BEL LIGHTING

SINCE 1991

Terms & conditions

Catalog edition 02/2025

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Prices valid from March 1, 2025 and cancels all previous price lists.
Prices ex works and without taxes (VAT, Recycling contribution,...).
BEL LIGHTING reserves all rights to alter all product price and data any time, without any notice.
The general BEL LIGHTING conditions of sale are always applicable.
Nothing in this catalog may be reproduced without permission in writing from the BEL LIGHTING company.

The design, production and assembling are all made 100% in the company.
We use solid and durable materials like stainless steel, aluminum, brass, copper and Belgian blue stone.

BEL LIGHTING is certified with a quality management system in conformance with ISO 14001-2015 & ISO 9001-2015

The ISO standard specifies requirements for organizations of any type to demonstrate the ability to consistently provide services and products that consistently meet client requirements and aim to enhance customer satisfaction through application and improvement of the quality management system.

The ISO 14001:2015 Specifies the requirements for an environmental management system that an organization can use to enhance its environmental performance.

The ISO 9001:2015 Quality Management System provides a framework for implementation, maintenance, and continual improvement of quality best practices.

Bel Lighting offers you the possibility to extend the initial legal guarantee of 2 years from most of our lights in adding 3 more years. You should get, in total, 5 years guarantee !
Most of our lights have also 15 years guarantee against perforation.

For use in an aggressive environment (near the sea,...), we recommend to use our stainless steel fixtures with an electro-polishing treatment, see info pages in our general catalog.

To have access to the service, fill in the document online in the 3 months after your purchase.

More informations on **www.bel-lighting.com/extended-warranty**

WHO WE ARE

EN

Since its foundation in 1991, BEL LIGHTING has maintained its status as an independent family company, with a workforce of over fifty employees currently based at our factory in Megara, Greece and headquarters in Saintes, Belgium.

As lighting creators specializing in outdoor lighting, we are dedicated to staying at the forefront of lighting technology. We are committed to understanding the unique needs of our global partners, and we design and produce innovative products that meet the specifications of our customers in both the private and public sectors.

Our technical department provides customized product support and assists architects and business partners with their projects.

We also enhance the quality of our products by acquiring recognized certifications that confirm our fixtures meet international standards. We also provide our partners with comprehensive information about our products, including photometric data accredited by a specialized laboratory to determine the performance of our lighting before implementation through various simulation programs.

We are committed to building our reputation on high quality, so we use only the finest materials for our products. Some of our products are made with natural materials (aluminum, brass, stainless steel, copper and Belgian stone) without coating, and are fully integrated into their natural environment.

The technical quality and our exceptional design are the key priorities of our work in the development and manufacture of our products, with proper use, installation and maintenance by a specialist guarantee operational safety.

This edition of our catalogue is more than an update of the full range of our lighting products; it is the result of the work of our research teams, design, technical contribution, production and marketing.

BEL LIGHTING, value added to the light!

Headquarters in Belgium

Factory in Greece

WHO WE ARE

NL

BEL LIGHTING gesticht in 1991 blijft tot op datum van vandaag nog steeds een onafhankelijk familiebedrijf met meer dan 50 werknemers actief in onze productie eenheid in Megara (Griekenland) en in onze hoofdzetel te Sint-Renelde (Belgie). Als producent van hoofdzakelijk kwalitatieve buitenverlichtingstoestellen volgen we steeds de nieuwe tendensen op vlak van technologie en zijn we altijd een luisterend oor voor wat onze verdelers wereldwijd specifiek nodig achten. Op deze manier blijven wij steeds nieuwe producten ontwikkelen die beantwoorden aan de vraag voor zowel privé als openbare domeinen.

Bovendien biedt onze technische dienst de mogelijkheid bepaalde producten “op maat“ te produceren en bieden we zo de mogelijkheid aan architecten en professionele verdelers om samen hun projecten te realiseren.

Wij verstrekken ook erkende certificaten van onze producten als bevestiging van de kwaliteit volgens de internationale normen. Bovendien bieden wij aan onze verdelers alle mogelijke informatie over onze producten aan alsook de fotometrische gegevens opgemaakt door een onafhankelijk laboratorium. Op deze manier kan de kwaliteit van onze producten vóór het in dienst nemen van het project in verschillende verlichtingssimulatieprogramma’s geïntegreerd worden.

Door het ontwerp, design en de productie in eigen beheer te hebben, hebben we besloten onze reputatie in het hogere gamma verder uit te bouwen. Dit is ook de reden dat we onze producten in edele materialen (aluminium, messing, inox en brons) en sommige in natuurlijke materialen (Belgische blauwe hardsteen) produceren. Dit zonder bescherming zodat ze zich volledig in hun natuurlijke omgeving integreren.

De technische kwaliteit en een goed design zijn onze belangrijkste eisen in de ontwikkeling en de productie van onze armaturen, maar enkel een juist gebruik , de installatie en het onderhoud door een specialist garandeert u een veilige omgeving.

Deze uitgave van onze cataloog is meer dan een upgrade van ons compleet gamma. Het is het resultaat van het werk van ons ontwikkeling, design, technisch, productie en marketingteam.

BEL LIGHTING, de meerwaarde aan het licht !

FR

Fondée en 1991, BEL LIGHTING reste à ce jour une société familiale, indépendante, avec plus d’une cinquantaine d’employés travaillant dans notre usine de Megara (Grèce) et au siège central de Saintes (Belgique). Créateur de luminaires spécialisé dans l’éclairage extérieur, nous suivons constamment les nouvelles évolutions en technologie de l’éclairage et nous sommes toujours à l’écoute des besoins spécifiques de nos partenaires du monde entier afin de créer et produire de nouveaux produits innovants qui viennent répondre aux exigences de nos clients pour le domaine privé ou public.

Parallèlement, notre département technique offre un support pour des produits « sur mesure » et nous venons en aide aux architectes et partenaires professionnels pour réaliser ensemble leurs projets.

Nous renforçons aussi nos produits avec des certifications reconnues, confirmant ainsi la qualité de nos luminaires selon les normes internationales. De même, nous mettons à la disposition de nos partenaires toutes les informations nécessaires sur nos produits, mais également les données photométriques accréditées par un laboratoire spécialisé afin d’établir la performance de nos éclairages avant leur mise en œuvre à travers divers programmes de simulation.

La création, le design et la production étant effectués en interne, nous avons fermement décidé de bâtir notre réputation dans le haut de gamme, c’est pourquoi nous utilisons toujours des matières premières nobles et certains produits sont aussi fabriqués dans des matières naturelles (aluminium, laiton, inox, cuivre et pierre bleue belge) sans protection de surface et qui s’intègrent totalement dans leur environnement naturel.

La qualité technique et un bon design sont les priorités essentielles de notre travail dans le développement et la fabrication de nos produits, mais seule une utilisation conforme, une installation et un entretien fait par un spécialiste garantissent la sécurité d’exploitation.

Cette édition de notre catalogue est, plus qu’une mise à jour de la gamme complète de nos luminaires, c’est le résultat du travail de nos équipes de recherche, design, contribution technique, production et marketing.

BEL LIGHTING, la valeur ajoutée à la lumière !

DE

Gegründet im Jahre 1991, BEL LIGHTING ist bis heute ein unabhängiges Familienunternehmen, mit mehr als fünfzig Angestellte, die sowohl in unserer Produktionsstätte Megara (Griechenland) als auch in unserem Hauptsitz, Saintes (Belgien) arbeiten. Als Hersteller von Leuchten, spezialisiert in Aussenleuchten, folgen wir kontinuierlich die technologischen Entwicklungen im Beleuchtungsbereich. Wir hören ständig auf die spezifischen Wünsche unserer internationalen Partner und entwerfen und produzieren neue Produkte, um den Ansprüchen unserer Kunden im privaten und im öffentlichen Bereich nachzukommen.

Gleichzeitig bietet unsere technische Abteilung Unterstützung für “massgeschneiderte” Produkte an und hilft Architekten und professionnelle Partner ihre Projekte gemeinsam durchzuführen.

Wir stärken unsere Produkte durch anerkannte Zertifikate, die somit die Qualität unserer Leuchten gemäss internationaler Normen, bestätigien. Für unsere Partner stellen wir nicht nur alle nötigen Informationen bezüglich unsere Produkte zur Verfügung, sondern ebenfalls photometrische Daten, akkreditiert durch ein spezialisiertes Labor, um vor Einsatz die Leistung unserer Leuchten durch diverse Simultationsprogramme zu bestimmen.

Da die Kreation, das Design und die Herstellung intern durchgeführt werden, haben wir fest beschlossen, unser Ansehen auf hochqualifizierte Produkte auszubauen. Aus diesem Grunde verwenden wir stets hochwertige Rohmaterialien. Einige Produkte werden aus natürlichen Rohmaterrialien hergestellt (Aluminium, Messing, Edelstahl, Kupfer und Belgischer Blaustein) ohne zusätzliche Schutzschichten, wodurch sie sich hervorragend in ihrer natürlichen Umgebung integrieren.

Die technische Qualität und ein herausragendes Design sind die wichtigsten Prioritäten unserer Arbeit in der Entwicklung und der Fertigung. Nur eine sachgerechte Verwendung, eine vom Fachmann sichergestelle Installation und Wartung, garantieren die Sicherheit der Benutzung.

Diese Ausgabe unseres Katalogs ist mehr als eine Aktualisierung unseres kompletten Beleuchtungssortiments, es ist das Ergebnis einer Team-Arbeit zwischen Forschung, Design, Technik, Produktion, und Marketing.

BEL LIGHTING, der zusätzliche Wert des Lichtes !

GR

Η εταιρεία BEL LIGHTING ιδρύθηκε το 1991, παραμένει μια ανεξάρτητη οικογενειακή επιχείρηση με περισσότερους από πενήντα εργαζόμενους στο εργοστάσιο παραγωγής μας στα Μέγαρα (Ελλάδα) και στο κέντρο διανομής μας στο Saintes (Βέλγιο). Σχεδιαστές βιομηχανικού σχεδιασμού ειδικεύονται στον σχεδιασμό εξειδικευμένων προϊόντων φωτισμού εξωτερικού χώρου, ακολουθώντας συνεχώς την νέα αναπτυσσόμενη τεχνολογία στον φωτισμό και πάντα δίνοντας βάρος στις ιδιαίτερες ανάγκες των συνεργατών μας σε όλο τον κόσμο. Δημιουργούμε και παράγουμε νέα εξειδικευμένα προϊόντα, τα οποία ανταποκρίνονται στις απαιτήσεις των πελατών μας, επαγγελματιών και ιδιωτών.

Παράλληλα το τεχνικό μας τμήμα παρέχει ολοκληρωμένη υποστήριξη σε αρχιτέκτονες και επαγγελματίες φωτισμού για τη δημιουργία «customized» προϊόντων και την ολοκλήρωση ιδιαίτερων έργων.

Ακόμη ενδυναμώνουμε την παραγωγή μας κατοχυρώνοντας αναγνωρισμένες πιστοποιήσεις, που επιβεβαιώνουν την ποιότητα κατασκευής μας με βάση τα διεθνή πρότυπα. Παρέχουμε στους συνεργάτες μας όλες τις απαιτούμενες πληροφορίες για τα προϊόντα μας, όπως επίσης και τα φωτομετρικά στοιχεία, που έχουμε στη διάθεσή μας από πιστοποιημένο εργαστήριο φωτομετρίας, ώστε να μπορούν μέσω των διαφόρων προγραμμάτων προσομοίωσης να διαπιστώσουν την απόδοσή των φωτιστικών μας πριν την εφαρμογή.

Ο σχεδιασμός, η δημιουργία και η παραγωγή του συνόλου των προϊόντων μας γίνεται εξολοκλήρου στην κάθετη μονάδα παραγωγής μας και για τον λόγο αυτό έχουμε αποφασίσει να στηρίξουμε το όνομά μας στην άριστη κατασκευαστικά ποιότητα. Τα προϊόντα μας είναι φτιαγμένα από φυσικά υλικά (μπρούτζο, φυσικό αλουμίνιο, ανοξείδωτο ατσάλι) χωρίς οποιαδήποτε επιπλέον επικάλυψη και απολύτως εναρμονισμένα με το φυσικό περιβάλλον.

Αυτή η έκδοση του καταλόγου μας είναι κάτι περισσότερο από μια εμπλουτισμένη παρουσίαση του συνόλου της γκάμας μας. Είναι το αποτέλεσμα του συνδυασμού της ποιοτικής και ομαδικής δουλειάς βελτιώνοντας τον σχεδιασμό, την κατασκευή, αλλά και την προώθηση των νέων υλικών μας.

BEL LIGHTING, the value added to the light !

FIND YOUR PRODUCT

EN

Discover all the possibilities offered by our website to find the perfect lighting fixture and access all the essential information. Use our advanced filters to refine your search and identify the product that meets your expectations in just a few clicks. Each product sheet contains detailed technical data that you can consult and download freely.
In addition to the technical sheets, our site allows you to download the complete catalog to browse our entire range, as well as precise datasheets to deepen your knowledge of our products. For your lighting projects, download the IES/LDT files to carry out realistic and precise simulations.
We also provide you with assembly instructions to guarantee efficient and hassle-free installation.
Finally, if you have an account, you will have direct access to the prices of our products, allowing you to plan and budget your projects with complete transparency.
Explore our site and enjoy quick and complete access to everything you need for your lighting projects.

NL

Ontdek alle mogelijkheden die onze website biedt om de perfecte verlichtingsarmatuur te vinden en toegang te krijgen tot alle essentiële informatie. Gebruik onze geavanceerde filters om uw zoekopdracht te verfijnen en het product te identificeren dat aan uw verwachtingen voldoet in slechts een paar klikken.
Elk productblad bevat gedetailleerde technische gegevens die u gratis kunt raadplegen en downloaden.
Naast de technische bladen kunt u op onze site de catalogus downloaden om ons volledige assortiment te bekijken, evenals nauwkeurige datasheets om meer te leren over onze producten. Download voor uw verlichtingsprojecten de IES/LDT-bestanden om realistische en nauwkeurige simulaties uit te voeren.
We bieden u ook montage-instructies om een efficiënte en probleemloze installatie te garanderen.
Tot slot, als u een account hebt aangemaakt, heeft u direct toegang tot de prijzen, zodat u uw projecten met volledige transparantie kunt plannen en budgetteren.
Ontdek onze website en geniet van snelle en volledige toegang tot alles wat u nodig hebt voor uw verlichtingsprojecten.

FR

Découvrez toutes les possibilités offertes par notre site internet pour accéder à l'ensemble des informations produits et trouver le luminaire qui correspond à votre projet.
La sélection par filtres vous permet d'affiner votre recherche et d'identifier le ou les produits qui répondent à vos attentes.
À tout moment, vous pouvez librement télécharger notre catalogue complet, les fiches techniques détaillées, référence par référence et les instructions de montage.
Pour vos projets d'éclairage, les fichiers IES/LDT vous permettent de réaliser des simulations réalistes et précises.
Si vous disposez d'un compte, vous aurez aussi un accès direct aux prix de nos produits, vous permettant ainsi de planifier et budgétiser vos projets en toute transparence.
Explorez notre site internet et profitez d'un accès rapide et complet à tout ce dont vous avez besoin pour vos projets d'éclairage.

DE

Entdecken Sie alle Möglichkeiten, die unsere Website bietet, um die perfekte Leuchte zu finden und auf alle wichtigen Informationen zuzugreifen. Verwenden Sie unsere erweiterten Filter, um Ihre Suche zu verfeinern und mit nur wenigen Klicks das Produkt zu finden, das Ihren Erwartungen entspricht. Jedes Produktblatt enthält detaillierte technische Daten, die Sie kostenlos einsehen und herunterladen können.
Neben den technischen Datenblättern können Sie auf unserer Website den vollständigen Katalog herunterladen, um unser gesamtes Sortiment zu durchsuchen, sowie genaue Datenblätter, um Ihr Wissen über unsere Produkte zu vertiefen. Laden Sie für Ihre Beleuchtungsprojekte die IES/LDT-Dateien herunter, um realistische und präzise Simulationen durchzuführen.
Wir stellen Ihnen auch Montageanleitungen zur Verfügung, um eine effiziente und problemlose Installation zu gewährleisten. Und schließlich haben Sie mit einem Konto direkten Zugriff auf die Preise unserer Produkte, sodass Sie Ihre Projekte mit völliger Transparenz planen und budgetieren können.
Erkunden Sie unsere Website und genießen Sie schnellen und vollständigen Zugriff auf alles, was Sie für Ihre Beleuchtungsprojekte benötigen.

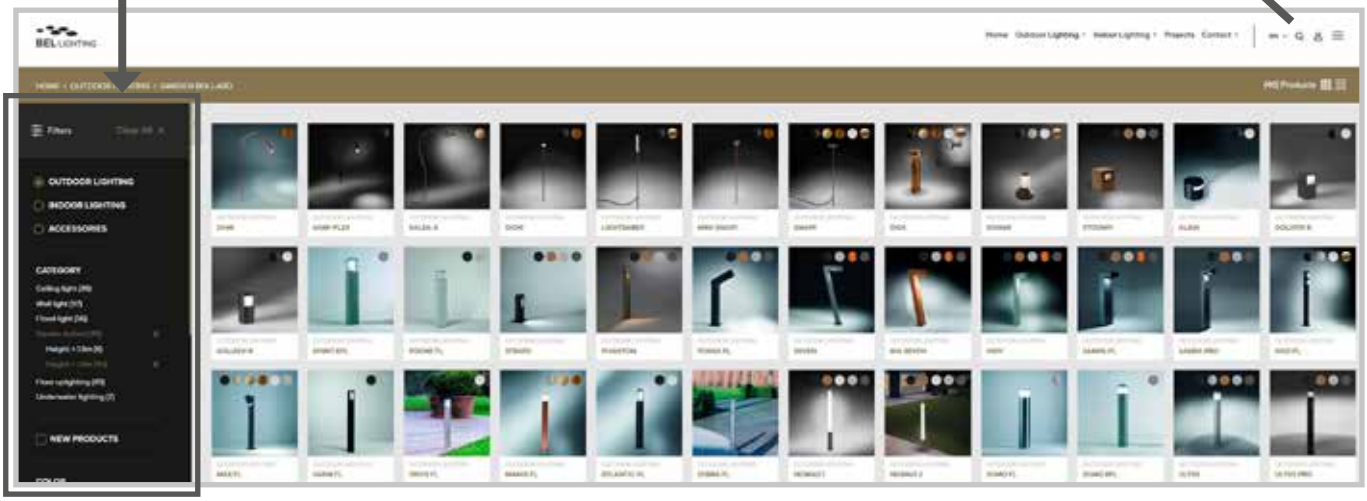
GR

Ανακαλύψτε όλες τις δυνατότητες που προσφέρει η ιστοσελίδα μας για να βρείτε το τέλειο φωτιστικό και να αποκτήσετε πρόσβαση σε όλες τις βασικές πληροφορίες. Χρησιμοποιήστε τα προηγμένα φίλτρα μας για να βελτιώσετε την αναζήτησή σας και να εντοπίσετε το προϊόν που ανταποκρίνεται στις προσδοκίες σας με λίγα μόνο κλικ. Κάθε φύλλο προϊόντος περιέχει λεπτομερή τεχνικά δεδομένα που μπορείτε να συμβουλευτείτε και να τα κατεβάσετε ελεύθερα.
Εκτός από τα τεχνικά φύλλα, ο ιστότοπός μας σάς επιτρέπει να κατεβάσετε τον πλήρη κατάλογο για να περιηγηθείτε σε ολόκληρη τη γκάμα μας, καθώς και ακριβή φύλλα δεδομένων για να εμβαθύνετε τις γνώσεις σας για τα προϊόντα μας. Για τα έργα φωτισμού σας, κατεβάστε τα αρχεία IES/LDT για να πραγματοποιήσετε ρεαλιστικές και ακριβείς προσομοιώσεις.
Σας παρέχουμε επίσης οδηγίες εγκατάστασης για να εγγυηθούμε αποτελεσματική και απρόσκοπτη εγκατάσταση.
Τέλος, εάν έχετε λογαριασμό, θα έχετε άμεση πρόσβαση στις τιμές των προϊόντων μας, επιτρέποντάς σας να σχεδιάζετε και να προϋπολογίζετε τα έργα σας με απόλυτη διαφάνεια.
Εξερευνήστε τον ιστότοπό μας και απολαύστε γρήγορη και πλήρη πρόσβαση σε όλα όσα χρειάζεστε για τα έργα φωτισμού σας.

Filter area

- by new products only
- by category
- by type of luminaire
- by type of lamps
- only for led: by voltage/current, Kelvin, Lumens, beam angle
- by color
- by IP degree
- .....

Search
by name
by code



Product detail page

Filter area to find the exact product code to access downloads of:

- Datasheet
- Instruction to use
- Photometrical data LDT / IES
- General informations
- ...

Additional filter for recessed floor lighting

- by recessed diameter
- by light repartition

Example of datasheet

HAAS

VF 2
BEL LIGHTING

BE SIGHTING

VF 2

ST 10

250B

STEP INTO THE LIGHT

EXTERIOR - CEILING - RECESSED

xxxmA LED
Constant current

Tini 1 30

Tini 2 30

Tini 3 30

Faki R 32

Faki K 32

Tekno 34

Poco S 36

Poco T 36

Paso 38

ifi S 40

ifi M 42

Beto mA 48

220-240V LED

Circo 44

Beto 230V 49

220-240V GU10

Banio 46

Beto GU 50

EXTERIOR - WALL - RECESSED

xxxmA LED
Constant current

Krypto 1 82

Krypto 2 84

Krypto 3 86

Yorka A 88

Yorka C 88

Yorka D 88

Yorka E 88

Yorka B 89

Yorka F 89

Hydro 90

Faki R 80

Faki K 80

ilva 92

Disco 98

Quadris 94

Ziko 96

EXTERIOR - CEILING - SURFACE

xxxmA LED
Constant current

Micro TR 52

Koba TR 54

220-240V LED

Micro TR 52

Koba TR 54

Jaka MT 56

Cylo TR 62

Paco 66

Soled 68

Welex C1 70

Welex C2 72

Mini Fanari P 74

Fanari P 76

220-240V GU10/G9

Jaka GT 58

Max TR 60

Cube TR 64

Paco 66

EXTERIOR - WALL - RECESSED

220-240V LED

Krypto 2 84

Krypto 3 86

NEW PRODUCT

HEAVILY MODIFIED PRODUCT

EXTERIOR - WALL - SURFACE

xxxmA LED
Constant current

Koba 1 106

Koba 2 107

Globe S 156

Mini Fanari 168

220-240V LED

Doombo 100

Stepan 102

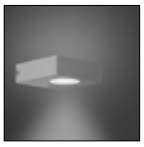
Fly 104

Koba 1 106

Koba 2 107

Cookie 1 108

Cookie 2 109


Fanfan 1 110

Fanfan 2 111

Moon 1 112

Moon 2 112

Okio 1 114

Okio 2 115

Keyko 122

Jaka S1 116

Jaka S2 116

Jaka S4 116

Jaka M1 118

Jaka M2 118

Jaka M4 118

Sampa D 124

Torga D 126

Sampa D-Pro 128

Omega 1 130

Wally S 132

Wally XL 134

Mini astro 1 136

Mini astro 2 137

Astro 1 138

Astro 2 140

Recto 2 140

Disk 150

Strouggi 166

Mini Fanari 168

Fanari 170

Fly D 152

Cylo 1 160

Cylo 2 161

Cylo K1 162

Cylo K2 163

Cylo G1 164

Cylo G2 165

LightSaber D 154

Globe S 156

Globe M 158

Cobus A 190

Cobus B 190

Cobus C 190

Cobus D 190

Lotus A 196

Lotus B 196

Lotus C 196

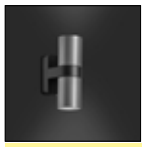
Lotus D 198

Lotus E 198

EXTERIOR - WALL - SURFACE

220-240V GU10

Jaka GU1 120


Jaka GU2 120

Jaka GU4 120

Max 146

Teka 148

Cube 1L 142

Cube Bis 142

Cube 2L 144

220-240V G9

Doombo 100

Stepan 102

Manix G 174

Zebra G 176

Atlantic G 178

Omega 1 130

Omega 2 130

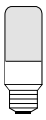
Cobus A 190

Cobus B 190

Cobus C 190

Cobus D 190

220-240V E27



Onyx D 172

Manix D 174

Zebra D 176

Atlantic D 178

Sumo D 180

Sumo RD 181

Spirit D 183

Spirit RD 182

Spirit KD 182

Poeme D 184

Cambridge A 186

Cambridge B 186

Marina O 188

Marina R 189

Octus O 194

Octus X 194

Lotus A 196

Lotus B 196

Lotus C 196

Lotus D 198

Lotus E 198

Mani R 192

NEW PRODUCT

HEAVILY MODIFIED PRODUCT

EXTERIOR - FLOODLIGHT

xxxmA LED
Constant current

Swing 202

Kozi S 204

Kozi S 204

Kozi S 204

Lena Pro S-A 214

Lena Pro M-A 218

Saturn HPL 250

Lena Pro S-B 216

Lena Pro S-B 216

Lena Pro S-B 216

Lena Pro S-B 216

Lena Pro M-B 220

Lena Pro M-B 220

Lena Pro M-B 220

Sami 208

Sami-flex 212

Kozi S 204

Lena Pro S-B 216

Lena Pro M-B 220

Zax-S 254

Saturn HPL 250

Special product

Line-Up 234

Line-Up 234

EXTERIOR - FLOODLIGHT

220-240V LED

Maxima-50 226

Maxima-65 228

Maxima-100 230

Salsa 256

Salsa 256

Saturn Led 248

Saturn Led 248

Saturn HPL 252

Welex C1 236

Welex C2 238

Welex F1 240

Welex F2 242

Kozi FL 206

Maxima-50 226

Maxima-50 226

Maxima-65 228

Maxima-65 228

Maxima-100 230

Salsa-S 258

220-240V GU10

Cylinder-S 244

Cylinder-S 244

Lena GU-A 222

Lena GU-B 224

Lena-GU-B 224

Lena-GU-B 224

Maxima-GU 232

Cylinder-S 244

Max FL 246

Lena GU-B 224

Lena GU-B 224

NEW PRODUCT

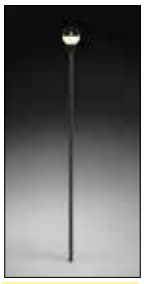
HEAVILY MODIFIED PRODUCT

EXTERIOR - GARDEN BOLLARD < 1,5M

xxxmA LED
Constant current

Sami 262

Sami-flex 266


Dion 270

Mini Swapi 272

LightSaber 274

LightSaber 274

Sonar 280

220-240V LED

Salsa-S 268

Swapi 276

Disk 278

Stoumpi 282

Stoumpi 282

Alina 284

Strato 292

Phantom 294

Torga FL 296

Seven 300

Big Seven 302

Indy 304

Sampa FL 308

Sampa Pro 310

Kozi FL 316

Nomad 1 330

Nomad 2 332

Ulyss FL 334

Ulyss Pro 336

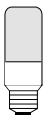
220-240V G9 / GU10

Alina 284

Max FL 318

EXTERIOR - GARDEN BOLLARD < 1,5M

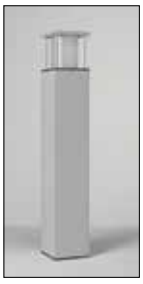
220-240V E27

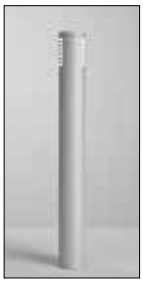


Goliath R 286

Goliath K 286

Spirit K 288


Poeme FL 290


Sarm FL 320

Onyx FL 322

Manix FL 324

Zebra FL 326

Atlantic FL 328

Cambridge FL 350

Sumo FL 340

Sumo RFL 342

Spirit FL 344

Spirit RFL 346

Sabri FL 348

EXTERIOR - GARDEN BOLLARD > 1,5M

220-240V LED

Torga L 354

Artist 356

Sampa L1 358

Sampa L2 360

Elyo FL 362

Nomad 1 364

NEW PRODUCT

HEAVILY MODIFIED PRODUCT

EXTERIOR - FLOOR LIGHTING

Floor uplighting - surface

xxxmA LED
Constant current

Micro TR 370

Focus 374

Target 376

220-240V LED

Micro TR 370

220-240V GU10

MaxTR 372

Floor - ground surface illumination - surface

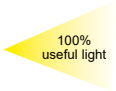
xxxmA LED
Constant current

Pharos V 390

Pharos V 390

Pharos H 390

Pharos X 390



EXTERIOR - FLOOR LIGHTING

Floor - ground surface illumination - recessed

xxxmA LED
Constant current

3,2W

∅ min: 32mm

Zona V 378

Zona H 380

Zona X 380

Tango R-V 382

Tango R-H 382

Tango R-X 382

Tango K-V 384

Tango K-H 384

Tango K-X 384

from 11W to 17W

∅ min: 78mm

Bolas V 386

Bolas V 386

Bolas H 386

Bolas X 386

220-240V LED

from 1,1W to 6,4W

∅ min: 65mm

Pharos V 230V 392

Pharos V 230V 392

Pharos H 230V 392

Pharos X 230V 392

100% useful light

from 6W to 10W

∅ min: 78mm

Bolas V 230V 388

Bolas V 230V 388

Bolas H 230V 388

Bolas X 230V 388

NEW PRODUCT

HEAVILY MODIFIED PRODUCT

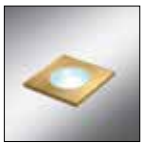
EXTERIOR - FLOOR LIGHTING

Floor uplighting - recessed

xxxmA
LED
Constant current

DIFFUSE

from 1,1W to 3,2W — ∅ min: 40mm


Genesis 394

Genesis 394

DIRECTIONAL

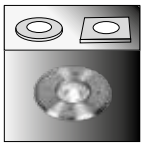
from 1,1W to 3,2W — ∅ min: 32mm

Zona R 396

Zona R Dark 398

Zona S 400

from 1,1W to 6,5W — ∅ min: 65mm

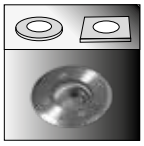

Zaxor Mini 412

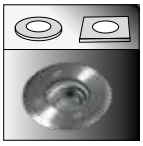
from 6W to 9,5W — ∅ min: 68mm

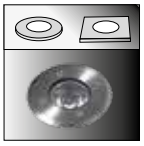
Perla-R Dark 408

Perla-S Dark 410

from 3,2W to 24W — ∅ min: 78mm to 100mm


Bolas HPL 418


Zaxor Led 426


Zaxor 10° 430

ASYMMETRIC

from 1,1W to 3,2W — ∅ min: 45mm

Xeno Y 406

DIRECTIONAL ADJUSTABLE

from 1,1W to 3,2W — ∅ min: 45mm

Xeno R 402

Xeno S 404

from 3,2W to 24W — ∅ min: 100mm to 150mm

Zaxor Led-O 432

Bolas O-HPL 438

NEW PRODUCT

HEAVILY MODIFIED PRODUCT

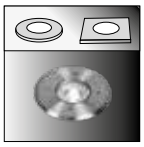
EXTERIOR - FLOOR LIGHTING

Floor uplighting - recessed

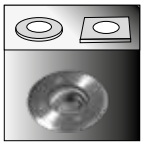
220-240V LED

DIRECTIONAL

from 1,1W to 3,2W — ∅ min: 65mm


Zaxor Mini 414

from 3,2W to 17W — ∅ min: 78mm to 150mm


Bolas Led 416

Zaxor Led 428

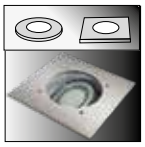
Zaxor HPL 436

DIRECTIONAL ADJUSTABLE

from 3,2W to 17W — ∅ min: 100mm to 200mm

Zaxor Led-O 434

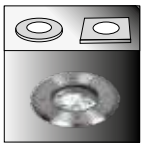
Bolas O-HPL 438


Zaxor O-HPL 440

220-240V GU10

DIRECTIONAL

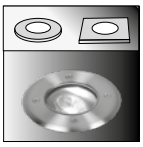
∅ min: 78mm to 100mm


Bolas 420

Zaxor GZ 422

DIRECTIONAL ADJUSTABLE

∅ min: 100mm

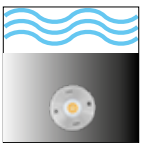

Zaxor GZO 424

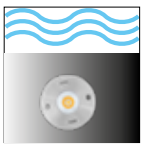
EXTERIOR - UNDERWATER

Underwater

xxxmA LED
Constant current

DIRECTIONAL

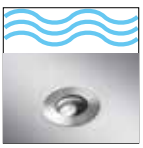

Nautic-S 444


Nautic-M 446

Zona-F 448

Bolas-F 452

DIRECTIONAL ADJUSTABLE


Xeno-F 450

Kozi-F 454

Saturn-F 456

THE VALUE ADDED TO THE LIGHT

Exterior

Ceiling light — Recessed - Surfaced mounted — 28

Wall light — Recessed - Surfaced mounted — 78

Flood light — Ceiling - Wall - Floor — 124

Garden bollard < 1,5m — 260

Garden bollard > 1,5m — 352

Floor lighting — 366

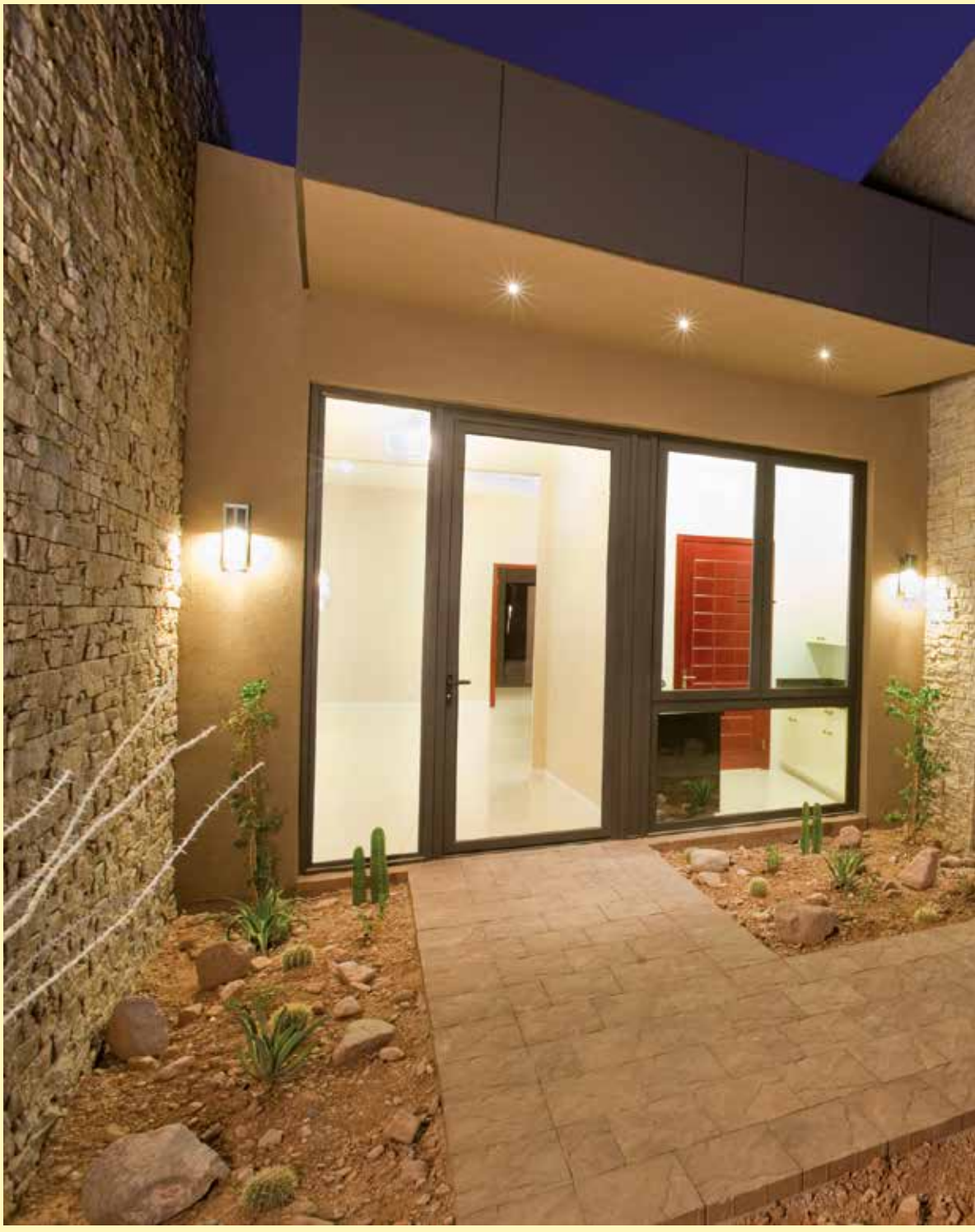
- Floor uplighting - surface — 370
- Floor - ground surface illumination — 378
- Floor uplighting - recessed — 394

Underwater — 442

Accessories — 458

- Accessories for flood light — 460
- Accessories for wall light — 467
- Accessories for garden light — 468
- Accessories for recessed lighting — Wall-Floor — 474
- Waterproof connection & other — 476
- Led power supply — 480

General Information — 486



Circo

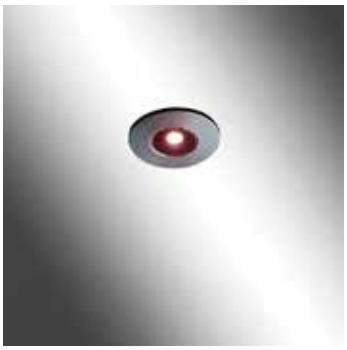
Exterior

Ceiling light

∅ min: 23mm

min: 35mm

350mA
1,1W



Tini 1

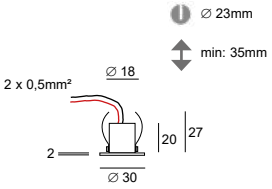
IP65

350mA

IK06

code: 401. XXX . XX
led color

DIMMABLE



LED	
271	1,1W 2700K - 350mA
301	1,1W 3000K - 350mA

COLOR	
02A	Anodized black
32	Anodized aluminum
34	Anodized matt gold

4000K = on request

Tini 2

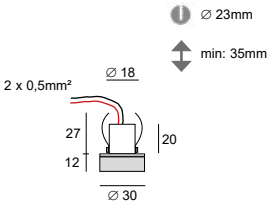
IP65

350mA

IK06

code: 402. XXX . XX
led color

DIMMABLE



LED	
271	1,1W 2700K - 350mA
301	1,1W 3000K - 350mA

COLOR	
32	Anodized aluminum

4000K = on request

Tini 3

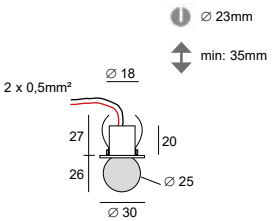
IP65

350mA

IK06

code: 403. XXX . XX
led color

DIMMABLE



LED	
271	1,1W 2700K - 350mA
301	1,1W 3000K - 350mA

COLOR	
02A	Anodized black
32	Anodized aluminum
34	Anodized matt gold

4000K = on request

Tini

Led ceiling light

max. efficacity 123lm/W

Typical luminous flux (lm)	
	1,1W
2700 K	115
3000 K	125
4000 K	135

DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP65 - IK06

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Recessed box - Pop 13 ref: X013
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other anodized color
Other led color: 4000K
Other dimensions (customized)
Other cable length (customized)

∅ min: 32mm

min: 30mm

350mA
1,1W - 3,2W

Faki R

Faki K

IP65

350mA

IK06

DESCRIPTION

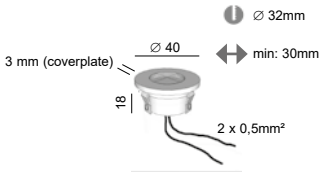
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK06

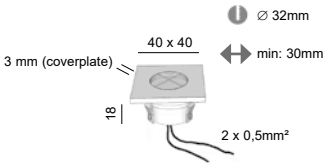
ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other anodized color
Other material: brass / copper / stainless steel
Other led color: 3000K / 5000K





code: 8082R. XXX . XX
led color

DIMMABLE

code: 8082K. XXX . XX
led color

DIMMABLE

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

LED

D10 1,1W - 4000K - 70°
D30 3,2W - 4000K - 70°
W10 1,1W - 2700K - 70°
W30 3,2W - 2700K - 70°

3000K / 5000K = on request

COLOR

00 Natural brushed aluminum
01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
39 Grey
48 Dark grey (RAL 7016 structured)

Faki

Led ceiling light

∅ min: 32mm

min: 30mm

350mA
1,1W - 3,2W

Tekno

IP65

350mA

IK09

DESCRIPTION

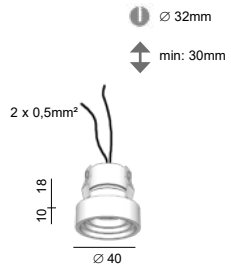
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK09

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other anodized color
Other material: brass / copper / stainless steel
Other led color: 3000K / 5000K



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8083R. XXX . XX
led color

DIMMABLE

LED

D10	1,1W - 4000K - 70°
D30	3,2W - 4000K - 70°
W10	1,1W - 2700K - 70°
W30	3,2W - 2700K - 70°

3000K / 5000K = on request

COLOR

00	Natural brushed aluminum
01	White
39	Grey
48	Dark grey (RAL 7016 structured)

Tekno

Led ceiling light

∅ min: 35mm

min: 55mm

350mA
1,1W - 3,2W

Poco S

IP65

350mA

IK06

code: 405. XXX . XX
led color

DIMMABLE

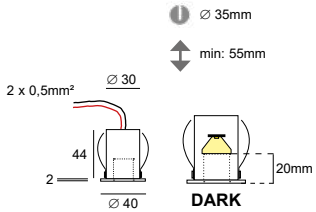
LED

271	1,1W 20° 2700K
272	3,2W 20° 2700K
301	1,1W 20° 3000K
302	3,2W 20° 3000K

4000K = on request

COLOR

01	White
02A	Anodized black
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy



Poco T

IP65

350mA

IK06

code: 404. XXX . XX
led color

DIMMABLE

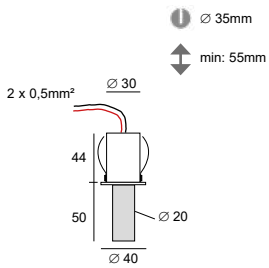
LED

272	3,2W 2700K
302	3,2W 3000K

COLOR

01	White
02A	Anodized black
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy

4000K = on request
1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request



Poco

Led ceiling light

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Other dimensions (customized)
Other cable length (customized)

∅ min: 45mm

min: 55mm

350mA
4,2W

Paso

IP65

350mA

IK06

DESCRIPTION

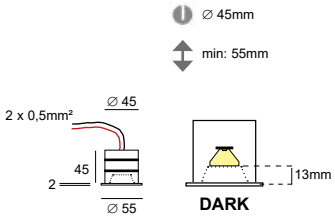
Body made in solid aluminum
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Pop 11 ref: X015
Anti-glare honeycomb - Louver ref: X060.029.3
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 4000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



max. efficacity 87lm/W

Typical luminous flux (lm)	200mA 2,3W	350mA 4,2W
2700 K	190	310
3000 K	200	325
4000 K	200	325

code: 345. XX XXX . XX
led | power | color

DIMMABLE

LED

27 2700K
30 3000K

POWER

410 4,2W - 10°
440 4,2W - 40°

COLOR

01 White
02A Anodized black

4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Paso

Led ceiling light

∅ min: 45mm

min: 65mm

350mA
4,2W

ifi S

IP65

350mA

IK06

DESCRIPTION

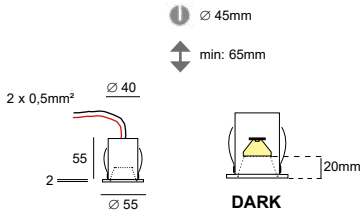
Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Pop 11 ref: X015
Anti-glare honeycomb - Louver ref: X060.029.3
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other led color: 4000K / 5000K



max. efficacity 87lm/W

Typical luminous flux (lm)	200mA 2,3W	350mA 4,2W
2700 K	190	310
3000 K	200	325
4000 K	200	325

code: 406. XX XXX . XX

DIMMABLE

led | power | color

LED

27 2700K
30 3000K

4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

POWER

410 4,2W - 10°
440 4,2W - 40°

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

ifi S

Led ceiling light

∅ min: 68mm

min: 85mm

350mA - 500mA

6W - 9,5W

ifi M

IP65

500mA

IK06

DESCRIPTION

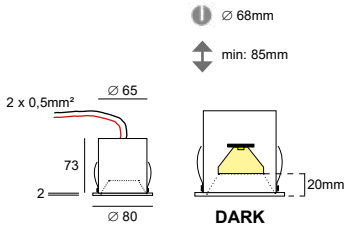
Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Anti-glare honeycomb - Louver ref: X060.050.3
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other led color: 4000K / 5000K
Led 4W or 6W 230V 2700K / 3000K / 4000K



max. efficacity 141lm/W

Typical luminous flux (lm)	350mA 6W	500mA 9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 407. XX XXX . XX

- XX: led
- XXX: power
- XX: color

DIMMABLE

LED

27	2700K
30	3000K

POWER

910	9,5W - 10°
925	9,5W - 25°
940	9,5W - 40°

COLOR

01	White
02A	Anodized black
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy

4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request
4W or 6W 230V 2700K / 3000K / 4000K = on request

ifi M

Led ceiling light

∅ min: 70mm

min: 70mm

350mA & 230V
3,2W - 11W

Circo

0,5

IP65

IK07

0,20

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 5mm in anodized aluminum or stainless steel
Degree of protection IP65 - IK07
Safety clear plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

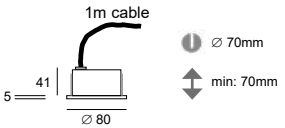
ACCESSORIES

Led driver 350mA CC (not for 230V model)
Recessed box - Pop 10a/10b ref: X054A / X054B
IP68 connection - Connex 2 / 3 / 4 / 6
Anti-glare honeycomb - Louver ref: X060.050.3

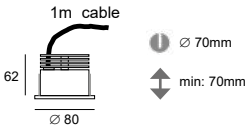
ON REQUEST

Other cover plate dimensions (customized)
Other anodized color
Sandblasted plexiglass
Other led color: 4000K / 5000K
Other beam angle: 15° / 50°

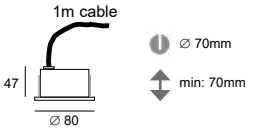
3,2W & 6W
350mA



11W
350mA



6W
220-240V



max. efficacity 142lm/W

Typical luminous flux (lm)					
	220-240V		350mA		
	4W	6W	3,2W	6W	11W
2700 K	315	460	355	725	1350
3000 K	320	470	370	760	1400
4000 K	340	500	395	805	1480
5000 K			410	845	1540

code: 1165. XX XX . XX DIMMABLE

led · power · color

LED

27	2700K
30	3000K

POWER

12	3,2W 350mA - 36°
22	6W 350mA - 36°
32	11W 350mA - 36°
62	6W 230V - 36°

COLOR

02A	Anodized black
04	Brushed stainless steel
32	Anodized aluminum

4000K / 5000K = on request
Beam angle 15° / 50° = on request
4W 230V = on request

Circo

Led ceiling light

∅ min: 68mm

min: 75mm

12V
GU5,3

Banio

IP65

12V

IK06

DESCRIPTION

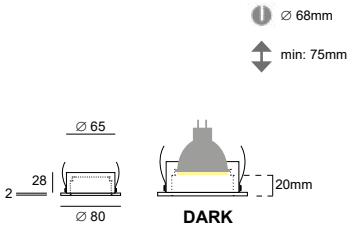
Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Other anodized color
Painted in RAL colors
Other dimensions (customized)



code: 413. GX . XX
color

DIMMABLE

BULB

GX GU5,3 LED 12V

COLOR

02A Anodized black
32 Anodized aluminum
34 Anodized matt gold
36 Anodized burgundy

Banio

Led ceiling light

∅ min: 75mm

min: 85mm

350mA & 230V
3,2W - 11W

Beto mA

IP65

350mA

IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP65 - IK06

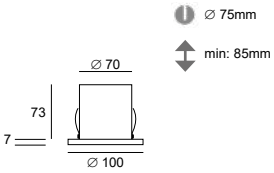
ACCESSORIES

Recessed box - Standard box R50 ref: SB03
Anti-glare honeycomb - Louver ref: X060.050.3
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 4000K / 5000K
Other dimensions (customized)
Sandblasted plexiglass

Compatible for use with standard concrete recessed box R50



max. efficacity 141lm/W

Typical luminous flux (lm)			
	3,2W	6W	11W
2700 K	355	725	1350
3000 K	370	760	1400
4000 K	395	805	1480
5000 K	410	845	1540

code: 410. XX XXX . XX
led · power · color

DIMMABLE

LED	
27	2700K
30	3000K

POWER	
23	3,2W - 50° - 350mA
33	6W - 50° - 350mA
43	11W - 50° - 350mA

COLOR	
01	White
02A	Anodized black
32	Anodized aluminum
34	Anodized matt gold

4000K / 5000K = on request
Beam angle 15° / 50° = on request

Beto

Led ceiling light

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

ACCESSORIES

Recessed box - Standard box R50 ref: SB03
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 4 ref: X083

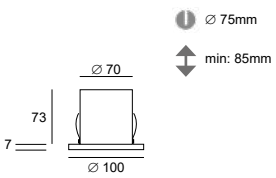
ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 4000K
Other dimensions (customized)
Sandblasted plexiglass

IP65
230V
IK06

Beto 230V

Compatible for use with standard concrete recessed box R50



max. efficacity 102lm/W

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

code: 411. XX XXX . XX
led · power · color

DIMMABLE TRIAC

LED

27 2700K
30 3000K

POWER

63 6W - 50° - 230V
73 10W - 50° - 230V

COLOR

01 White
02A Anodized black
32 Anodized aluminum
34 Anodized matt gold

4000K = on request
Beam angle 15° / 50° = on request
4W 230V = on request

∅ min: 75mm

min: 85mm

230V
GU10

Beto GU

0,5

IP65

230V

IK06

0,35

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK06

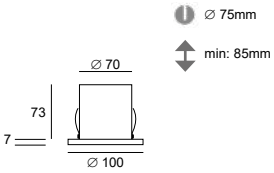
ACCESSORIES

Recessed box - Standard box R50 ref: SB03
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Other anodized color
Painted in RAL colors
Other dimensions (customized)
Sandblasted plexiglass

Compatible for use with standard concrete recessed box R50



code: 412. GU . XX
color

DIMMABLE

BULB

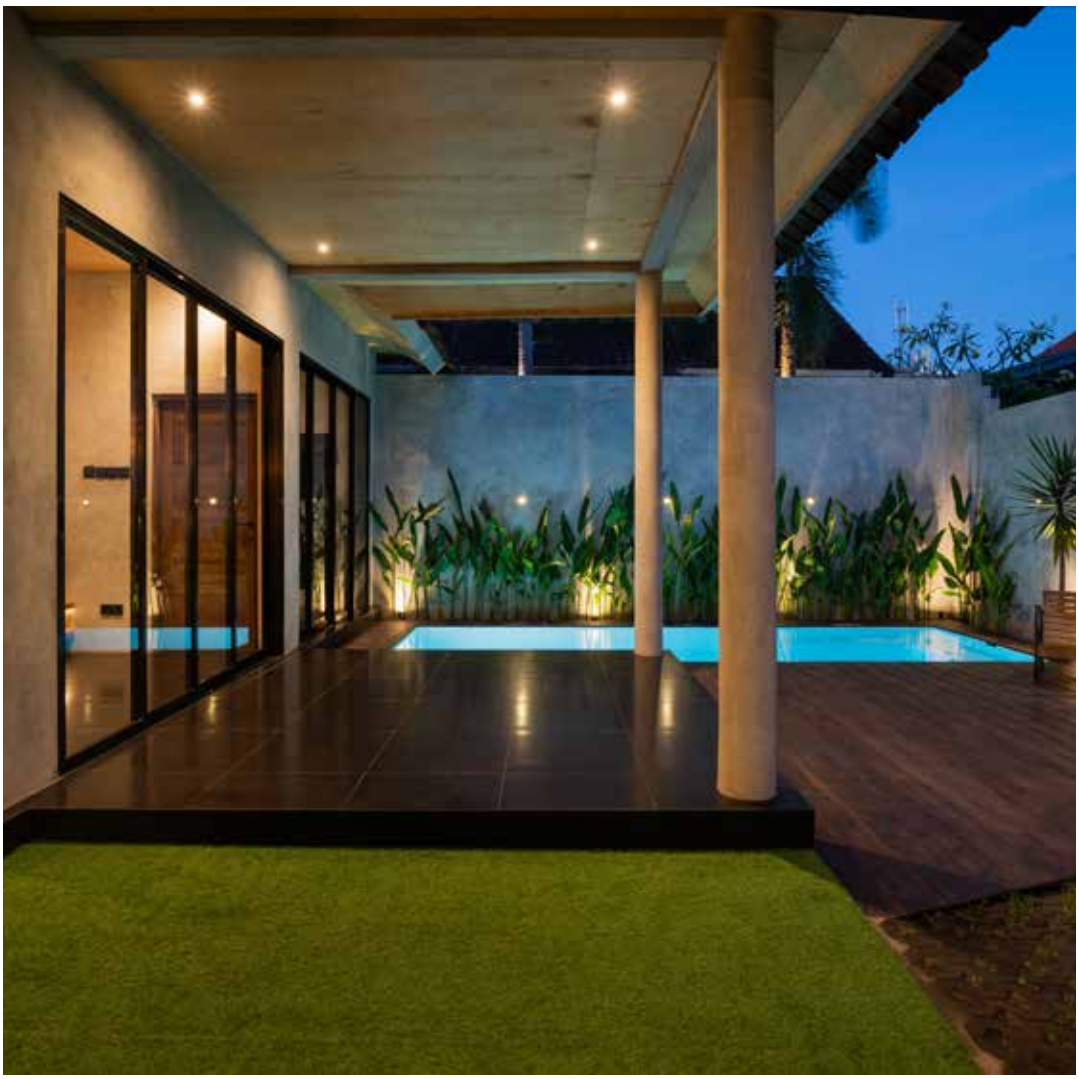
GU GU10 LED (max. height 60mm)

COLOR

01 White
02A Anodized black
32 Anodized aluminum
34 Anodized matt gold

Beto GU

Led ceiling light



350mA & 230V
3,2W - 4W

Micro TR

0,5

IP65

IK09

0,40

CE

DESCRIPTION

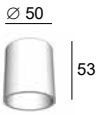
Body made in solid aluminum or stainless steel
Screws in stainless steel
Degree of protection IP65 - IK09
Safety plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

ACCESSORIES

Led driver 350mA CC (not for 230V model)
Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Other material: brass / copper / ...
Only for led 3,2W 350mA : 3000K / 5000K
Only for led 4W 230V : 3000K / 4000K



max. efficacity 128lm/W

Typical luminous flux (lm)		
	4W	3,2W
2700 K	315	355
3000 K	320	370
4000 K	340	395
5000 K		410

code: 1107. XXX . XX
led color

DIMMABLE

LED

D32 3,2W 350mA - 4000K - 70°
W03 4W 230V - 2700K - 70°
W32 3,2W 350mA - 2700K - 70°

COLOR

01 White
02 Black
04 Brushed stainless steel
32 Anodized aluminum

1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request
3,2W 350mA 3000K / 5000K = on request
4W 230V 3000K / 4000K = on request

Micro TR

Led ceiling light

350mA & 230V
3,2W - 4W

Koba TR

IP65
IK09

DESCRIPTION

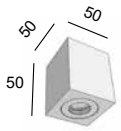
Body made in solid aluminum or stainless steel
Screws in stainless steel
Degree of protection IP65 - IK09
Safety plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

ACCESSORIES

Led driver 350mA CC (not for 230V model)
Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Other material: brass / copper / ...
Only for led 3,2W 350mA : 3000K / 5000K
Only for led 4W 230V : 3000K / 4000K



max. efficacity 128lm/W

Typical luminous flux (lm)		
	4W	3,2W
2700 K	315	355
3000 K	320	370
4000 K	340	395
5000 K		410

code: 8047. XXX . XX DIMMABLE
led color

LED

D32	3,2W 350mA - 4000K - 70°
W03	4W 230V - 2700K - 70°
W32	3,2W 350mA - 2700K - 70°

COLOR

01	White
02	Black
32	Anodized aluminum
39	Grey
48	Dark Grey (RAL 7016 structured)

1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request
3,2W 350mA 3000K / 5000K = on request
4W 230V 3000K / 4000K = on request

Koba TR

Led ceiling light

also available as wall lamp

230V
4W - 6W

Jaka MT

IP65

230V

IK07

DESCRIPTION

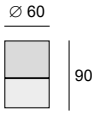
Body made in solid anodized aluminum
Standard = two color (always black base)
Screws in stainless steel
Safety clear plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Another anodized color combination
Painted in RAL colors
Other dimensions (customized)
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 379. XX XXX . XX
led · power · color

DIMMABLE TRIAC

LED

27	2700K
30	3000K

POWER

115	4W - 15°
150	4W - 50°
215	6W - 15°
250	6W - 50°

COLOR

02A	Anodized black / black
32	Anodized black / aluminum
33	Anodized black / bronze
34	Anodized black / matt gold
35	Anodized black / green
36	Anodized black / burgundy

4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Jaka MT

Led ceiling light

also available as wall lamp

230V
GU10

Jaka GT

IP65

230V

IK07

DESCRIPTION

Body made in solid anodized aluminum
Standard = two color (always black base)
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Another anodized color combination
Painted in RAL colors
Other dimensions (customized)

code: 389. GU . XX
color

DIMMABLE

BULB

GU GU10 LED (max. height 65mm)

COLOR

02A Anodized black / black
32 Anodized black / aluminum
33 Anodized black / bronze
34 Anodized black / matt gold
35 Anodized black / green
36 Anodized black / burgundy

Jaka GT

Led ceiling light

also available as wall lamp

other dimensions = on request

230V
GU10

Max TR

IP65

230V

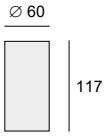
IK09

DESCRIPTION

Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Degree of protection IP65 - IK09
Safety clear plexiglass

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)



code: 756. GU . XX
color

DIMMABLE

BULB

GU GU10 LED (max. height 58mm)

COLOR

00 Natural brushed aluminum
02 Black
04 Brushed stainless steel
07 Brushed brass
21 Brushed copper
39 Grey

Max TR

Led ceiling light

Photographie: Rizou Konstandinou

230V
6W

Cylo TR

IP65

230V

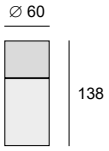
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

code: 390. XXX . XX
led
color

DIMMABLE TRIAC

LED

272 6W 230V - 2700K
302 6W 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4000K = on request
4W 230V 2700K / 3000K / 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Cylo TR

Led ceiling light

also available as wall lamp

230V
GU10

Cube TR

IP65

230V

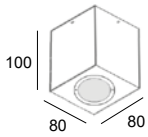
IK04

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK04
Safety clear glass

ON REQUEST

Other anodized color
IK09 with clear or sandblasted safety plexiglass



code: 906.GU.XX
color

DIMMABLE

BULB

GU GU10 LED (max. height 52mm)

COLOR

02A Anodized black
32 Anodized aluminum

Cube TR

Led ceiling light

also available as wall lamp

230V
G9 & Led 6W

Paco

IP65
230V
IK07

DESCRIPTION

Body made in profile aluminum or stainless steel
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other anodized color
Other material: brass / copper / ...
Other led color: 2700K / 4000K

max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 909SA. XX . XX
led bulb
color

DIMMABLE

LED / BULB

G9 G9 LED (max. diameter 32mm / height 65mm)
W6 Led 6W 230V - 3000K

Led 6W 230V 2700K / 4000K = on request
Led 4W 230V = on request

COLOR

02A Anodized black
04 Brushed stainless steel
32 Anodized aluminum

Paco

Led ceiling light

230V
6W - 10W

Soled

0,5

IP65

230V

IK07

0,60

DESCRIPTION

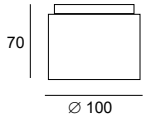
Body made in profile aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.082.3

ON REQUEST

Other RAL colors
Other anodized color
Sandblasted plexiglass
Other led color: 2700K / 4000K
Other beam angle: 50°



max. efficacity 102lm/W

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

code: 8090. XX X . XX
led °angle color

DIMMABLE TRIAC

LED

W2 6W - 3000K
W3 10W - 3000K

ANGLE

1 Lens 15°
2 Lens 36°

COLOR

01 White
02 Black
32 Anodized aluminum

Led 2700K / 4000K = on request
Led 6W / 11W 350mA 2700K / 3000K / 4000K = on request

Soled

Led ceiling light

230V
6W - 10W

Welex C1

IP65
230V
IK06

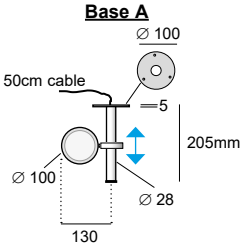
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

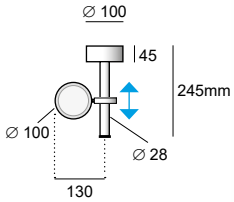
ON REQUEST

Another anodized color combination
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

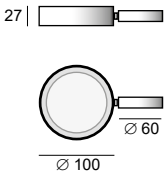
Base A



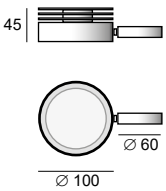
Base B

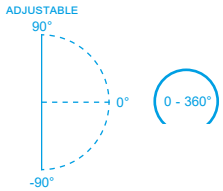


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 395 X . XXX . XX
DIMMABLE TRIAC
base
led
color

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A Base A = height 5mm
B Base B = height 45mm

LED

272 6W 2700K - 230V
273 10W 2700K - 230V
302 6W 3000K - 230V
303 10W 3000K - 230V

COLOR

02A Anodized black
34 Anodized matt gold
36 Anodized burgundy

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Welex C1

Led ceiling light

also available as floor lamp

other color combination = on request

230V
12W - 20W

Welex C2

IP65
230V
IK06

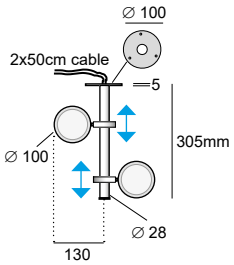
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

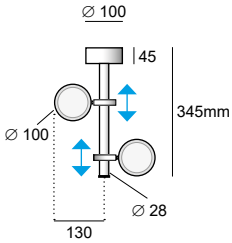
ON REQUEST

Another anodized color combination
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

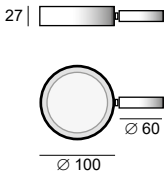
Base A



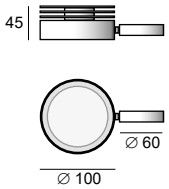
Base B

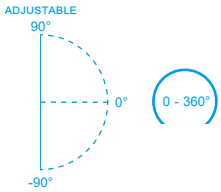


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 396 **X** . **XXX** . **XX**
base | led | color

DIMMABLE TRIAC

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A Base A = height 5mm
B Base B = height 45mm

LED

272 2x 6W 2700K - 230V
273 2x 10W 2700K - 230V
302 2x 6W 3000K - 230V
303 2x 10W 3000K - 230V

COLOR

02A Anodized black
34 Anodized matt gold
36 Anodized burgundy

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Welex C2

Led ceiling light

also available as floor lamp

230V
1,1W - 3,2W

Mini Fanari P

IP65

230V

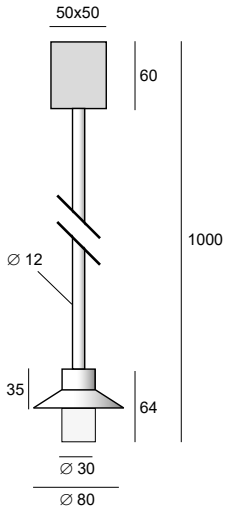
IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK06

ON REQUEST

Painted in RAL colors
Other led color: 4000K / 5000K
Other dimensions (customized)



code: 392. XXX . XX

led color

LED

272	3,2W 2700K - 230V
302	3,2W 3000K - 230V

COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

4000K or 5000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Mini Fanari P

Led ceiling light

also available as wall lamp

230V
6W

Fanari P

IP65

230V

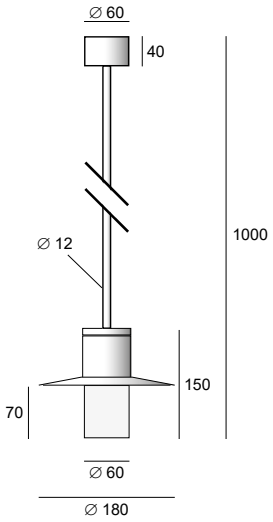
IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

ON REQUEST

Other RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)



code: 391. XX . XX

led color

DIMMABLE TRIAC

max. efficacity 80lm/W

LED

27	6W 2700K - 230V
30	6W 3000K - 230V

COLOR

01	White
02A	Anodized black
24	Corten
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

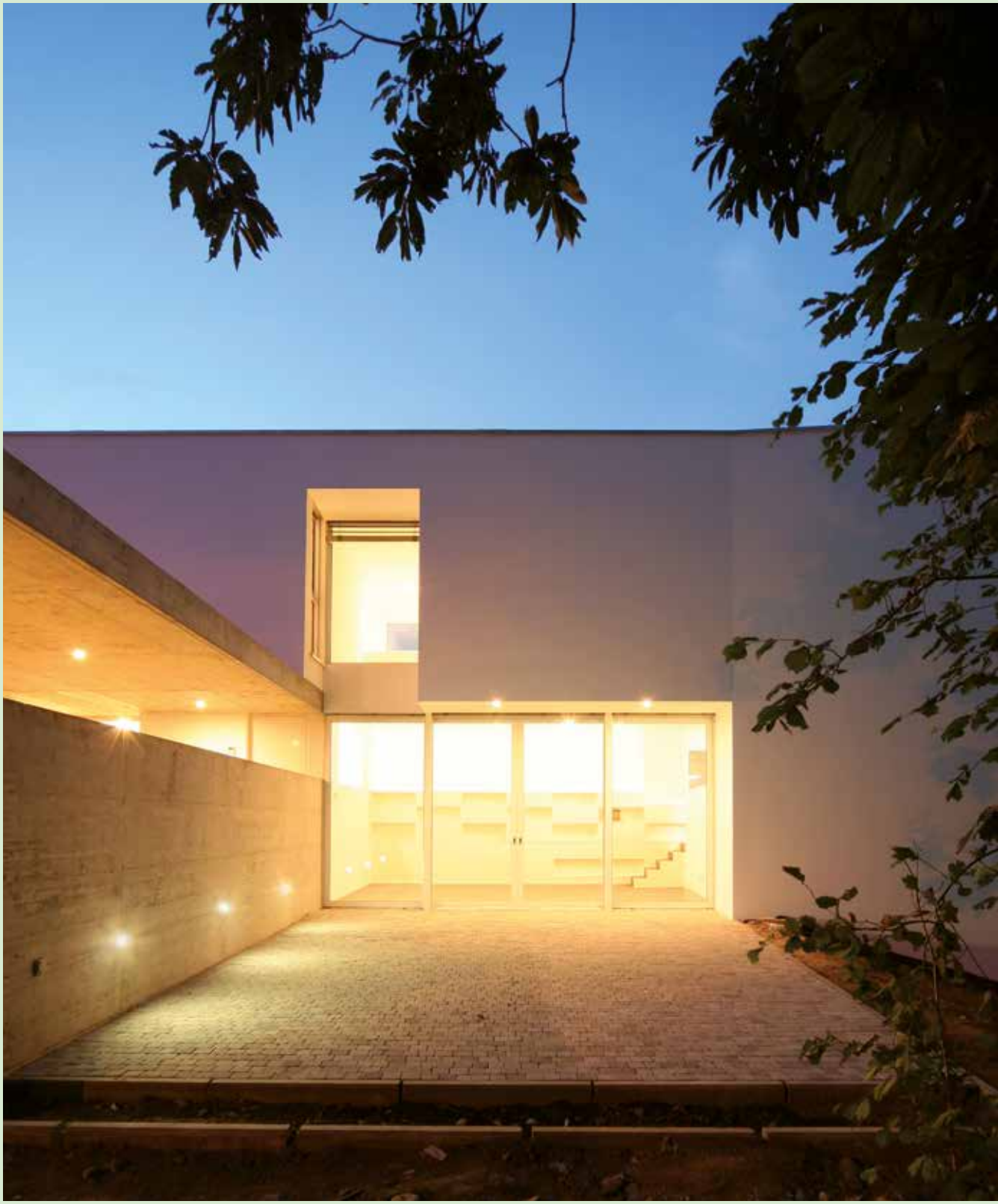
4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Fanari P

Led ceiling light

also available as wall lamp



Yorka A

Astro 2

Exterior

Wall light

∅ min: 32mm

min: 30mm

350mA
1,1W - 3,2W

Faki R

Faki K

IP65

350mA

IK06

DESCRIPTION

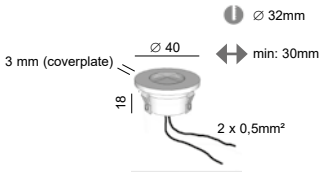
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK06

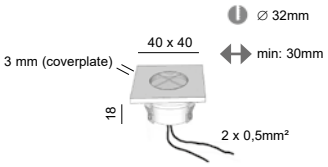
ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other anodized color
Other material: brass / copper / stainless steel
Other led color: 3000K / 5000K





code: 8082R. XXX . XX
led color

DIMMABLE

code: 8082K. XXX . XX
led color

DIMMABLE

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

LED

D10 1,1W - 4000K - 70°
D30 3,2W - 4000K - 70°
W10 1,1W - 2700K - 70°
W30 3,2W - 2700K - 70°

3000K / 5000K = on request

COLOR

00 Natural brushed aluminum
01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
39 Grey
48 Dark grey (RAL 7016 structured)

Accessory

X012
∅ 40 mm
Length: 100mm

Pop 12

Faki

Led wall light

∅ min: 40mm

min: 70mm

350mA
1,1W - 3,2W

Krypto 1

IP65

350mA

IK06

DESCRIPTION

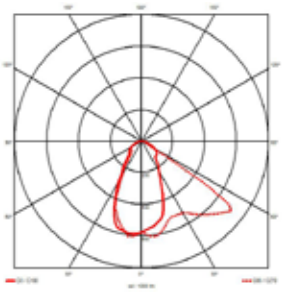
Body made in solid anodized aluminum
Degree of protection IP65 - IK06
Safety clear plexiglass
Led module CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm cable

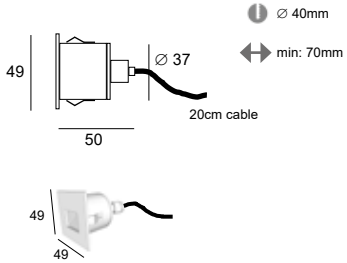
ACCESSORIES

Recessed box - Pop 3 ref: X053
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)

ON REQUEST

Other anodized color
Painted in RAL colors
Sandblasted plexiglass
Other led color: 4000K / 5000K





max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1187. XX X . XX

led | power | color

DIMMABLE

LED

27	2700K
30	3000K

POWER

1	1,1W - 350mA
2	3,2W - 350mA

COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze

4000K / 5000K = on request

Accessory

X053

∅ 45 mm

Length: 55mm

Pop 3

Krypto 1

Led wall light

min: 82x82mm

min: 80mm (350mA)
90mm (230V)

350mA & 230V
3,2W

Krypto 2

IP65
IK06

DESCRIPTION

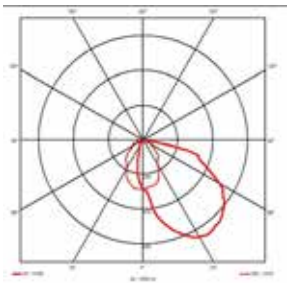
Body made in solid anodized aluminum
Degree of protection IP65 - IK06
Safety clear plexiglass
Class 1 (230V) or Class 3 (350mA)
Led module CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm cable

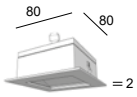
ACCESSORIES

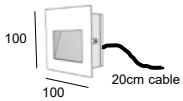
Recessed box - Krypto box 2 ref: X064
Led driver 350mA CC (not for 230V model)

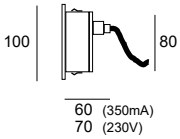
ON REQUEST

Other anodized color
Painted in RAL colors
Sandblasted plexiglass
Other led color: 4000K / 5000K









max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1188. XX XX . XX
led | power | color

LED

27 2700K
30 3000K

POWER

2A 3,2W - 350mA
2B 3,2W - 230V

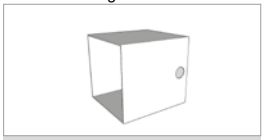
COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze

4000K / 5000K = on request
1,2W 2700K / 3000K / 4000K / 5000K = on request

Accessory

X064
94x94 mm
Length: 85mm



Krypto box 2

Krypto 2

Led wall light

min: 82x42mm

min: 80mm (350mA)
95mm (230V)

350mA & 230V
3,2W

Krypto 3

IP65
IK06

DESCRIPTION

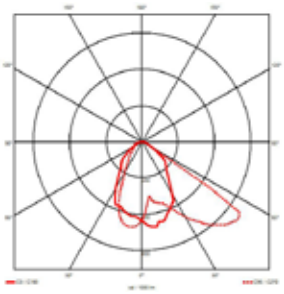
Body made in solid anodized aluminum
Degree of protection IP65 - IK06
Safety clear plexiglass
Class 1 (230V) or Class 3 (350mA)
Led module CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm cable

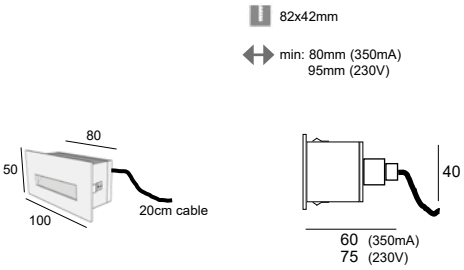
ACCESSORIES

Recessed box - Krypto box 3 ref: X065
Led driver 350mA CC (not for 230V model)

ON REQUEST

Other anodized color
Painted in RAL colors
Sandblasted plexiglass
Other led color: 4000K / 5000K





max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1189. XX XX . XX
led · power · color

LED

27	2700K
30	3000K

POWER

2A	3,2W - 350mA
2B	3,2W - 230V

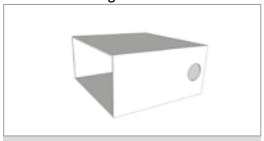
COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze

4000K / 5000K = on request
1,2W 2700K / 3000K / 4000K / 5000K = on request

Accessory

X065
94x46 mm
Length: 85mm



Krypto box 3

Krypto 3

Led wall light

∅ min: 50mm

min: 50mm

350mA
1,1W - 3,2W

Yorka A

code: 8010.XXX.XX

Yorka C

code: 8057.XXX.XX

Yorka D

code: 8058.XXX.XX

Yorka E

code: 8059.XXX.XX

Yorka

Led wall light

DESCRIPTION

Body made in solid aluminum
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
IK09 only for model C/D/E/F
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm cable
Coverplate with thickness 7mm or 9mm

ACCESSORIES

To use with a standard box (depth minimum 50 mm)
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)

ON REQUEST

Other RAL colors
Other anodized color
Other material: brass / copper / ...
Other led color: 3000K / 5000K

0,5

IP65

350mA

0,24

Yorka B

code: 8011.XXX.X

Yorka F

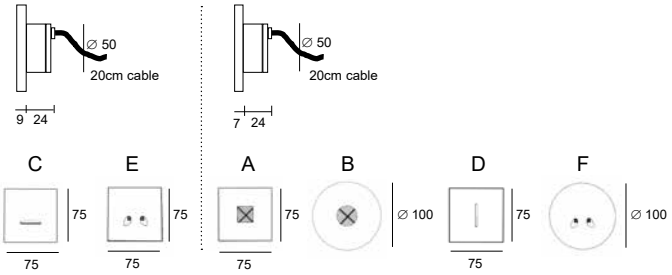
code: 8060.XXX.XX

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

⌀ 50mm
min: 50mm
fixing with 2 screws distances: 60mm

compatible for use with standard box



code: 80_ _ . XXX . XX
led color

DIMMABLE

LED

D11	1,1W 350mA - 4000K
D31	3,2W 350mA - 4000K
W11	1,1W 350mA - 2700K
W31	3,2W 350mA - 2700K

3000K / 5000K = on request

COLOR

01	White
02	Black
32	Anodized aluminum
39	Grey

∅ min: 50mm

min: 50mm

350mA
1,1W - 3,2W

Hydro

IP65

350mA

IK09

DESCRIPTION

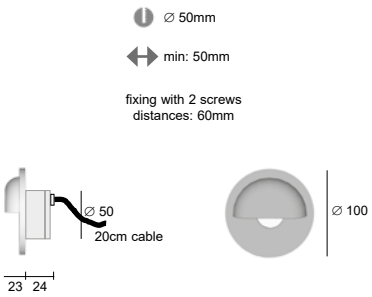
Body made in solid aluminum
Coverplate with thickness 23mm
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm cable
Degree of protection IP65 - IK09

ACCESSORIES

To use with a standard box (depth minimum 50 mm)
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)

ON REQUEST

Other RAL colors
Other anodized color
Other material: brass / copper / ...
Other led color: 3000K / 5000K



compatible for use with standard box

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8062. XXX . XX DIMMABLE
led color

LED

D11	1,1W 350mA - 4000K
D31	3,2W 350mA - 4000K
W11	1,1W 350mA - 2700K
W31	3,2W 350mA - 2700K

3000K / 5000K = on request

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

Hydro

Led wall light

∅ min: 50mm

min: 40mm

350mA
1,1W - 3,2W

ilva

IP65

350mA

IK07

DESCRIPTION

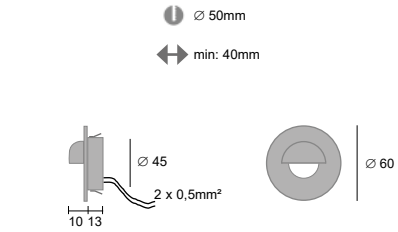
Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK07

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Painted in RAL colors
Other anodized color
Other led color: 4000K / 5000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 326. XXX . XX
led color

DIMMABLE

LED

127 1,1W 350mA - 2700K
130 1,1W 350mA - 3000K

COLOR

02A Anodized black
04 Brushed stainless steel
07 Brushed brass
21 Brushed copper
32 Anodized aluminum
33 Anodized bronze

4000K / 5000K = on request
3,2W 2700K / 3000K / 4000K / 5000K = on request

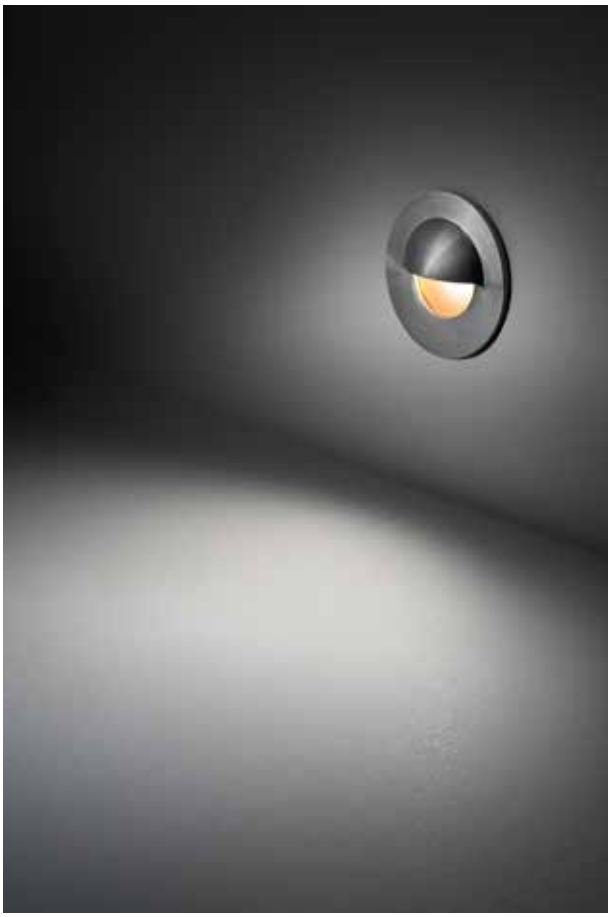
Accessory

X016A / X016B
Ø 55 mm
X016A = Length 65mm
X016B = Length 150mm

Pop 1

ilva

Led wall light



∅ min: 50mm

min: 40mm

350mA
1,1W - 3,2W

Quadris

IP65

350mA

IK07

DESCRIPTION

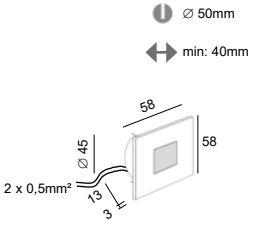
Body made in solid stainless steel
Cover plate 3mm in stainless steel or brass
Safety sandblasted plexiglass
Degree of protection IP65 - IK07
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Anodized color cover plate
Other led color: 3000K / 5000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1102. XXX . XX (XXX = led, XX = color) DIMMABLE

LED

D11 1,1W 350mA - 4000K
W11 1,1W 350mA - 2700K

3000K / 5000K = on request
3,2W 2700K / 3000K / 4000K / 5000K = on request

COLOR

04 Brushed stainless steel
07 Brushed brass

Accessory

X016A / X016B
Ø 55 mm
X016A = Length 65mm
X016B = Length 150mm

Pop 1

Quadris

Led wall light

⌀ min: 50mm

min: 40mm

350mA
1,1W - 3,2W

Ziko

IP65

350mA

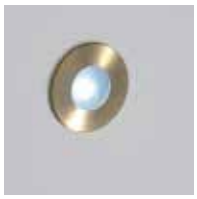
IK07

DESCRIPTION

Body made in solid stainless steel
Cover plate 3mm in stainless steel or brass
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)
Degree of protection IP65 - IK07

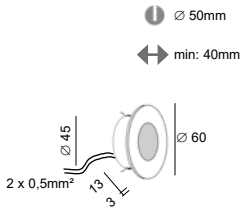
ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083



ON REQUEST

Anodized color cover plate
Other led color: 3000K / 5000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1101. XXX . XX
led color

DIMMABLE

LED

D11 1,1W 350mA - 4000K
W11 1,1W 350mA - 2700K

COLOR

04 Brushed stainless steel
07 Brushed brass

3000K / 5000K = on request
3,2W 2700K / 3000K / 4000K / 5000K = on reques

Accessory

X016A / X016B
Ø 55 mm
X016A = Length 65mm
X016B = Length 150mm

Pop 1

Ziko

Led wall light

∅ min: 50mm

min: 40mm

350mA
1,1W - 3,2W

Disco

IP65

350mA

IK08

DESCRIPTION

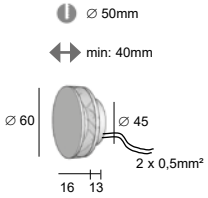
Body made in solid stainless steel
Screws in stainless steel
Degree of protection IP65 - IK08
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 20cm wire (2x 0,5mm²)

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Anodized color cover plate
Other led color: 3000K / 5000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 1155A. XXX .04
led

DIMMABLE

LED

D11 1,1W 350mA - 4000K
W11 1,1W 350mA - 2700K

COLOR

04 Brushed stainless steel

3000K / 5000K = on request
3,2W 2700K / 3000K / 4000K / 5000K = on request

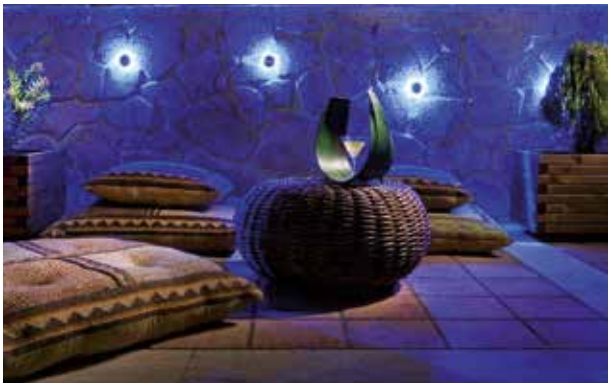
Accessory

X016A / X016B
Ø 55 mm
X016A = Length 65mm
X016B = Length 150mm

Pop 1

Disco

Led wall light



230V
G9 & Led 3,2W

Doombo

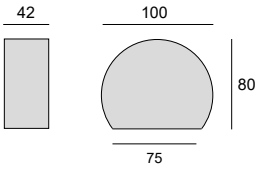
IP65
230V
IK08

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK08

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 4000K / 5000K



code: 339. XX . XX
led/bulb
color

DIMMABLE

max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED / BULB

27 Led 3,2W 230V - 2700K
30 Led 3,2W 230V - 3000K
G9 G9 LED (max. diameter 32mm / height 46mm)

Led 3,2W 4000K / 5000K = on request

COLOR

01 White
02A Anodized black
24 Corten
32 Anodized aluminum
33 Anodized bronze
39 Grey
48 Dark Grey (RAL 7016 structured)

Doombo

Led wall light

230V
G9 & Led 6W

Stepan

IP65

230V

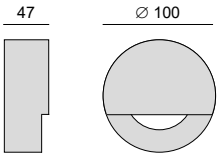
IK08

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK08

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 4000K / 5000K



max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 332. XX . XX
led/bulb
color

DIMMABLE TRIAC

LED / BULB

27 Led 6W 230V - 2700K
30 Led 6W 230V - 3000K
G9 G9 LED (max. diameter 32mm / height 65mm)

Led 6W 4000K = on request
Led 4W 2700K / 3000K / 4000K = on request

COLOR

01 White
02A Anodized black
24 Corten
32 Anodized aluminum
33 Anodized bronze
39 Grey
48 Dark Grey (RAL 7016 structured)

Stepan

Led wall light

230V
4W - 6W

Fly

IP65

230V

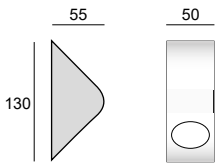
IK09

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK09

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

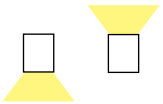


max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 341. XXX . XX DIMMABLE TRIAC

led color



LED

272 Led 4W 230V - 2700K
273 Led 6W 230V - 2700K
302 Led 4W 230V - 3000K
303 Led 6W 230V - 3000K

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4W or 6W 230V 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Fly

Led wall light

as bollard = on request

350mA & 230V
3,2W - 8W

Koba 1

IP65
IK09

DESCRIPTION

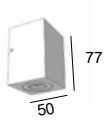
Body made in solid aluminum
Screws in stainless steel
Degree of protection IP65 - IK09
Safety plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

ACCESSORIES

Led driver 350mA CC (not for 230V model)
Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Only for led 3,2W 350mA : 3000K / 5000K
Only for led 4W 230V : 3000K / 4000K

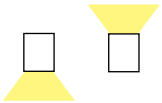


max. efficacity 128lm/W

Typical luminous flux (lm)		
	4W	3,2W
2700 K	315	355
3000 K	320	370
4000 K	340	395
5000 K		410

code: 8045 . XXX . XX
led · color

DIMMABLE



LED

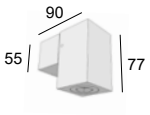
D32 3,2W 350mA - 4000K - 70°
W03 4W 230V - 2700K - 70°
W32 3,2W 350mA - 2700K - 70°

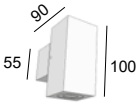
COLOR

01 White
02 Black
32 Anodized aluminum
39 Grey
48 Dark Grey (RAL 7016 structured)

1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request
3,2W 350mA / 3000K / 5000K = on request
4W 230V 3000K / 4000K = on request

With square base = on request





Koba

Led wall light

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Degree of protection IP65 - IK09
Safety plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

ACCESSORIES

Led driver 350mA CC (not for 230V model)
Lens 10° - ref: AC.8041.32

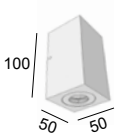
ON REQUEST

Other RAL colors
Other anodized color
Only for led 3,2W 350mA : 3000K / 5000K
Only for led 4W 230V : 3000K / 4000K

Koba 2

IP65
IK09

max. efficacity 128lm/W



code: 8049 . XXX . XX
led
color

DIMMABLE

Typical luminous flux (lm)		
	2x 4W	2x 3,2W
2700 K	2x 315	2x 355
3000 K	2x 320	2x 370
4000 K	2x 340	2x 395
5000 K		2x 410

LED

D32	2 x 3,2W 350mA - 4000K - 70°
W03	2 x 4W 230V - 2700K - 70°
W32	2 x 3,2W 350mA - 2700K - 70°

COLOR

01	White
02	Black
32	Anodized aluminum
39	Grey
48	Dark Grey (RAL 7016 structured)

1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request
3,2W 350mA / 3000K / 5000K = on request
4W 230V 3000K / 4000K = on request

230V
4W - 8W

Cookie 1

IP65

230V

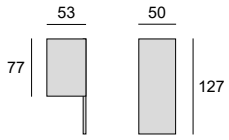
IK07

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K

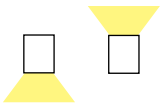


max. efficacity 85lm/W

Typical luminous flux (lm)	
	4W
2700 K	315
3000 K	320
4000 K	340

code: 323. XXX . XX
led color

DIMMABLE TRIAC



LED

271 4W - 2700K - 70°
301 4W - 3000K - 70°

COLOR

01 White
02 Black
24 Corten
39 Grey
48 Dark grey (RAL 7016 textured)

4W 230V 4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Cookie

Led wall light

DESCRIPTION

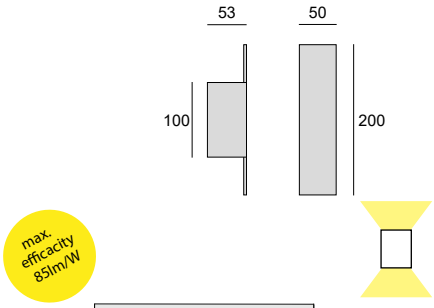
Body made in solid aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K

IP65
230V
IK07

Cookie 2



max. efficacity 85lm/W

Typical luminous flux (lm)	
	2x 4W
2700 K	2x 315
3000 K	2x 320
4000 K	2x 340

code: 324. XXX . XX
led / color

DIMMABLE TRIAC

LED

271	2x 4W - 2700K - 70°
301	2x 4W - 3000K - 70°

COLOR

01	White
02	Black
24	Corten
39	Grey
48	Dark grey (RAL 7016 textured)

4W 230V 4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

230V
4W - 8W

Fanfan 1

IP65
230V
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

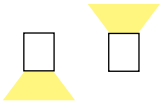
Painted in RAL colors
Other led color: 4000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K

max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 327. XXX . XX
led · color

DIMMABLE TRIAC



LED

272 4W - 2700K - 70°
273 6W - 2700K - 70°
302 4W - 3000K - 70°
303 6W - 3000K - 70°

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4W 230V 4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

with ball d.97mm = on request

Fanfan

Led wall light

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K

IP65
230V
IK07

Fanfan 2

max. efficacity 85lm/W

Typical luminous flux (lm)	
	2x 4W
2700 K	2x 315
3000 K	2x 320
4000 K	2x 340

code: 328. XXX . XX
led
color

DIMMABLE TRIAC

LED

272 2x 4W - 2700K - 70°
302 2x 4W - 3000K - 70°

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4W 230V 4000K = on request
1,1W or 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

230V
4W - 8W

Moon 1

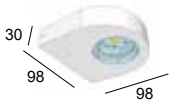
IP65
230V
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10

ON REQUEST

Painted in RAL colors
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

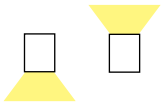


max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

code: 329. XXX . XX
led | color

DIMMABLE TRIAC



LED

272	4W - 2700K - 70°
273	6W - 2700K - 70°
302	4W - 3000K - 70°
303	6W - 3000K - 70°

COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze

3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Moon 2

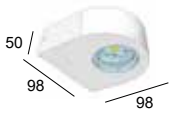
IP65
230V
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10

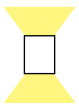
ON REQUEST

Painted in RAL colors
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K



code: 330. XXX . XX
led | color

DIMMABLE TRIAC



LED

272	2x 4W - 2700K - 70°
302	2x 4W - 3000K - 70°

COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze

3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Moon

Led wall light

230V
3,2W - 6,4W

Okio 1

IP65

230V

IK09

DESCRIPTION

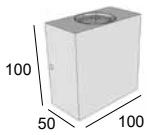
Body made in solid aluminum
Screws in stainless steel
Safety plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 3000K / 5000K
Dimmable power supply 220-240V



max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

code: 8041. XXX . XX
led color

LED

D40 3,2W - 4000K - 70°
W40 3,2W - 2700K - 70°

3000K / 5000K = on request

COLOR

01 White
02 Black
32 Anodized aluminum
39 Grey
48 Dark Grey (RAL 7016 structured)

Okio
Led wall light

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

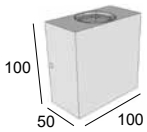
Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 3000K / 5000K
Dimmable power supply 220-240V

IP65
230V
IK09

Okio 2



max. efficacity 128lm/W

Typical luminous flux (lm)	
	2x 3,2W
2700 K	2x 355
3000 K	2x 370
4000 K	2x 395
5000 K	2x 410

code: 8041. XXX . XX
led color

LED

D80 2 x 3,2W - 4000K - 70°
W80 2 x 3,2W - 2700K - 70°

3000K / 5000K = on request

COLOR

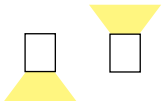
01 White
02 Black
32 Anodized aluminum
39 Grey
48 Dark Grey (RAL 7016 structured)

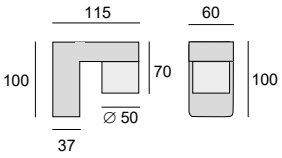
230V
4,2W - 16,8W

Jaka S1

IP65
230V
IK07

code: 370. XX XXX . XX
led power color





LED		POWER	
27	2700K	**110**	4,2W - 10°
30	3000K	**140**	4,2W - 40°

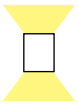
4000K = on request

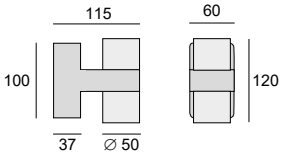
COLOR	
02A	Anodized black / black
32	Anodized black / aluminum
33	Anodized black / bronze
34	Anodized black / matt gold
35	Anodized black / green
36	Anodized black / burgundy

Jaka S2

IP65
230V
IK07

code: 371. XX XXX . XX
led power color





LED		POWER	
27	2700K	**110**	8,4W (2x 4,2W) - 10°
30	3000K	**140**	8,4W (2x 4,2W) - 40°

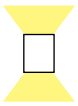
4000K = on request

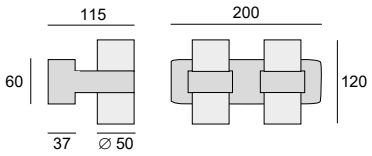
COLOR	
02A	Anodized black / black
32	Anodized black / aluminum
33	Anodized black / bronze
34	Anodized black / matt gold
35	Anodized black / green
36	Anodized black / burgundy

Jaka S4

IP65
230V
IK07

code: 373. XX XXX . XX
led power color





LED		POWER	
27	2700K	**110**	16,8W (4x 4,2W) - 10°
30	3000K	**140**	16,8W (4x 4,2W) - 40°

4000K = on request

COLOR	
02A	Anodized black / black
32	Anodized black / aluminum
33	Anodized black / bronze
34	Anodized black / matt gold
35	Anodized black / green
36	Anodized black / burgundy

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Jaka S

Led wall light

max. efficacity 77lm/W

Typical luminous flux (lm)	
	4,2W
2700 K	310
3000 K	325
4000 K	325

DESCRIPTION

Body made in solid anodized aluminum
Standard = two color (always black base)
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK07

ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.029.3

ON REQUEST

Another anodized color combination
Painted in RAL colors
Other dimensions (customized)
Other led color: 4000K

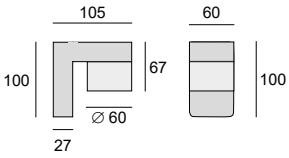
230V
4W - 16W

Jaka M1

IP65
230V
IK07

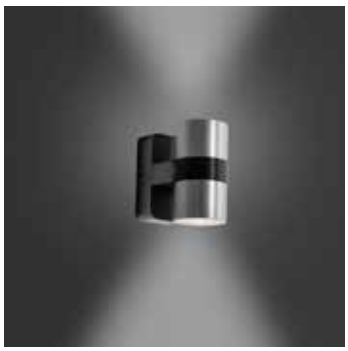
code: 375. XX XXX . XX
led / power / color

DIMMABLE TRIAC



LED		POWER		COLOR	
27	2700K	**115**	4W - 15°	**02A**	Anodized black / black
30	3000K	**150**	4W - 50°	**32**	Anodized black / aluminum
		215	6W - 15°	**33**	Anodized black / bronze
		250	6W - 50°	**34**	Anodized black / matt gold
				35	Anodized black / green
				36	Anodized black / burgundy

36° = on request
4000K = on request

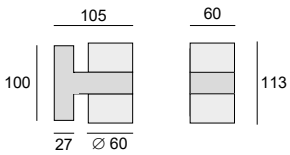


Jaka M2

IP65
230V
IK07

code: 376. XX XXX . XX
led / power / color

DIMMABLE TRIAC



LED		POWER		COLOR	
27	2700K	**115**	8W (2x 4W) - 15°	**02A**	Anodized black / black
30	3000K	**150**	8W (2x 4W) - 50°	**32**	Anodized black / aluminum
				33	Anodized black / bronze
				34	Anodized black / matt gold
				35	Anodized black / green
				36	Anodized black / burgundy

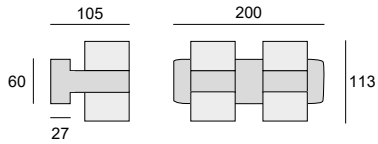
36° = on request
4000K = on request

Jaka M4

IP65
230V
IK07

code: 378. XX XXX . XX
led / power / color

DIMMABLE TRIAC



LED		POWER		COLOR	
27	2700K	**115**	16W (4x 4W) - 15°	**02A**	Anodized black / black
30	3000K	**150**	16W (4x 4W) - 50°	**32**	Anodized black / aluminum
				33	Anodized black / bronze
				34	Anodized black / matt gold
				35	Anodized black / green
				36	Anodized black / burgundy

36° = on request
4000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Jaka M

Led wall light

max. efficacity 95lm/W

Typical luminous flux (lm)		
	4W	6W
2700 K	315	460
3000 K	320	470
4000 K	340	480

DESCRIPTION

Body made in solid anodized aluminum
Standard = two color (always black base)
Screws in stainless steel
Safety clear plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Another anodized color combination
Painted in RAL colors
Other dimensions (customized)
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

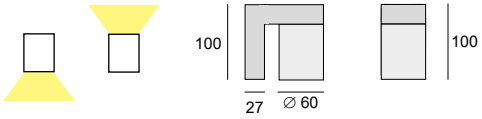
230V
GU10

Jaka GU1

IP65
230V
IK07

code: 385. XX . XX
bulb
color

DIMMABLE



BULB

GU GU10 LED (max. height 65mm)

COLOR

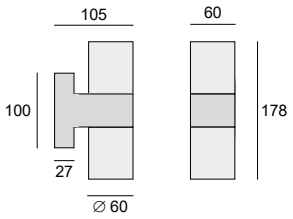
02A Anodized black / black
32 Anodized black / aluminum
33 Anodized black / bronze
34 Anodized black / matt gold
35 Anodized black / green
36 Anodized black / burgundy

Jaka GU2

IP65
230V
IK07

code: 386. XX . XX
bulb
color

DIMMABLE



BULB

GU 2 x GU10 LED (max height 65mm)

COLOR

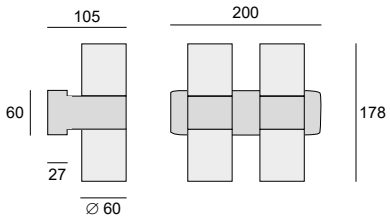
02A Anodized black / black
32 Anodized black / aluminum
33 Anodized black / bronze
34 Anodized black / matt gold
35 Anodized black / green
36 Anodized black / burgundy

Jaka GU4

IP65
230V
IK07

code: 388. XX . XX
bulb
color

DIMMABLE



BULB

GU 4 x GU10 LED (max height 65mm)

COLOR

02A Anodized black / black
32 Anodized black / aluminum
33 Anodized black / bronze
34 Anodized black / matt gold
35 Anodized black / green
36 Anodized black / burgundy

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Jaka GU

Led wall light

DESCRIPTION

Body made in solid anodized aluminum
Standard = two color (always black base)
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK07

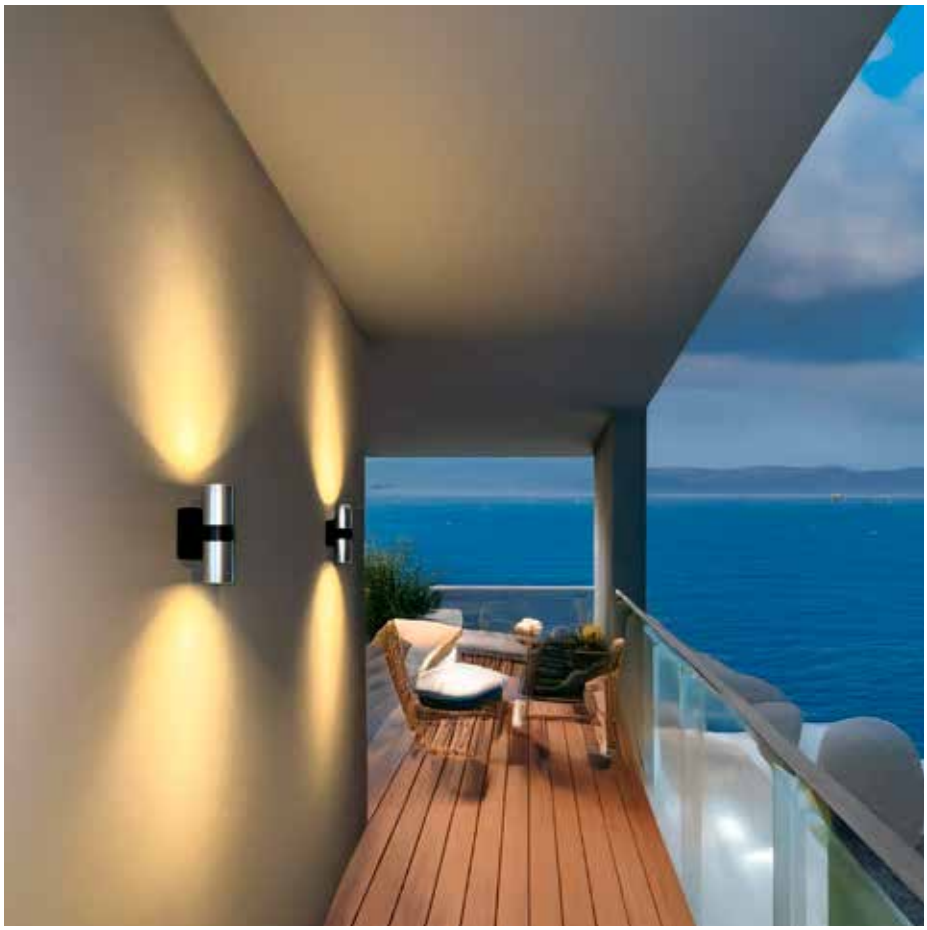
ACCESSORIES

Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Another anodized color combination
Painted in RAL colors
Other dimensions (customized)

Other customized dimensions = on request



230V
6W - 9,5W

Keyko

IP65

230V

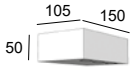
IK09

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Power supply 220-240V incorporated
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Safety sandblasted plexiglass
Degree of protection IP65 - IK09

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Led 9,5W : 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Other dimensions (customized)



max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8056.1 XXX . XX
led color

LED

D37 6W - 4000K
W37 6W - 2700K

COLOR

01 White
02 Black
24 Corten
39 Grey
48 Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
9,5W 2700K / 3000K / 4000K / 5000K = on request

Keyko

Led wall light

230V
6W - 9,5W

Sampa D

IP65

230V

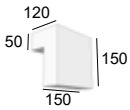
IK09

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Led 9,5W : 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Other dimensions (customized)



max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8036.1 XXX . XX
led color

LED

D37 6W - 4000K
W37 6W - 2700K

COLOR

02 Black
24 Corten
39 Grey
48 Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
9,5W 2700K / 3000K / 4000K / 5000K = on request

Sampa D

Led wall light

230V
6W - 9,5W

Torga D

IP65

230V

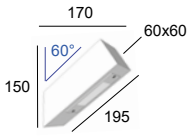
IK09

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Led 9,5W : 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Other dimensions (customized)



max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8008.1 XXX . XX
led color

LED

D37 6W - 4000K
W37 6W - 2700K

COLOR

02 Black
24 Corten
39 Grey
48 Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
9,5W 2700K / 3000K / 4000K / 5000K = on request

Torga D

Led wall light

Also available as a garden bollard.

230V
6W - 17W

Sampa D-Pro

IP65

230V

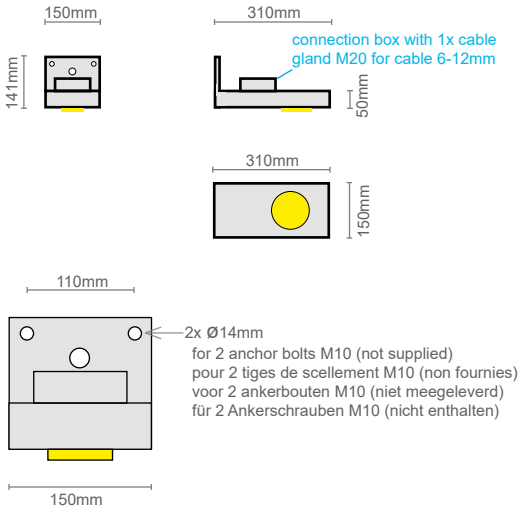
IK08

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Asymmetrical silicone lens anti-UV, efficiency 89%
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK08

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 2700K / 5000K
Led 6W or 34W: 2700K / 3000K / 4000K / 5000K
Other Lens (symmetrical 100°)
Motion detector (around 8m)



code: 7020P1. XX . XX
led color

LED

N2	11W - 4000K
N3	17W - 4000K
W2	11W - 3000K
W3	17W - 3000K

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

2700K / 5000K = on request
6W or 34W : 2700K / 3000K / 4000K / 5000K = on request

max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

Sampa D-Pro

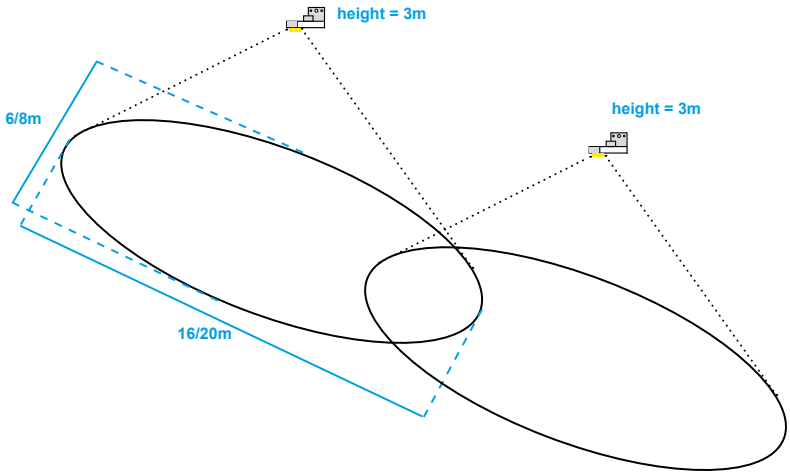
Led wall light

Applications

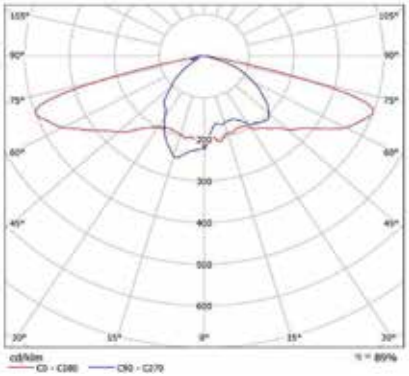
- Footpath
- Car park
- Park
- Building entrance
- Bicycle path
- PRM area

Advantages

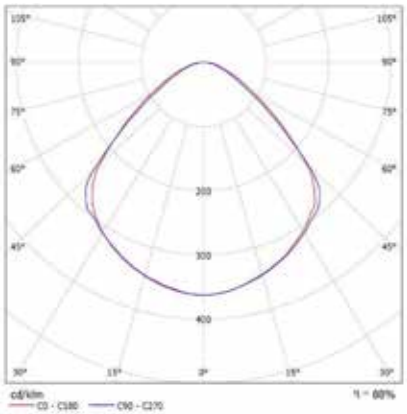
- Timeless design & robust (IK08)
- Lighting level conforms to PRM standards
- Also available with motion detector for:
  - significant energy savings
  - a reduction of light pollution
  - a convenient and secure function to the site
  - an extension to the LED lifetime
- Also available with dimmable power supply



Standard Lens (asymmetrical)



On request: symmetrical lens



On request

Motion detector

remote control

230V
G9 & Led 6W - 10W

Omega 1

IP65

230V

0,90

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety sandblasted glass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK04

ON REQUEST

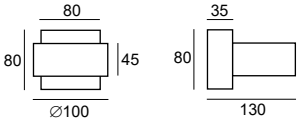
Other anodized color
Painted in RAL colors
Other led color: 2700K / 4000K (only ref. 910SA)

max. efficacity 102lm/W

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

code: 910SA. XX . XX
led | bulb
color

DIMMABLE



LED / BULB

G9 G9 LED (max. diameter 32mm / height 60mm)
W6 Led 6W 230V - 3000K
W7 Led 10W 230V - 3000K

2700K / 4000K = on request

COLOR

02A Anodized black
32 Anodized aluminum

Omega 2

IP65

230V

0,80

DESCRIPTION

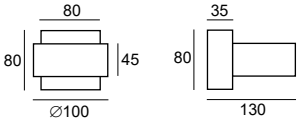
Body made in solid anodized aluminum
Screws in stainless steel
Safety sandblasted glass
Degree of protection IP65 - IK04

ON REQUEST

Other anodized color
Painted in RAL colors

code: 913SA. G9 . XX
color

DIMMABLE



BULB

G9 G9 LED (max. diameter 32mm / height 60mm)

COLOR

02A Anodized black
32 Anodized aluminum

With recessed box on request

Omega

Led wall light

230V
6W - 20W

Wally-S

IP65

230V

IK04

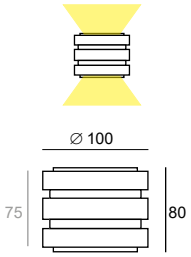
DESCRIPTION

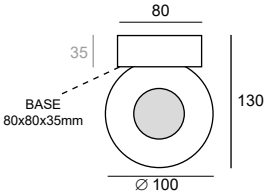
Body made in solid anodized aluminum
Screws in stainless steel
Safety clear glass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK04

ON REQUEST

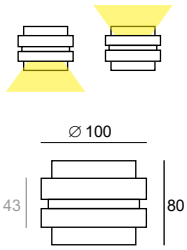
Other anodized color
Painted in RAL colors
Other led color: 2700K / 4000K

TWO SIDES





ONE SIDE



code: 7011. XXX . XX
led
color

DIMMABLE TRIAC

max. efficacity 102lm/W

LED

W11 6W - 3000K - 50°
W12 10W - 3000K - 50°
W21 2x 6W - 3000K - 50°
W22 2x 10W - 3000K - 50°

2700K / 4000K = on request

COLOR

02A Anodized black
32 Anodized aluminum

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

Wally-S

Led wall light

230V
10W - 40W

Wally-XL

IP65
230V
IK04

DESCRIPTION

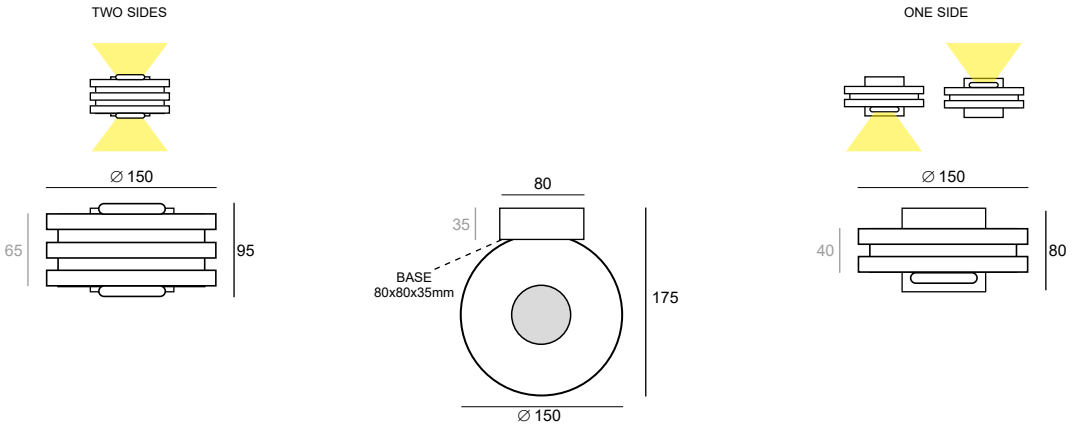
Body made in solid anodized aluminum
Screws in stainless steel
Safety clear glass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK04

ACCESSORIES

Adjustable lens 30° --> 5° - ref: AC.7012.1._ _
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 2700K / 4000K



code: 7012. XXX . XX DIMMABLE TRIAC
led
color

LED

W12 10W - 3000K - 50°
W13 20W - 3000K - 50°
W22 2x 10W - 3000K - 50°
W23 2x 20W - 3000K - 50°

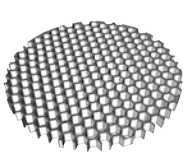
Led 10W 2700K / 4000K = on request

COLOR

02A Anodized black
32 Anodized aluminum

max. efficacity 102lm/W

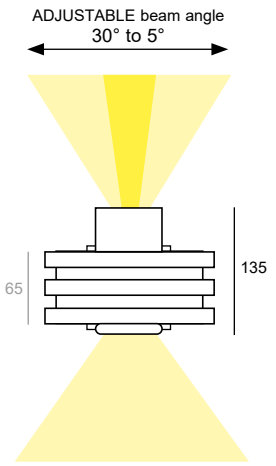
Typical luminous flux (lm)		
	10W	20W
2700 K	930	
3000 K	950	1800
4000 K	1020	

Accessories	
X060.050.3 Ø 50 mm Height: 3mm	**AC.7012.1._ _** Ø 65 mm Height: 55mm
	
Louver	Lens 02

Wally-XL

Led wall light

EXAMPLE
with accessory ref: AC.7012.1._ _
on the top



with accessory ref: AC.7012.1._ _
on the top

230V
3,2W - 6,4W

Mini Astro 1

IP65

230V

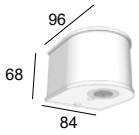
IK06

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK06
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

ON REQUEST

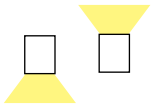
Other RAL colors
Other led color: 3000K / 5000K
Dimmable power supply 220-240V



max. efficacity 119lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	337
3000 K	354
4000 K	380
5000 K	381

code: 8055 . XXX . XX
led
angle
color



LED

D3	3,2W - 4000K
W3	3,2W - 2700K

3000K - 5000K = on request

ANGLE

1	35°
2	50°

COLOR

01	White
02	Black
32	Anodized aluminum

Mini Astro

Led wall light

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK06
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

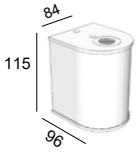
ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Dimmable power supply 220-240V

IP65
230V
IK06

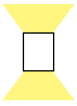
Mini Astro 2

max. efficacity 128lm/W



Typical luminous flux (lm)	
	2x 3,2W
2700 K	2x 355
3000 K	2x 370
4000 K	2x 395
5000 K	2x 410

code: 8054 . XXX . XX
led
angle
color



LED

D3	2x 3,2W - 4000K
W3	2x 3,2W - 2700K

ANGLE

1	35°
2	50°

COLOR

01	White
02	Black
32	Anodized aluminum

3000K - 5000K = on request

230V
6W - 17W

Astro 1

IP65

230V

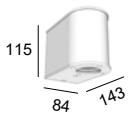
IK09

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK09
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Dimmable power supply 220-240V

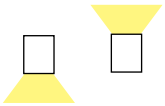


max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

code: 8053 . XXX . XX

led
power
angle
color



LED

D 4000K
W 2700K

POWER

0 6W
1 11W
2 17W

ANGLE

1 15°
3 50°

COLOR

01 White
02 Black
32 Anodized aluminum

3000K - 5000K = on request
36° beam angle = on request

Astro 1

Led wall light

230V
12W - 34W

Astro 2

IP65
230V
IK09

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK09
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K

Recto 2

IP65
230V
IK09

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK09
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

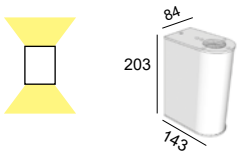
ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K

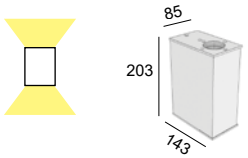
Astro 2 - Recto 2

Led wall light

code: 8034 . XXX . XX
led
power
angle
color



code: 8035 . XXX . XX
led
power
angle
color



max. efficacity 142lm/W

	Typical luminous flux (lm)		
	2x 6W	2x 11W	2x 17W
2700 K	2x 725	2x 1350	2x 2090
3000 K	2x 760	2x 1400	2x 2180
4000 K	2x 805	2x 1480	2x 2310
5000 K	2x 845	2x 1540	2x 2415

LED

D	4000K
W	2700K

POWER

0	2 x 6W
1	2 x 11W
2	2 x 17W

ANGLE

1	15°
3	50°

COLOR

01	White
02	Black
32	Anodized aluminum

3000K - 5000K = on request
36° beam angle = on request

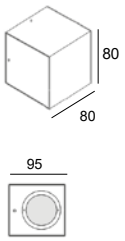
230V
GU10

Cube 1L

IP65
230V
IK04

code: 902.GU.XX
color

DIMMABLE



BULB

GU GU10 LED (max. height 52mm)

COLOR

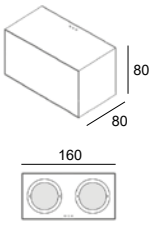
02A Anodized black
32 Anodized aluminum

Cube Bis

IP65
230V
IK04

code: 904.GU.XX
color

DIMMABLE



BULB

GU 2 x GU10 LED (max. height 52mm)

COLOR

02A Anodized black
32 Anodized aluminum

Cube 1L / Bis

Led wall light

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK04
Safety clear glass

ON REQUEST

Other anodized color
IK09 with clear or sandblasted safety plexiglass

230V
GU10

Cube 2L

IP65

230V

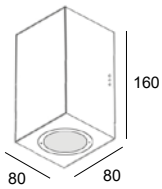
IK04

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK04
Safety clear glass

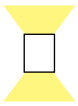
ON REQUEST

Other anodized color
IK09 with clear or sandblasted safety plexiglass



code: 907.GU.XX
color

DIMMABLE



BULB

GU 2 x GU10 LED (max. height 52mm)

COLOR

02A Anodized black
32 Anodized aluminum

Cube 2L

Led wall light

230V
GU10

Max

IP65

230V

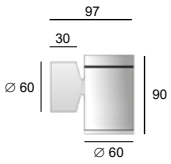
IK09

DESCRIPTION

Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Degree of protection IP65 - IK09
Safety clear plexiglass

ON REQUEST

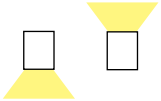
Other RAL colors
Other anodized color
Other dimensions (customized)



code: 753. GU . XX

color

DIMMABLE



BULB

GU GU10 LED (max. height 56mm)

COLOR

00 Natural brushed aluminum
02 Black
04 Brushed stainless steel
07 Brushed brass
21 Brushed copper
39 Grey

With recessed box on request

With recessed box on request

Double luminaire on request

Max

Led wall light

Villages Nature® Paris - Photographe : Isabelle SMOLINSKI

230V
GU10

Teka

IP65

230V

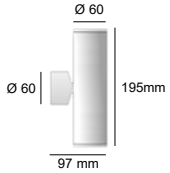
IK09

DESCRIPTION

Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Degree of protection IP65 - IK09
Safety clear plexiglass

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)



code: 752. GU . XX

color

DIMMABLE

BULB

GU 2 x GU10 LED (max height 65mm)

COLOR

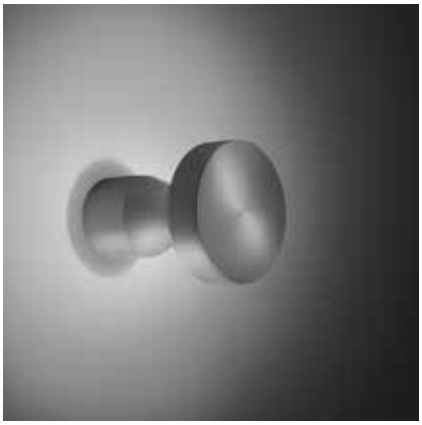
00 Natural brushed aluminum
02 Black
04 Brushed stainless steel
07 Brushed brass
21 Brushed copper
39 Grey

With recessed box on request

Teka

Led wall light

230V
6W



Disk

IP65
230V
IK07

DESCRIPTION

Body made in anodized aluminum, copper or brass
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10

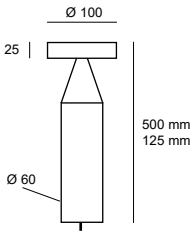
ACCESSORIES

Base plate Ø 100mm - Easyfix ref: X100A. _ _
Spike for ground fixing - Pic 1 ref: 802.00.02

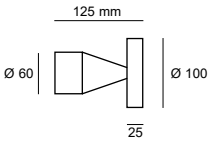
ON REQUEST

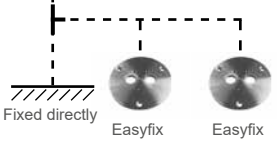
Painted in RAL colors
Other anodized color
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K
Power supply 24VDC included
Other dimensions (customized)

garden bollard



wall lamp





See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 1

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

code: 340. X XXX . XX DIMMABLE TRIAC

- X = height
- XXX = led
- XX = color

HEIGHT

1	125 mm
2	500 mm

LED

272	6W - 2700K
302	6W - 3000K

COLOR

02A	Anodized black
07	Brushed brass
21	Brushed copper
32	Anodized aluminum
33	Anodized bronze

4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

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- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Disk

Led wall light

230V
6W

Fly D

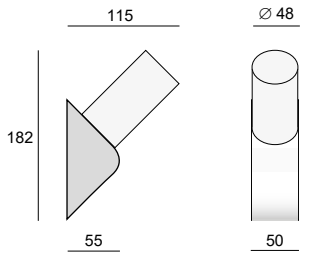
IP65
230V
IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

code: 342. XXX . XX
led color

DIMMABLE TRIAC

LED

273 Led 6W 230V - 2700K
303 Led 6W 230V - 3000K

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

6W 230V 4000K = on request
4W 230V 2700K / 3000K / 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Fly D

Led wall light

with ball d.97mm = on request

230V
3,2W

LightSaber D

IP65

230V

IK06

DESCRIPTION

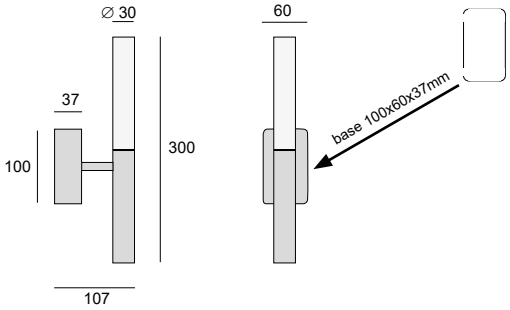
Body made in solid aluminum
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK06

ACCESSORIES

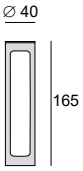
Anti-glare tube - CoverSab 2 ref: 384.AC1._ _

ON REQUEST

Painted in RAL colors
Other led color: 4000K / 5000K



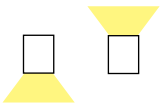
CoverSab 2



code: 384.AC1._ _

Anti-glare accessory
Ø 40 mm Height: 165mm

code: 384. XXX . XX
led color



max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

272 3,2W 230V - 2700K
302 3,2W 230V - 3000K

4000K / 5000K = on request

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

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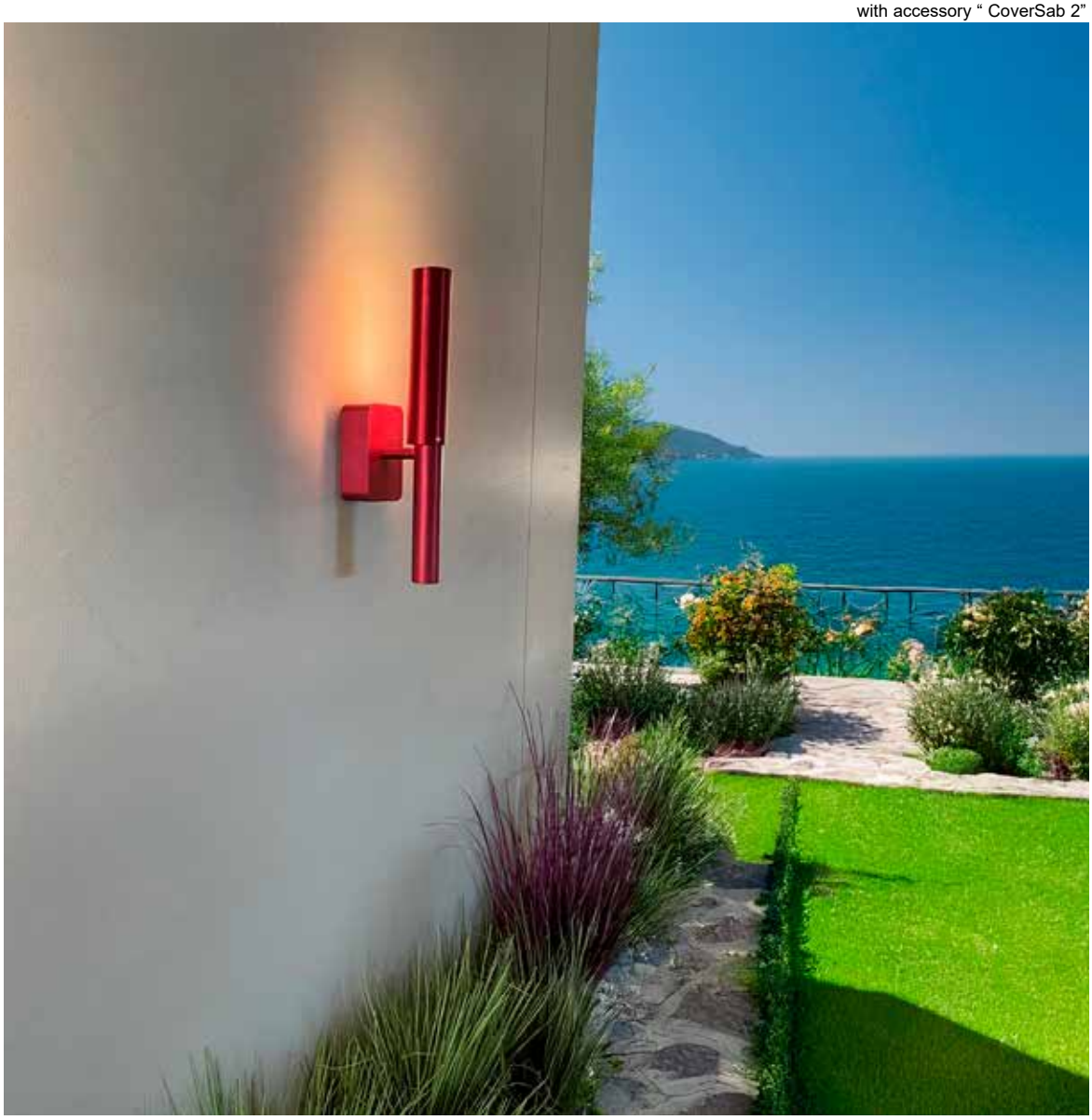
LightSaber D

Led wall light

with accessory “ CoverSab 2”



with accessory “ CoverSab 2”

350mA & 230V
3,2W

Globe S

IP65
350mA
IK06

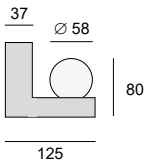
DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)
Degree of protection IP65 - IK06

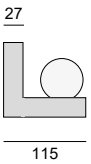
ON REQUEST

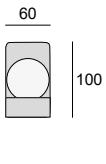
Painted in RAL colors
Other led color: 4000K / 5000K

230V

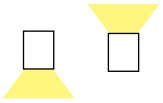


350mA





code: 343. XX XX . XX
led · power · color



max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

27 2700K
30 3000K

4000K / 5000K = on request

POWER

2A 3,2W - 350mA
2B 3,2W - 230V

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Globe S

Led wall light

230V
6W

Globe M

IP65

230V

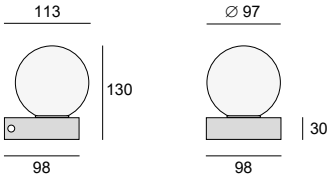
IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

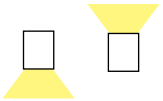


max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

code: 344. XXX . XX
led color

DIMMABLE TRIAC



LED

272 6W 230V - 2700K
302 6W 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

6W 230V 4000K = on request
4W 230V 2700K / 3000K / 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Globe M

Led wall light

230V
6W -12W

Cylo 1

IP65

230V

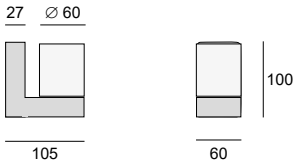
IK07

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

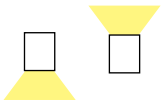
ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



code: 346. XXX . XX
led
color

DIMMABLE TRIAC



max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

LED

272 6W 230V - 2700K
302 6W 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

6W 230V 4000K = on request
4W 230V 2700K / 3000K / 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Cylo
Led wall light

DESCRIPTION

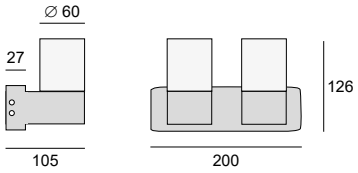
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

IP65
230V
IK07

Cylo 2



code: 348. XXX . XX
led
color

DIMMABLE TRIAC

max. efficacity 80lm/W

Typical luminous flux (lm)	
	2x 6W
2700 K	2x 460
3000 K	2x 470
4000 K	2x 480

LED

272	12W (2x 6W) 230V - 2700K
302	12W (2x 6W) 230V - 3000K

COLOR

01	White
02A	Anodized black
32	Anodized aluminum
33	Anodized bronze
34	Anodized matt gold
35	Anodized green
36	Anodized burgundy

2x 6W 230V 4000K = on request
2x 3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

230V
8W -16W

Cylo K1

IP65

230V

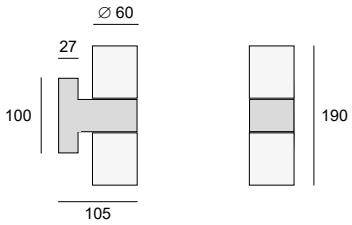
IK07

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



code: 347. XXX . XX
led color

DIMMABLE TRIAC

max. efficacity 85lm/W

Typical luminous flux (lm)	
	2x 4W
2700 K	2x 315
3000 K	2x 320
4000 K	2x 340

LED

271 8W (2x 4W) 230V - 2700K
301 8W (2x 4W) 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

2x 4W 230V 4000K = on request
2x 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Cylo K
Led wall light

DESCRIPTION

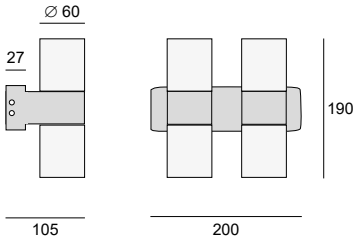
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

IP65
230V
IK07

Cylo K2



max. efficacity 85lm/W

code: 349. XXX . XX
led
color

DIMMABLE TRIAC

Typical luminous flux (lm)	
	4x 4W
2700 K	4x 315
3000 K	4x 320
4000 K	4x 340

LED

271 16W (4x 4W) 230V - 2700K
301 16W (4x 4W) 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4x 4W 230V 4000K = on request
4x 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

230V
8W -16W

Cylo G1

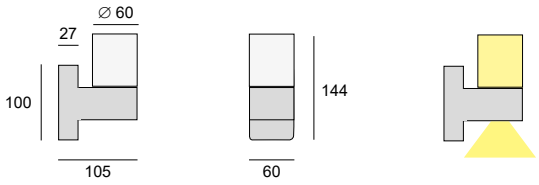
IP65
230V
IK07

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



code: 350. XXX . XX
led color

DIMMABLE TRIAC

max. efficacity 85lm/W

Typical luminous flux (lm)	
	2x 4W
2700 K	2x 315
3000 K	2x 320
4000 K	2x 340

LED

271 8W (2x 4W) 230V - 2700K
301 8W (2x 4W) 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

2x 4W 230V 4000K = on request
2x 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
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Cylo G
Led wall light

DESCRIPTION

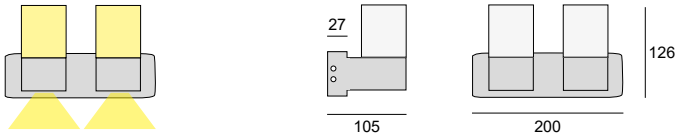
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK07

ON REQUEST

Painted in RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K

IP65
230V
IK07

Cylo G2



max. efficacity 85lm/W

Typical luminous flux (lm)	
	4x 4W
2700 K	4x 315
3000 K	4x 320
4000 K	4x 340

code: 351. XXX . XX
led · color

DIMMABLE TRIAC

LED

271 16W (4x 4W) 230V - 2700K
301 16W (4x 4W) 230V - 3000K

COLOR

01 White
02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

4x 4W 230V 4000K = on request
4x 3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

230V
3,2W

Strouggi

IP65

230V

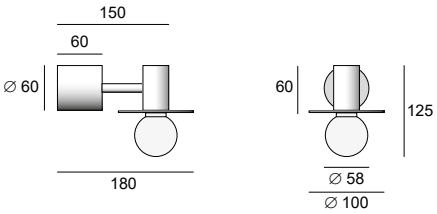
IK06

DESCRIPTION

Body made in copper
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK06

ON REQUEST

Made of aluminum with anodized color
Made of aluminum with RAL color
Other led color: 4000K / 5000K
Other dimensions (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 400. XXX . XX
led color

LED

272 3,2W 2700K - 230V
302 3,2W 3000K - 230V

4000K / 5000K = on request

COLOR

21 Copper

Strouggi

Led wall light

350mA & 230V
3,2W

Mini Fanari

IP65

350mA

IK06

DESCRIPTION

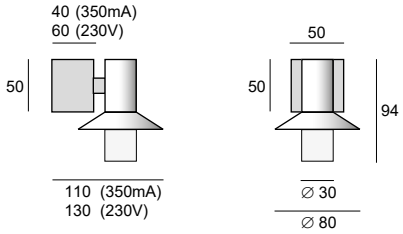
Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)
Degree of protection IP65 - IK06

ACCESSORIES

Led driver 350mA CC (not for 230V model)

ON REQUEST

Painted in RAL colors
Other led color: 4000K / 5000K



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 382. XX XX . XX
led power color

LED

27 2700K
30 3000K

4000K / 5000K = on request

POWER

2A 3,2W - 350mA
2B 3,2W - 230V

COLOR

02A Anodized black
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
• Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
• Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Mini Fanari

Led wall light

Also available as pendant light

On request: also available as garden light

230V
6W

Fanari

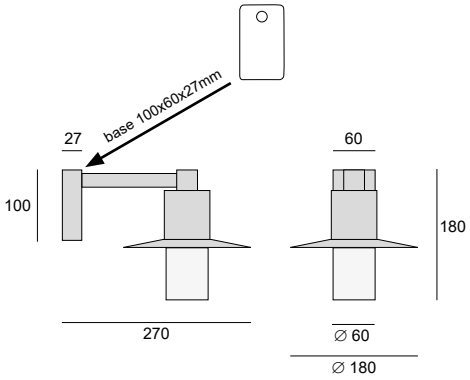
IP65
230V
IK06

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

ON REQUEST

Other RAL colors
Other led color: 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



code: 381. XX . XX
led color

DIMMABLE TRIAC

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

LED

27 6W 2700K - 230V
30 6W 3000K - 230V

COLOR

01 White
02A Anodized black
24 Corten
32 Anodized aluminum
33 Anodized bronze
34 Anodized matt gold
35 Anodized green
36 Anodized burgundy

6W 230V 4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Also available as pendant light

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Fanari

Led wall light

Alma Architects (Alexandra & Margarita SIMANTIRI) / Photography by Thomas GERASOPOULOS
Hotel Klostrá, Foinikia Oias, Santorini, Greece

230V
E27

Onyx D

IP65

230V

IK07

DESCRIPTION

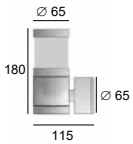
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Led Bulb E27

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 701.E2.XX

color

DIMMABLE

BULB

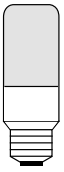
E2 E27 LED (max. diameter 48mm / height 125mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

00 Natural brushed aluminum
02 Black

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Onyx

Led wall light

Single + recessed box on request

Double luminaire on request

Up & down luminaire on request

230V
E27 / G9 / GU10

Manix D

IP65

230V

1,40

DESCRIPTION

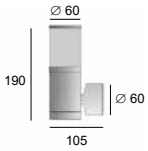
Body made in stainless steel, brass or copper
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 942.E2.04 DIMMABLE

BULB

E2 E27 LED (max. diameter 48mm / height 125mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

04 Brushed stainless steel
07 Brushed brass
21 Brushed copper

Manix G

IP65

230V

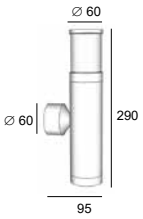
1,80

DESCRIPTION

Body made in stainless steel, brass or copper
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ON REQUEST

Other dimensions (customized)



code: 944.2G.04 DIMMABLE

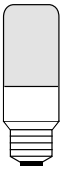
BULB

2G 1x G9 + 1x GU10 LED (max height 65mm)

COLOR

04 Brushed stainless steel
07 Brushed brass
21 Brushed copper

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Manix

Led wall light

Single + recessed box on request

Double + recessed box on request

Up & down luminaire on request

230V
E27 / G9 / GU10

Zebra D

0,5

IP65

230V

IK07

2,00

CE

DESCRIPTION

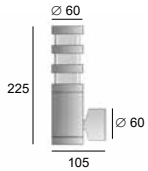
Body made in stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 761.E2.04 DIMMABLE

BULB

E2 E27 LED (max. diameter 37mm / height 160mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

04 Brushed stainless steel

Zebra G

0,5

IP65

230V

IK07

2,00

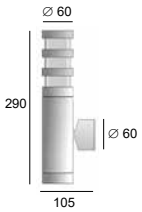
CE

DESCRIPTION

Body made in stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ON REQUEST

Other dimensions (customized)



code: 798.2G.04 DIMMABLE

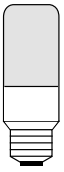
BULB

2G 1x G9 + 1x GU10 LED (max height 65mm)

COLOR

04 Brushed stainless steel

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Zebra

Led wall light

“Zebra Y” with angle 30° on request

Serie “Atrex Y” on request

Serie “Atrex G” on request

Serie “Atrex D” on request

230V
E27 / G9 / GU10

Atlantic D

IP65
230V
IK07

DESCRIPTION

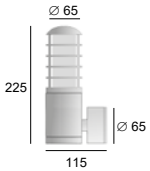
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Led Bulb E27

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 761.E2.04 DIMMABLE

BULB

E2 E27 LED (max. diameter 37mm / height 160mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

00 Natural brushed aluminum
02 Black

Atlantic G

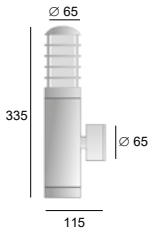
IP65
230V
IK07

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)



code: 773.2G.04 DIMMABLE

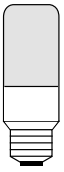
BULB

2G 1x G9 + 1x GU10 LED (max height 80mm)

COLOR

00 Natural brushed aluminum
02 Black

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Atlantic

Led wall light

Serie “Atrex” on request

230V
E27

Sumo D

0,5

IP65

230V

IK07

3,50

DESCRIPTION

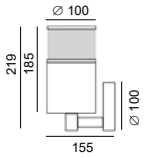
Body made in stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 972.E2.04 DIMMABLE

BULB

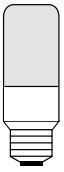
E2 E27 LED (max. diameter 49mm / height 137mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

04 Brushed stainless steel

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Sumo
Led wall light

DESCRIPTION

Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

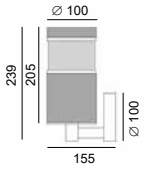
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

Sumo RD

IP65
230V
IK07



code: 962.E2.41

DIMMABLE

BULB

E2 E27 LED (max. diameter 52mm / height 137mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

41 Belgian Pierre

230V
E27

Spirit RD

IP65
230V
IK07

DESCRIPTION

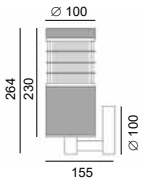
Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 953.E2.41 DIMMABLE

BULB

E2 E27 LED (max. diameter 52mm / height 160mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

41 Belgian Pierre

Spirit KD

IP65
230V
IK07

DESCRIPTION

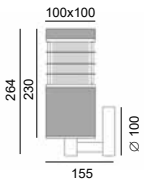
Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



code: 950.E2.41 DIMMABLE

BULB

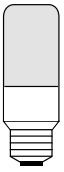
E2 E27 LED (max. diameter 52mm / height 160mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

41 Belgian Pierre

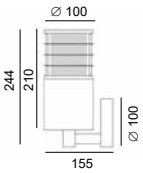
Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Spirit
Led wall light



DESCRIPTION

Body made in stainless steel
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

IP65
230V
IK07

Spirit D

code: 970.E2.04 DIMMABLE

BULB

E2 E27 LED (max. diameter 49mm / height 160mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

04 Brushed stainless steel

Serie “Atrex RD” on request

Serie “Atrex KD” on request

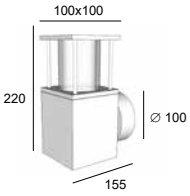
230V
E27

Poeme D

IP65

230V

IK07



code: 8019.E27.XX

color

DIMMABLE

DESCRIPTION

Body made in aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass

ACCESSORIES

Led Bulb E27

ON REQUEST

Other RAL colors
Other socket for LED (G9, G4, E14 …)

BULB

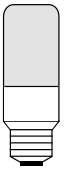
E27 LED (max. diameter 53mm / height 145mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

02 Black
39 Grey

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Poeme

Led wall light

230V
E27

Cambridge A

IP45
230V
1,60

DESCRIPTION

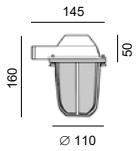
Body made in casted brass
Screws in brass
Safety sandblasted glass
Degree of protection IP45

ACCESSORIES

Led Bulb E27

ON REQUEST

Other socket for LED (G9, G4, E14 …)



code: 114.5.07 DIMMABLE

BULB

E27 LED (max. diameter 50mm / height 137mm)

COLOR

07 Natural brass

Other socket for LED (G9, G4, E14,...) = on request

Cambridge B

IP45
230V
2,55

DESCRIPTION

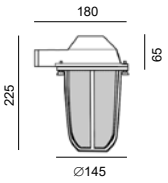
Body made in casted brass
Screws in brass
Safety sandblasted glass
Degree of protection IP45

ACCESSORIES

Led Bulb E27

ON REQUEST

Other socket for LED (G9, G4, E14 …)



code: 117.5.07 DIMMABLE

BULB

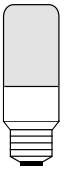
E27 LED (max. diameter 65mm / height 170mm)

COLOR

07 Natural brass

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Cambridge

Led wall light

230V
E27

Marina-O

IP54

230V

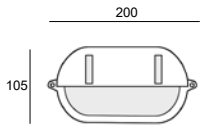
IK04

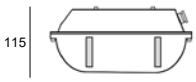
DESCRIPTION

Body made in casted brass
Screws in stainless steel
Degree of protection IP54
Safety clear glass

ACCESSORIES

Led Bulb E27





code: 709.E2.07 DIMMABLE

BULB

E2 E27 LED (max. diameter 40mm / height 120mm)

COLOR

07 Natural brass

Accessory

code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Marina

Led wall light

DESCRIPTION

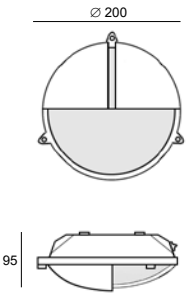
Body made in casted brass
Screws in stainless steel
Degree of protection IP54
Safety clear glass

ACCESSORIES

Led Bulb E27

IP54
230V
IK04

Marina-R



code: 725.E2.07 DIMMABLE

BULB

E2 E27 LED (max. diameter 40mm / height 120mm)

COLOR

07 Natural brass

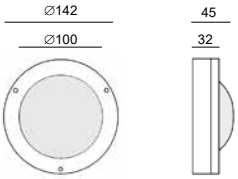
230V
G9 & Led 4W

Cobus A

IP65
230V
IK03

code: 1134 . XXX . XX
led bulb
color

DIMMABLE

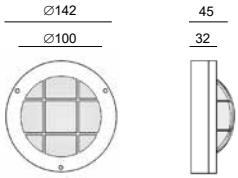


Cobus B

IP65
230V
IK03

code: 1138 . XXX . XX
led bulb
color

DIMMABLE

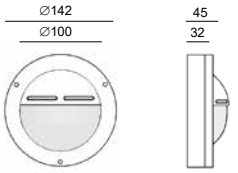


Cobus C

IP65
230V
IK03

code: 1135 . XXX . XX
led bulb
color

DIMMABLE

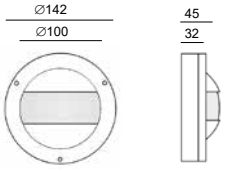


Cobus D

IP65
230V
IK03

code: 1137 . XXX . XX
led bulb
color

DIMMABLE



LED / BULB

G9	G9 LED (max. diameter 20mm / lenght 65mm)
W40	Led 4W 230V - 2700K

LED 4W 3000K / 4000K = on request

COLOR

00	Natural aluminum
01	White
02	Black
07	Natural brass
39	Grey

Cobus
Led wall light

max. efficacity 85lm/W

Typical luminous flux (lm)	
	4W
2700 K	315
3000 K	320
4000 K	340

DESCRIPTION

Body made in cast aluminum or brass
Screws in stainless steel
Degree of protection IP65
Safety sandblasted glass
Available with dimmable led 230V incorporated

ON REQUEST

Other RAL colors
Only for led 4W 230V : 3000K / 4000K

230V
E27

Mani R

IP45

230V

IK02

DESCRIPTION

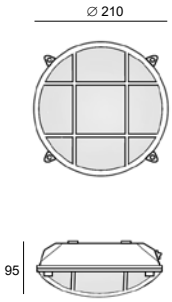
Body made in cast aluminum or brass
Screws in stainless steel
Degree of protection IP45
Safety sandblasted glass

ACCESSORIES

Led Bulb E27

ON REQUEST

Painted in RAL colors



code: 111.E27.XX

color

DIMMABLE

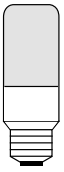
BULB

E27 E27 LED (max. diameter 45mm / height 137mm)

COLOR

00 Natural aluminum
07 Natural brass

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Mani R

Led wall light

230V
E27

Octus O

IP45
230V
IK02

DESCRIPTION

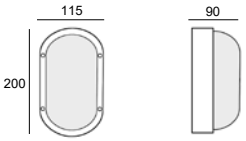
Body made in cast aluminum or brass
Screws in stainless steel
Degree of protection IP45
Safety sandblasted glass

ACCESSORIES

Led Bulb E27

ON REQUEST

Painted in RAL colors



Octus X

IP45
230V
IK02

DESCRIPTION

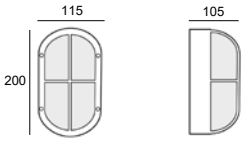
Body made in cast aluminum or brass
Screws in stainless steel
Degree of protection IP45
Safety sandblasted glass

ACCESSORIES

Led Bulb E27

ON REQUEST

Painted in RAL colors

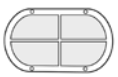


code: 1120A.XX
color

DIMMABLE

code: 1122A.XX
color

DIMMABLE



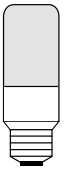
BULB

E27 LED (max. diameter 40mm / height 120mm)

COLOR

00 Natural brushed aluminum 0.9
07 Natural brass 1.4

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Octus

Led wall light

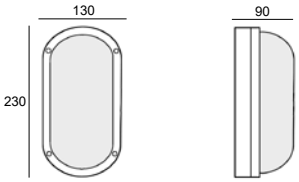
230V
E27 & Led 6W

Lotus A

IP54
230V
IK02

code: 120 . XXX . XX
led bulb
color

DIMMABLE

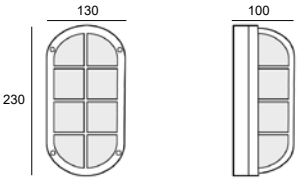


Lotus B

IP54
230V
IK02

code: 122 . XXX . XX
led bulb
color

DIMMABLE

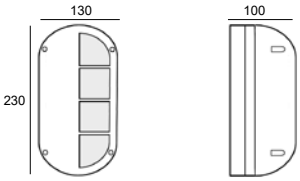


Lotus C

IP54
230V
IK02

code: 125 . XXX . XX
led bulb
color

DIMMABLE



LED / BULB

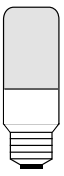
E27	E27 LED (max. diameter 45mm / height 120mm)
W40	Led 6W 230V - 3000K

Led 6W 2700K / 4000K = on request

COLOR

00	Natural aluminum
01	White
02	Black

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Achtung: Die Serie LOTUS wird nicht nach Deutschland geliefert.

Lotus

Led wall light

DESCRIPTION

Body made in cast aluminum
Screws in stainless steel
Degree of protection IP54
Safety sandblasted glass
Available with dimmable led 230V incorporated

ACCESSORIES

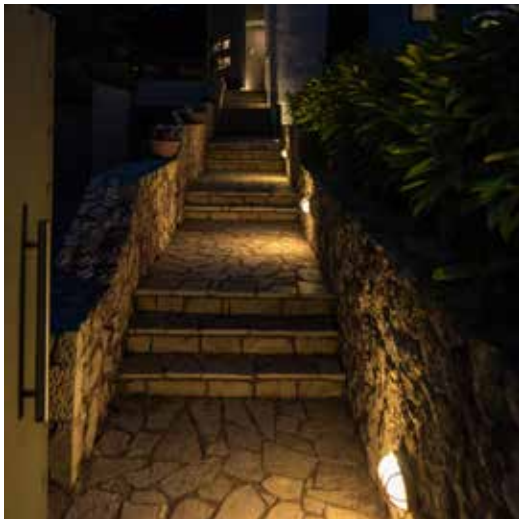
Led Bulb E27

ON REQUEST

Other RAL colors
Only for led 6W 230V : 2700K / 4000K

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480



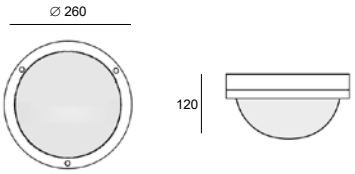
230V
E27 & Led 6W

Lotus D

IP54
230V
IK02

code: 134 . XXX . XX
led bulb
color

DIMMABLE

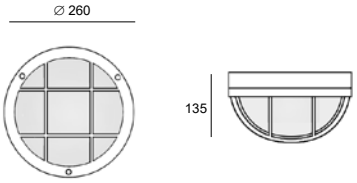


Lotus E

IP54
230V
IK02

code: 138 . XXX . XX
led bulb
color

DIMMABLE



max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

LED / BULB

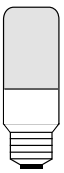
E27 E27 LED (max. diameter 45mm / height 137mm)
W40 Led 6W 230V - 3000K

Led 6W 2700K / 4000K = on request

COLOR

00 Natural aluminum
01 White
02 Black

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Achtung: Die Serie LOTUS wird nicht nach Deutschland geliefert.

Lotus

Led wall light

DESCRIPTION

Body made in cast aluminum
Screws in stainless steel
Degree of protection IP54
Safety sandblasted glass
Available with dimmable led 230V incorporated

ACCESSORIES

Led Bulb E27

ON REQUEST

Other RAL colors
Only for led 6W 230V : 2700K / 4000K

Maxima-GU

Exterior

Flood light

Swing

IP54

350mA

IK06

350mA
1W

DESCRIPTION

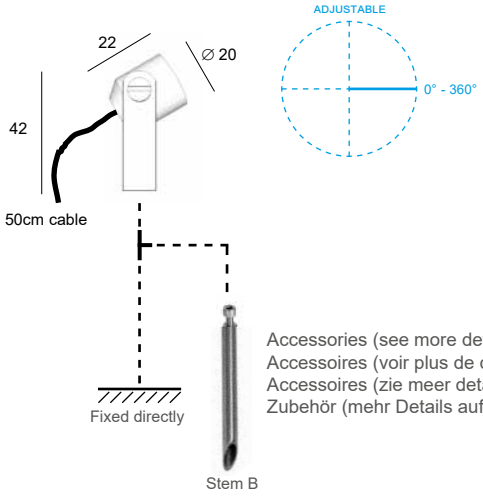
Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP54 - IK06
Safety clear plexiglass
Led 350mA CRI>80 3SDCM 50.000hrs L80 B10

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Stem with spike for ground fixing: Stem B
IP68 connection - Connex 4 ref: X083

ON REQUEST

Other anodized color
Other material: stainless steel 316L
Other led color: 2700K / 4000K



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

code: 312. 30 . XX
30 = led
XX = color

DIMMABLE

max. efficacity 137lm/W

Typical luminous flux (lm)	
	1W
2700 K	119
3000 K	125
4000 K	137

LED

30 1W 3000K 40°

COLOR

02A Anodized black
32 Anodized aluminum

2700K / 4000K = on request

Swing

Led flood light

stainless steel 316L
(on request)

1 x SWING code: 312.30.02A
1 x STEM B code: TI.050.SPK.04

Kozi S

IP68

350mA

IK06

DESCRIPTION

Body made in solid stainless steel, brass, copper or aluminum
Screws in stainless steel
Degree of protection IK06 - IP68, water depth up to 1m
Safety clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

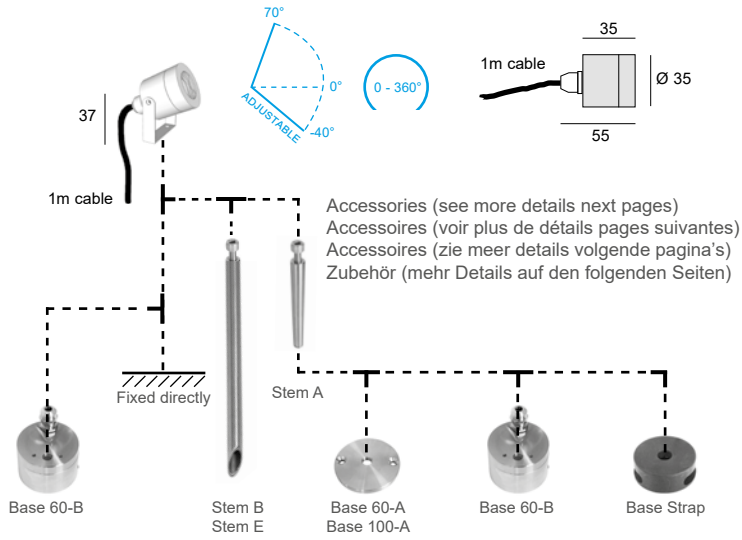
350mA
1,1W - 3,2W

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare ring - ref: AC.8042.AG._ _
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 3000K / 5000K
Other cable length (customized)



code: 8042. XXX . XX
led color

DIMMABLE

LED

D11	1,1W - 4000K - 10°
D13	1,1W - 4000K - 35°
D31	3,2W - 4000K - 35°
D32	3,2W - 4000K - 50°
W11	1,1W - 2700K - 10°
W13	1,1W - 2700K - 35°
W31	3,2W - 2700K - 35°
W32	3,2W - 2700K - 50°

3000K / 5000K = on request

For some applications, led 1,1W can be used with a driver 500mA
to obtain for example +/- 1,6W 10° 4000K 185 lumens

COLOR

02A	Anodized black	0.25
04	Brushed stainless steel	0.4
07	Brushed brass	0.8
21	Brushed copper	0.8

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

Kozi S

Led flood light

1 x KOZI S	code: 8042.W32.02A
1 x ANTI-GLARE 01	code: AC.8042.AG.02A
1 x STEM A	code: TI.010.M10A.02A
1 x BASE 60-A	code: BASE.060A.02A

1 x KOZI S	code: 8042.W32.04
1 x BASE 60-B	code: BASE.060B.04

1 x KOZI S	code: 8042.W32.21
1 x STEM B	code: TI.050.SPK.21

1 x KOZI S	code: 8042.W32.04
1 x STEM B	code: TI.020.SPK.04

230V
2x 3,2W

Anodized black

Anodized bronze

Brushed stainless steel

Kozi FL

Led flood light

DESCRIPTION

Body made in solid anodized aluminum or stainless steel
Screws in stainless steel
Degree of protection IP65 - IK06
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

ACCESSORIES

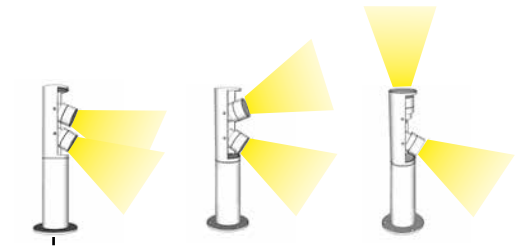
Spike for ground fixing - Pic 1 ref: 802.00.02
Anti-glare ring - ref: AC.8042.AG._ _

ON REQUEST

Other anodized color
Other led color: 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included
Other dimensions (customized)

IP65
230V
IK06

Kozi FL

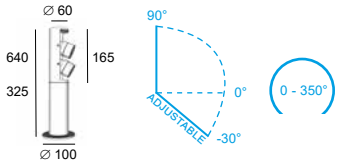


Fixed directly

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 1

max. efficacity 128lm/W



Typical luminous flux (lm)	
	2x 3,2W
2700 K	2x 355
3000 K	2x 370
4000 K	2x 395
5000 K	2x 410

code: 8043 . X XX . XX
height
led
color

HEIGHT

1	325mm
2	640mm

4000K / 5000K = on request
diffusion angle 35° = on request

LED

27	2 x 3,2W - 2700K - 50°
30	2 x 3,2W - 3000K - 50°

COLOR

02A	Anodized black
04	Brushed stainless steel
32D	Anodized aluminum
33	Anodized bronze

Sami

IP65

350mA

IK06

DESCRIPTION

Body made in copper
Degree of protection IP65 - IK06
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable

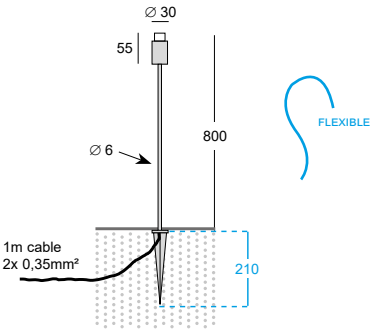
350mA
1,1W - 3,2W

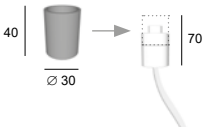
ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare ring - ref: 8031.AC01.21
IP68 connection - Connex 4 ref: X083

ON REQUEST

Other led color: 3000K / 5000K
Other dimensions (customized)
Base plate for ground/wall/ceiling fixing
Other cable length (customized)





Sami AG

code: 8031.AC01.21

Anti-glare accessory
Ø 30 mm Height: 40mm

code: 8031 . XXX . 21
led

DIMMABLE

max. efficacity 132lm/W

LED

D13 1,1W - 4000K
D32 3,2W - 4000K
W13 1,1W - 2700K
W32 3,2W - 2700K

3000K / 5000K = on request

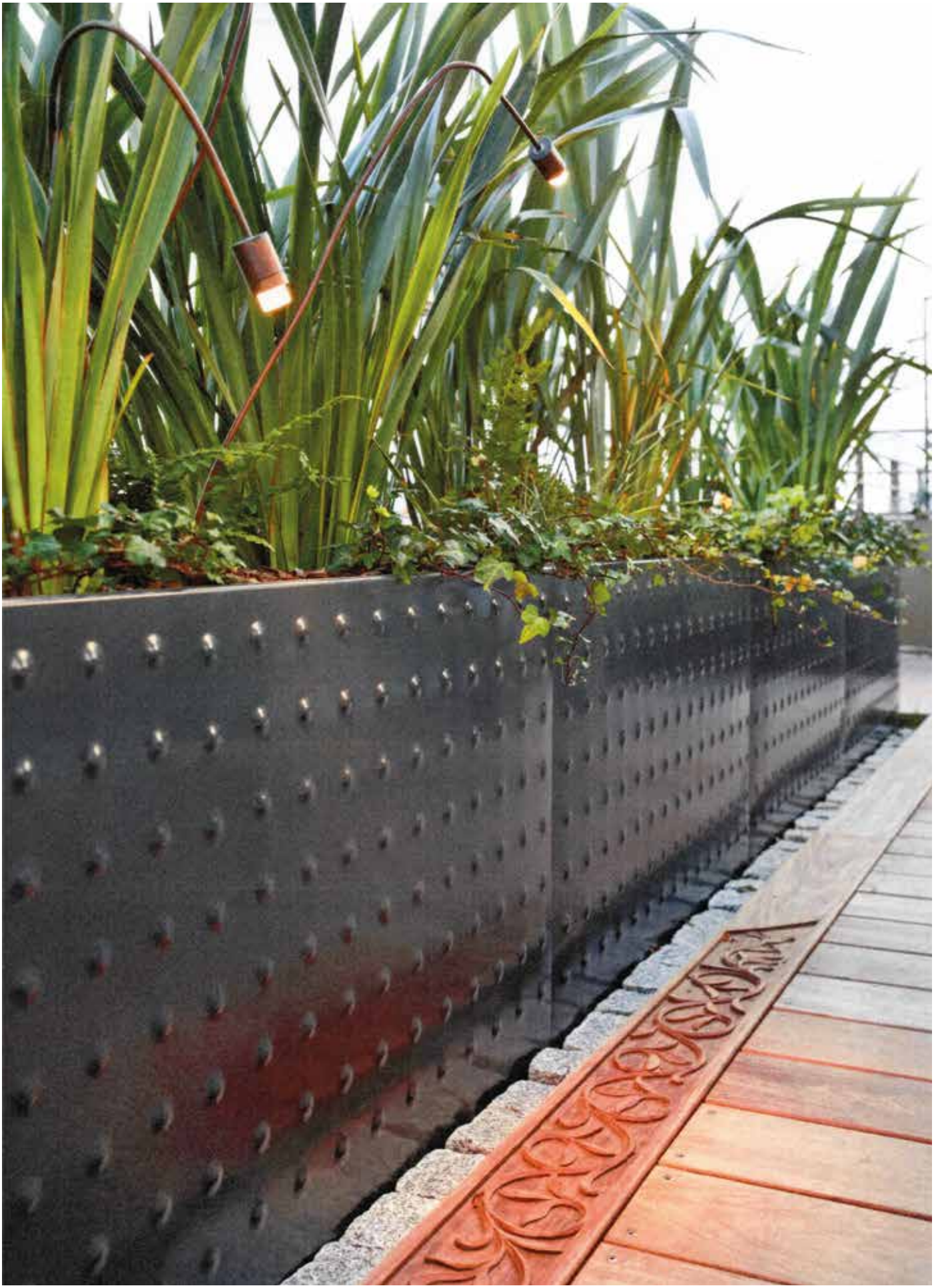
COLOR

21 Brushed copper

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

Sami

Led flood light



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Aménagement de la terrasse de la Suite Royale Orientale de l'Hôtel Mandarin Oriental Paris.

Sami-flex

DESCRIPTION

Body made in anodized aluminum
Flexible rod with polyolefin heat shrink tubing
Degree of protection IP65 - IK06
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable

ACCESSORIES

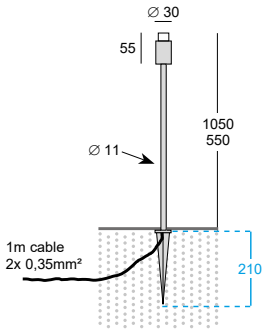
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare ring - ref: 7021.AC01.02A
IP68 connection - Connex 4 ref: X083

ON REQUEST

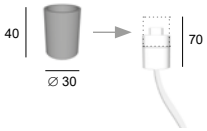
Other led color: 3000K / 5000K
Base plate for ground/wall/ceiling fixing
Other cable length (customized)

IP65
350mA
IK06

350mA
1,1W - 3,2W



The 1050mm version is completely flexible but unstable, it is necessary to find the point of balance during installation and maybe fixed one part of the rod.



Sami-flex AG

code: 7021.AC01.02A

Anti-glare accessory
Ø 30 mm Height: 40mm

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 7021. X XXX . 02A DIMMABLE

height | led | color

HEIGHT

1	550 mm
2	1050 mm

LED

D13	1,1W - 4000K
D32	3,2W - 4000K
W13	1,1W - 2700K
W32	3,2W - 2700K

COLOR

02A	Anodized black

3000K / 5000K = on request

Sami-flex

Led flood light

with Anti-glare ring ref: 7021.AC01.02A

on request

with Anti-glare ring ref: 7021.AC01.02A

Lena Pro-S-A

IP66

350mA

IK06

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

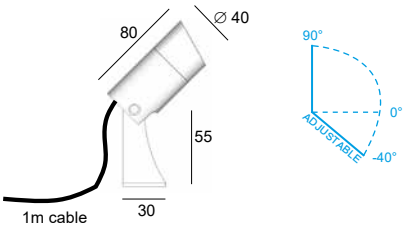
ACCESSORIES

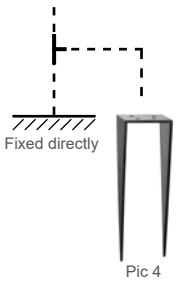
Led driver AC/CC from 200mA to 350mA
Led driver DC/CC (12-36VDC/200mA to 350mA)
Spike for ground fixing - Pic 4 ref: 804.04.02A
Anti-glare honeycomb - Louver ref: X060.029.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other cable length (customized)
Base for strap around a tree
Other anodized color

350mA
4,2W





Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 87lm/W

Typical luminous flux (lm)		
	200mA 2,3W	350mA 4,2W
2700 K	190	310
3000 K	200	325
4000 K	200	325

code: 7024A. XX XXX . XX

DIMMABLE

XX — led
XXX — power
XX — color

LED

27	2700K
30	3000K
40	4000K

POWER

410	4,2W - 10°
440	4,2W - 40°

COLOR

02A	Anodized black
32D	Anodized aluminum
33	Anodized bronze

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
• Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
• Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Lena PRO S-A

Led flood light

Lena Base for Strap
(on request)

Lena Pro-S-B

IP66

350mA

IK06

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

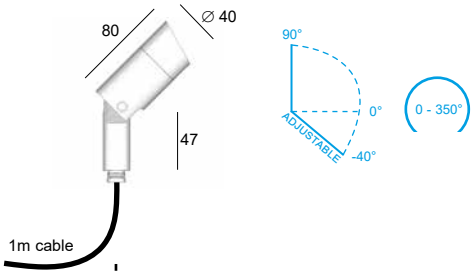
350mA
4,2W

ACCESSORIES

Led driver AC/CC from 200mA to 350mA
Led driver DC/CC (12-36VDC/200mA to 350mA)
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem D
Anti-glare honeycomb - Louver ref: X060.029.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other cable length (customized)
Other anodized color



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 87lm/W

Typical luminous flux (lm)		
	200mA 2,3W	350mA 4,2W
2700 K	190	310
3000 K	200	325
4000 K	200	325

code: 7024B. XX XXX . XX
XX — led
XXX — power
XX — color

DIMMABLE

LED

27	2700K
30	3000K
40	4000K

POWER

410	4,2W - 10°
440	4,2W - 40°

COLOR

02A	Anodized black
32D	Anodized aluminum
33	Anodized bronze

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Lena PRO S-B

Led flood light

1 x LENA PRO S-B code: 7024B.27440.33
with fixation M14, only for spécial project.

1 x LENA PRO S-B code: 7024B.27440.33
1 x BASE 50-B code: BASE.050B.33

1 x LENA PRO S-B code: 7024B.27440.02A
1 x BASE 100-L code: BASE.100L.02A
1 x DRIVER 6W code: DC006.0350.20D0

2 x LENA PRO S-B code: 7024B.27440.02A
1 x BASE 200-B code: BASE.200B.02A
1 x DRIVER 10W code: DC010.0350.65D1

1 x LENA PRO S-B code: 7024B.27440.02A
1 x STEM D code: TI20.050.SK.02A

2 x LENA PRO S-B code: 7024B.27440.02A
1 x BASE 100-C code: BASE.100C.02A
1 x DRIVER 10W code: DC010.0350.65D1

Lena Pro-M-A

IP66

500mA

IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Led COB 500mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

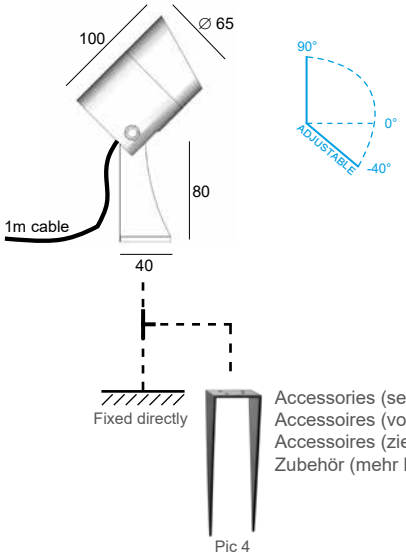
ACCESSORIES

Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Spike for ground fixing - Pic 4 ref: 804.04.02A
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 5000K
Other cable length (customized)
Base for strap around a tree
Other anodized color

500mA
9,5W



Pic 4

Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 141lm/W

Typical luminous flux (lm)		
	350mA 6W	500mA 9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 7025A. XX XXX . XX

DIMMABLE

XX = led, XXX = power, XX = color

LED

27	2700K
30	3000K
40	4000K

5000K = on request

POWER

910	9,5W - 10°
925	9,5W - 25°
940	9,5W - 40°

COLOR

02A	Anodized black
32D	Anodized aluminum
33	Anodized bronze

- Please refer to the information pages for the specific characteristics of anodised finishes.
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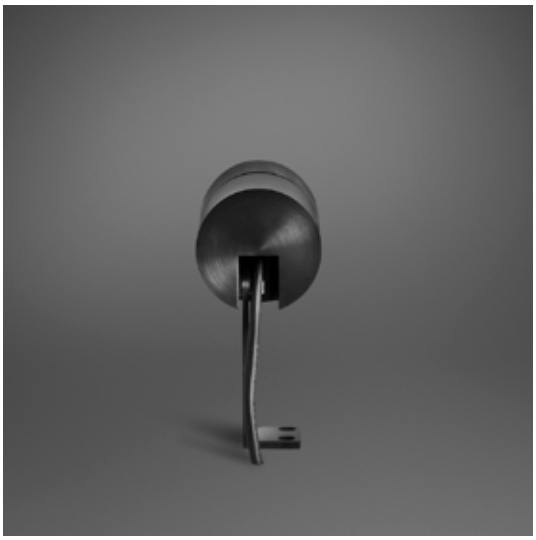
Lena PRO M-A

Led flood light



Lena Base for Strap
(on request)

Lena Pro-M-B

IP66

500mA

IK06

0,50

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Led COB 500mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

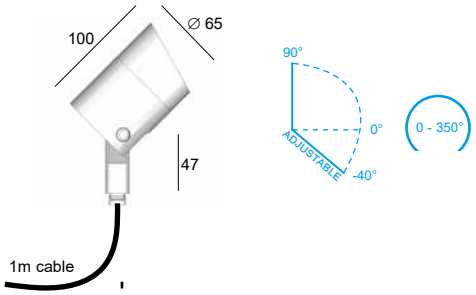
500mA
9,5W

ACCESSORIES

Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem D
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 5000K
Other cable length (customized)
Other anodized color



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 141lm/W

Typical luminous flux (lm)		
	350mA 6W	500mA 9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 7025B. XX XXX . XX
led | power | color

DIMMABLE

LED

27	2700K
30	3000K
40	4000K

5000K = on request

POWER

910	9,5W - 10°
925	9,5W - 25°
940	9,5W - 40°

COLOR

02A	Anodized black
32D	Anodized aluminum
33	Anodized bronze

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Lena PRO M-B

Led flood light

1 x LENA PRO M-B code: 7025B.27940.02A
1 x BASE 75-B code: BASE.075B.02A

1 x LENA PRO M-B code: 7025B.27940.02A
1 x STEM C code: TI20.050.M1.02A
1 x BASE 75-B code: BASE.075B.02A

1 x LENA PRO M-B code: 7025B.27940.02A
1 x BASE 75-A code: BASE.075A.02A

1 x LENA PRO M-B code: 7025B.27940.33
1 x BASE 100-L code: BASE.100L.33
1 x DRIVER 10W code: DC010.0500.65D0

2 x LENA PRO M-B code: 7025B.27940.33
1 x BASE 200-B code: BASE.200B.33
2 x DRIVER 6W code: DC006.0350.20D0

Lena GU-A

IP66

230V

IK07

0,70

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Provided with 1m cable

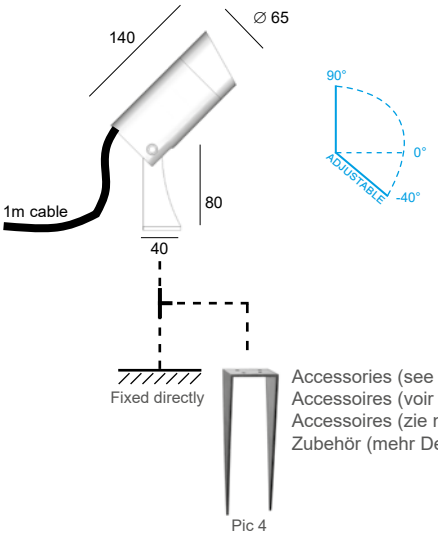
ACCESSORIES

Spike for ground fixing - Pic 4 ref: 804.04.02A
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other cable length (customized)
Base for strap around a tree
Other anodized color

230V
GU10



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

Pic 4

code: 7026A. GU . XX

color

DIMMABLE

BULB

GU GU10 LED (max. height 58mm)

COLOR

02A Anodized black
32D Anodized aluminum
33 Anodized bronze

• Please refer to the information pages for the specific characteristics of anodised finishes.
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Lena GU-A

Led flood light

Lena Base for Strap
(on request)

Lena GU-B

230V
GU10

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
With anti-glare ring included
Safety clear plexiglass
Provided with 1m cable

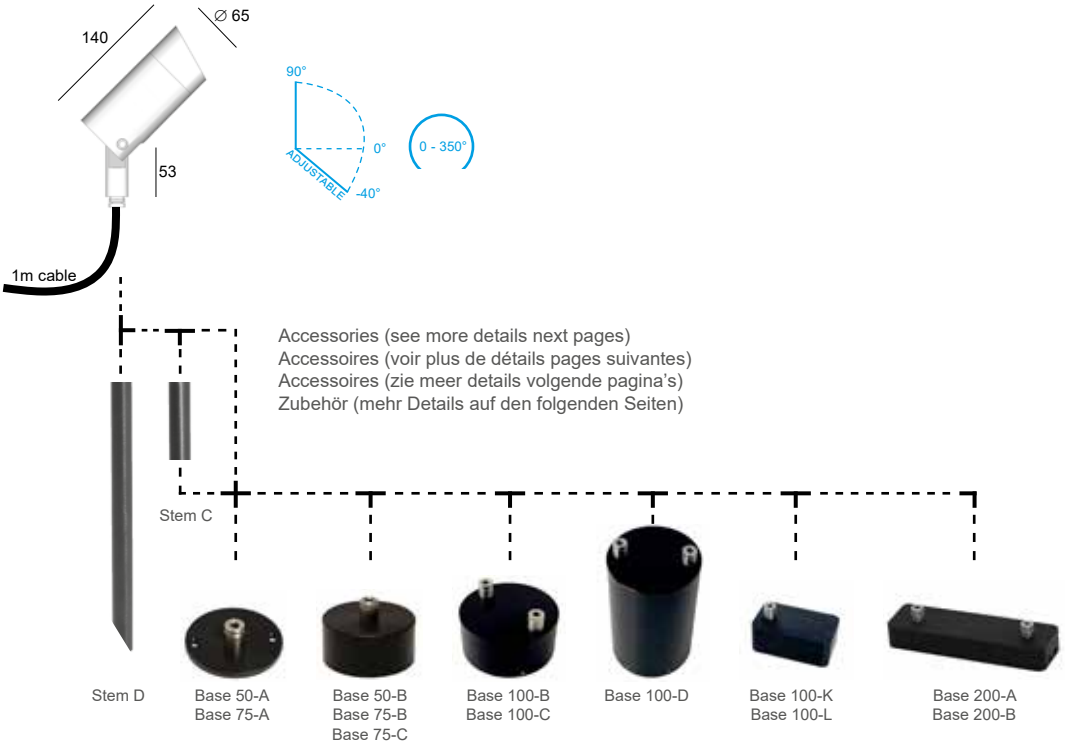
IP66
230V
IK07

ACCESSORIES

Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem D
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other cable length (customized)
Other anodized color



code: 7026B. GU . XX

color

DIMMABLE

BULB

GU GU10 LED (max. height 58mm)

COLOR

02A Anodized black
32D Anodized aluminum
33 Anodized bronze

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
• Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
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Lena GU-B

Led flood light

1 x LENA GU-B code: 7026B.GU.32D
1 x BASE 75-B code: BASE.075B.32D

2 x LENA GU-B code: 7026B.GU.02A
1 x BASE 200-A code: BASE.200A.02A

2 x LENA GU-B code: 7026B.GU.33
1 x BASE 100-B code: BASE.100B.33

2 x LENA GU-B code: 7026B.GU.02A
1 x STEM C code: TI20.050.M1.02A
1 x STEM C code: TI20.020.M1.02A
1 x BASE 100-D code: BASE.100D.02A

2 x LENA GU-B code: 7026B.GU.32D
1 x STEM C code: TI20.050.M1.32D
1 x STEM C code: TI20.020.M1.32D
1 x BASE 100-D code: BASE.100D.32D

Maxima-50

DESCRIPTION

Body made in solid stainless steel, copper or aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

230V
4W

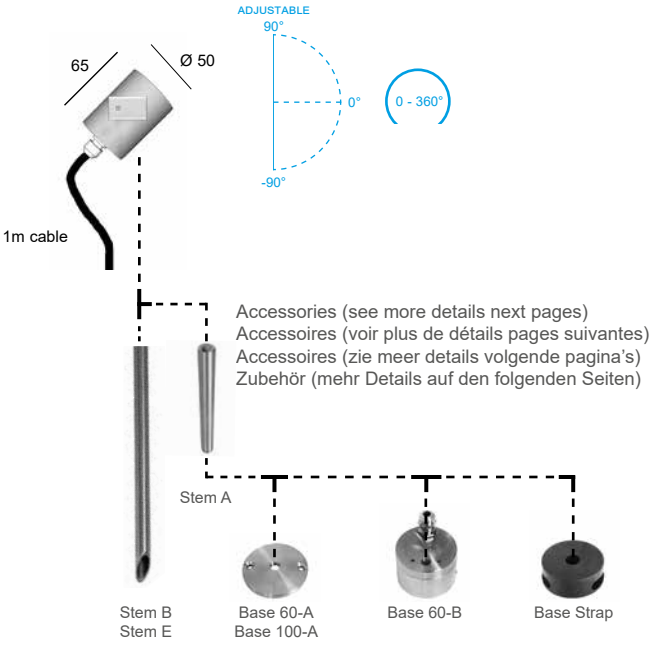
ACCESSORIES

Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
IP68 connection - Connex 2 / 3 / 4 / 6

IP65
230V
IK07

ON REQUEST

Other anodized color
Other material: brushed brass
Other led color: 3000K / 4000K
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



code: 7004. W27 . XX
color

DIMMABLE TRIAC

max. efficacity 85lm/W

LED

W27 4W 230V - 2700K - 70°

COLOR

02A	Anodized black	0.4
04	Brushed stainless steel	0.75
21	Brushed copper	0.8
32	Anodized aluminum	0.4

Typical luminous flux (lm)	
	4W
2700 K	315
3000 K	320
4000 K	340

3000K / 4000K = on request
3,2W or 6W 350mA : 2700K / 3000K / 4000K / 5000K = on request

Maxima 50

Led flood light

1 x MAXIMA 50 code: 7004.W27.21
1 x STEM B code: TI.050.SPK.21

1 x MAXIMA 50 code: 7004.W27.02A
1 x STEM E code: TI12.080.Z.02A

1 x MAXIMA 50 code: 7004.W27.04
1 x STEM A code: TI.010.M10A.04
1 x BASE 60-A code: BASE.060A.04

Maxima-65

DESCRIPTION

Body made in solid stainless steel, brass or aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety clear plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

230V
6W

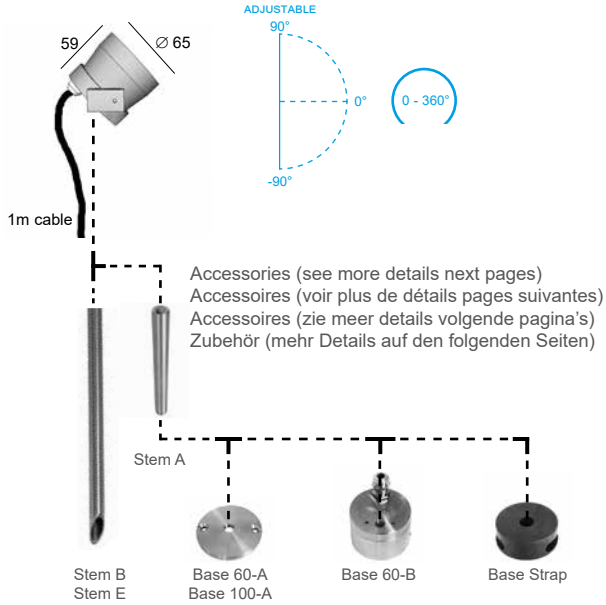
ACCESSORIES

Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare ring - ref: AC.7002.AG._ _
Anti-glare honeycomb - Louver ref: X060.043.3
IP68 connection - Connex 2 / 3 / 4 / 6

IP65
230V
IK06

ON REQUEST

Other anodized color
Other led color: 4000K
Other beam angle: 50°
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other cable length (customized)



code: 7002. XXX . XX
led color

DIMMABLE TRIAC

LED

W11	6W 230V - 2700K - 15°
W12	6W 230V - 2700K - 36°
W21	6W 230V - 3000K - 15°
W22	6W 230V - 3000K - 36°

COLOR

02A	Anodized black	0.55
04	Brushed stainless steel	0.95
07	Brushed brass	1
32	Anodized aluminum	0.55

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

50° = on request
4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

Maxima 65

Led flood light

1 x MAXIMA 65 code: 7002.W22.07
1 x STEM A code: TI.010.M10A.07
1 x BASE 60-A code: BASE.060A.02A

1 x MAXIMA 65 code: 7002.W22.04
1 x STEM B code: TI.050.SPK.04

2 x MAXIMA 65 code: 7002.W22.02A
2 x ANTI-GLARE 03 code: AC.7002.AG.02A
1 x STEM B code: TI.100.SPK.02A

Maxima-100

IP65
230V
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK07
Safety clear plexiglass
Led 230V 10W CRI>90 3SDCM 54.000hrs L80 B10
Led 230V 20W CRI>80 3SDCM 42.000hrs L70 B10
Provided with 1m cable

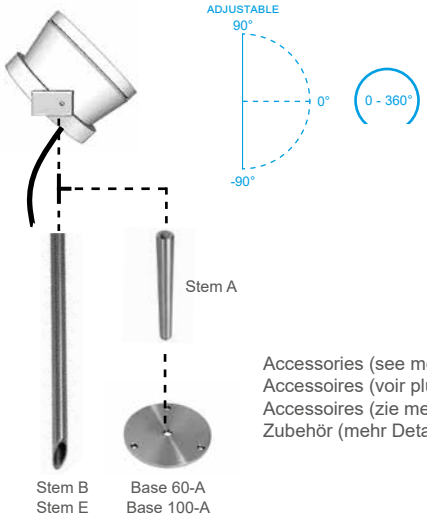
230V
10W - 20W

ACCESSORIES

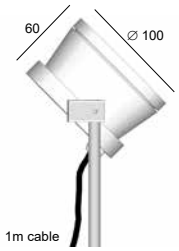
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare ring - ref: AC.7003.AG._ _
Anti-glare honeycomb - Louver ref: X060.082.3
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

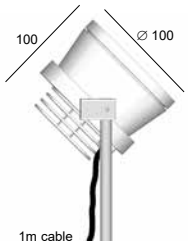
Other anodized color
Other cable length (customized)
Led 10W 230V 2700K / 4000K
Led 24W 700mA 2700K / 3000K / 4000K / 5000K



With Led 10W



With Led 20W



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

code: 7003. XXX . XX
led color

DIMMABLE TRIAC

max. efficacity 102lm/W

LED

W11 10W 230V - 3000K - 16°
W12 10W 230V - 3000K - 40°
W21 20W 230V - 3000K - 16°
W22 20W 230V - 3000K - 40°

COLOR

02A Anodized black
32 Anodized aluminum

Typical luminous flux (lm)		
	10W	20W
2700 K	930	
3000 K	950	1800
4000 K	1020	

Led 10W 2700K / 4000K = on request
24W 700mA 2700K / 3000K / 4000K / 5000K = on request

Maxima 100

Led flood light

1 x MAXIMA 100 code: 7003.W12.02A
1 x LOUVER code: X060.082.3
1 x STEM B code: TI.100.SPK.02A

1 x MAXIMA 100 code: 7003.W12.02A
1 x ANTI-GLARE 04 code: AC.7003.AG.02A
1 x STEM A code: TI.010.M10A.02A
1 x BASE 100-A code: BASE.100A.02A

Maxima-GU

DESCRIPTION

Body made in solid stainless steel, brass, copper or aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
Safety clear plexiglass
Provided with 1m cable

230V
GU10

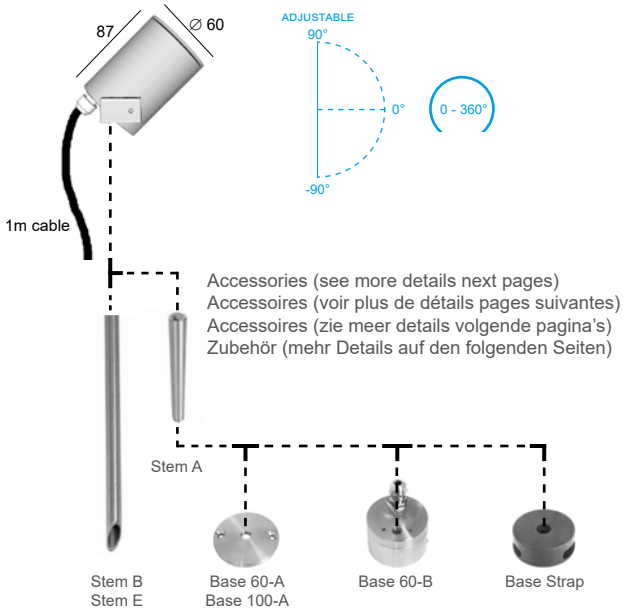
IP66
230V
IK07

ACCESSORIES

Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare ring - ref: AC.7001.AG._ _
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other anodized color
Other cable length (customized)



code: 7001. GU . XX
color

DIMMABLE

BULB

GU	GU10 LED (max. height 58mm)

COLOR

02A	Anodized black	0.6
04	Brushed stainless steel	1.0
07	Brushed brass	1.0
21	Brushed copper	1.1
32	Anodized aluminum	0.6

- Please refer to the information pages for the specific characteristics of anodised finishes.
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- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Maxima GU

Led flood light

3 x MAXIMA-GU code: 7001.GU.02A
3 x STEM B code: TI.100.SPK.02A

3 x MAXIMA-GU code: 7001.GU.02A
3 x STEM B code: TI.100.SPK.02A

2 x MAXIMA-50 code: 7004.W27.21
1 x LINE-UP code: 7007.050.21

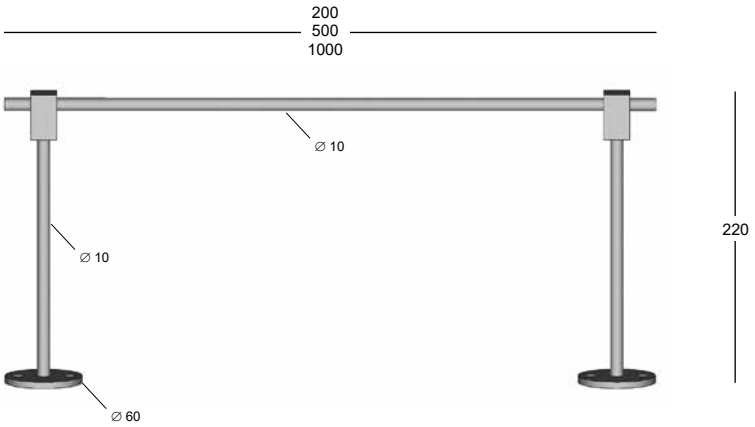
Line-Up

DESCRIPTION

Body made in solid stainless steel, brass, copper or aluminum
Screws in stainless steel

ON REQUEST

Other dimensions (customized)
Other anodized color



code: 7007. XXX . XX
height
color

LENGTH

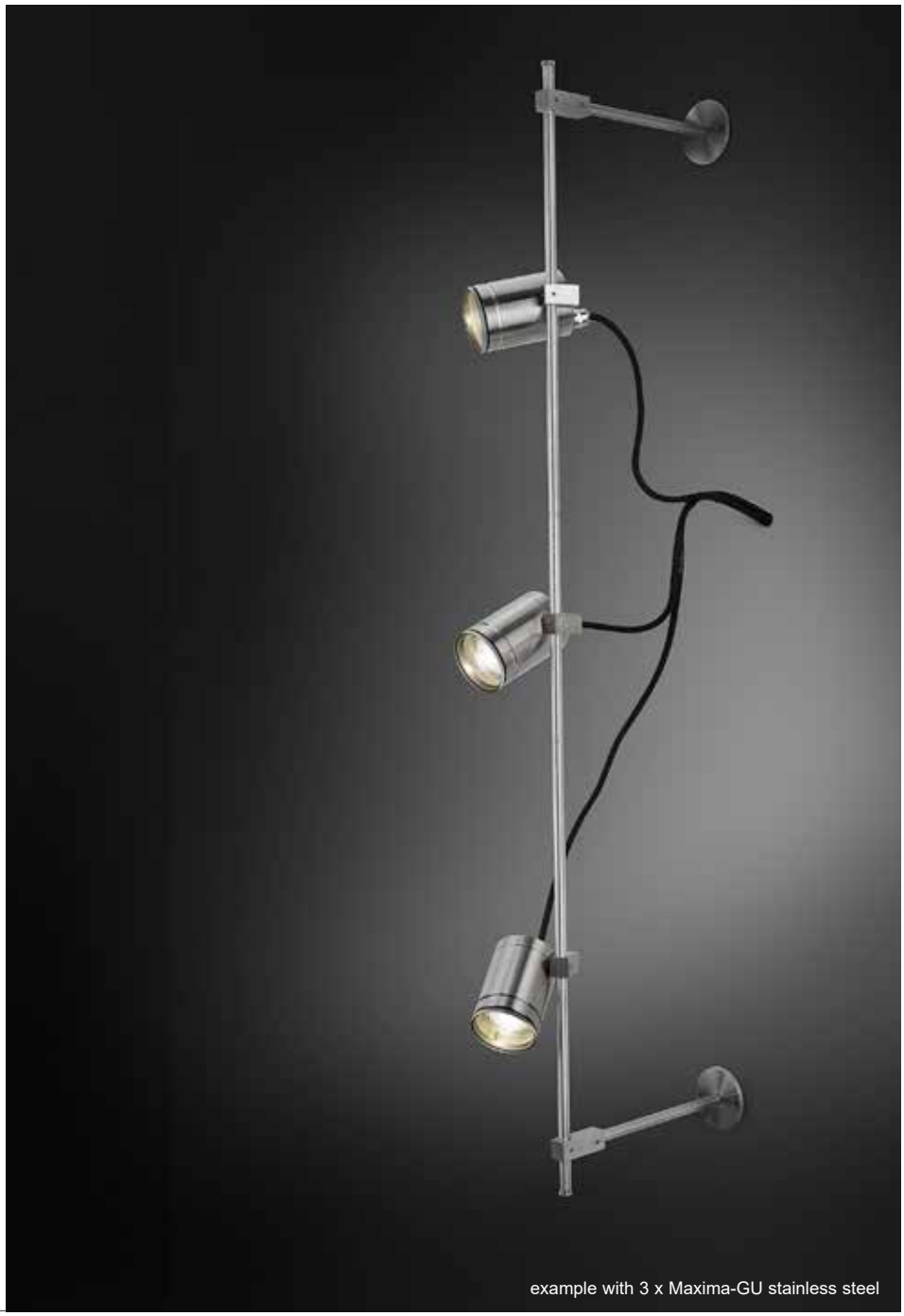
020	200 mm
050	500 mm
100	1000 mm

COLOR

02A	Anodized black
04	Brushed stainless steel
07	Brushed brass
21	Brushed copper
32	Anodized aluminum

Line-Up

To use with «Maxima» flood light



example with 3 x Maxima-GU stainless steel

3 x MAXIMA-GU	code: 7001.GU.04
1 x LINE-UP	code: 7007.100.04

only available with the following floodlights

Maxima-50	Maxima-65	Maxima-100	Maxima-GU

230V
6W - 10W

Welex C1

IP65
230V
IK06

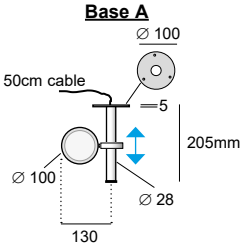
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

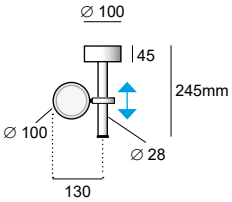
ON REQUEST

Another anodized color combination
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

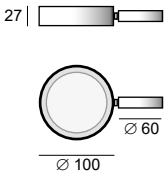
Base A



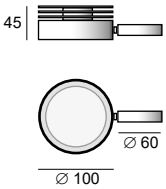
Base B

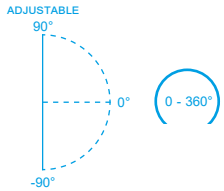


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 395 X . XXX . XX
DIMMABLE TRIAC
base
led
color

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A Base A = height 5mm
B Base B = height 45mm

LED

272 6W 2700K - 230V
273 10W 2700K - 230V
302 6W 3000K - 230V
303 10W 3000K - 230V

COLOR

02A Anodized black
34 Anodized matt gold
36 Anodized burgundy

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
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Welex C1

Led flood light

other color combination = on request

230V
12W - 20W

Welex C2

IP65
230V
IK06

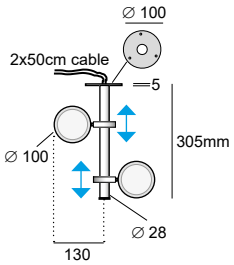
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK06

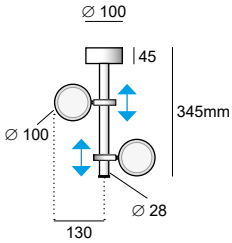
ON REQUEST

Another anodized color combination
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

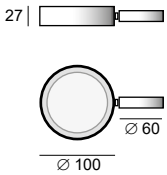
Base A



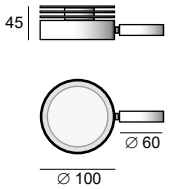
Base B

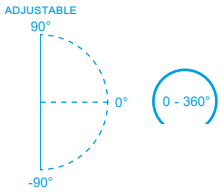


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 396 **X** . **XXX** . **XX**
base | led | color

DIMMABLE TRIAC

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A Base A = height 5mm
B Base B = height 45mm

LED

272 2x 6W 2700K - 230V
273 2x 10W 2700K - 230V
302 2x 6W 3000K - 230V
303 2x 10W 3000K - 230V

COLOR

02A Anodized black
34 Anodized matt gold
36 Anodized burgundy

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
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Welex C2

Led flood light

230V
6W - 10W

Welex F1

IP65
230V
IK06

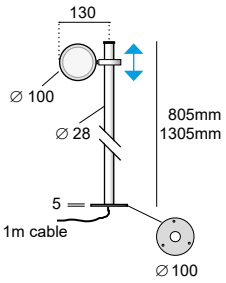
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable
Degree of protection IP65 - IK06

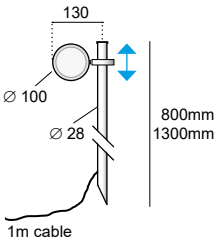
ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

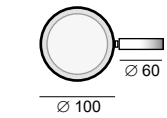
Base A



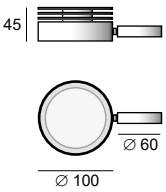
Base S (spike)

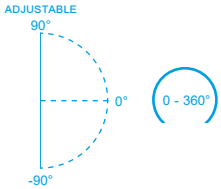


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 397 XX . XXX . XX
DIMMABLE TRIAC
base
led
color

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A1	Base A + rod : 800mm
A2	Base A + rod : 1300mm
S1	Rod with spike : 800mm
S2	Rod with spike : 1300mm

LED

272	6W 2700K - 230V
273	10W 2700K - 230V
302	6W 3000K - 230V
303	10W 3000K - 230V

COLOR

02A	Anodized black

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
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Welex F1

Led flood light

230V
12W - 20W

Welex F2

IP65
230V
IK06

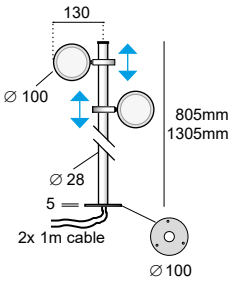
DESCRIPTION

Body made in anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable
Degree of protection IP65 - IK06

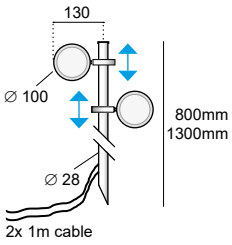
ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other dimensions (customized)

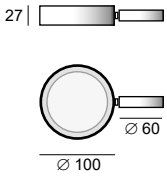
Base A



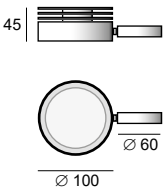
Base S (spike)

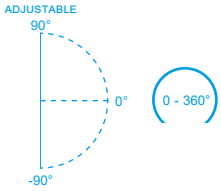


Spot 6W
dimension



Spot 10W
dimension





max. efficacity 102lm/W

code: 398 XX . XXX . XX
DIMMABLE TRIAC
base
led
color

	Typical luminous flux (lm)		
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

TYPE OF BASE

A1 Base A + rod : 800mm
A2 Base A + rod : 1300mm
S1 Rod with spike : 800mm
S2 Rod with spike : 1300mm

LED

272 2x 6W 2700K - 230V
273 2x 10W 2700K - 230V
302 2x 6W 3000K - 230V
303 2x 10W 3000K - 230V

COLOR

02A Anodized black

4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
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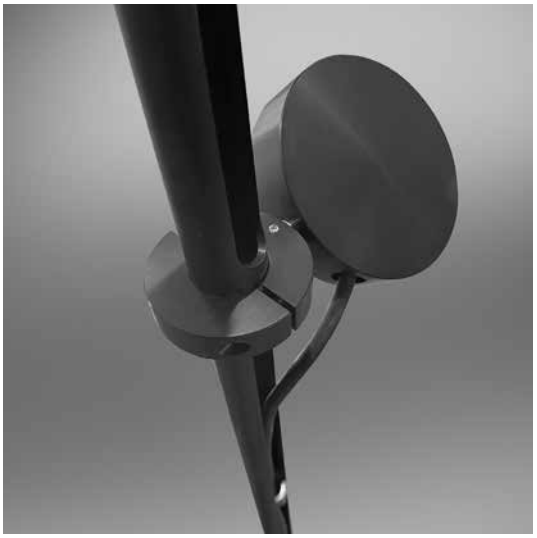
Welex F2

Led flood light



Cylinder S

IP66

230V

IK07

DESCRIPTION

Body made in solid stainless steel, brass, copper or aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
Safety clear plexiglass
Provided with 1m cable

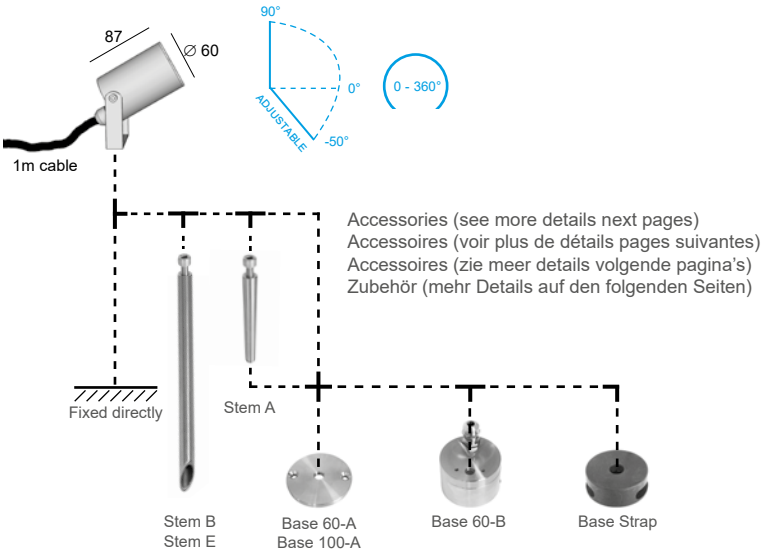
ACCESSORIES

Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare ring - ref: AC.7001.AG._ _
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other anodized color
Painted in RAL colors
Other cable length (customized)

230V
GU10



code: 240. GU . XX

color

DIMMABLE

BULB

GU	GU10 LED (max. height 58mm)

COLOR

02A	Anodized black	0.4
04	Brushed stainless steel	0.7
07	Brushed brass	0.8
21	Brushed copper	0.8
32	Anodized aluminum	0.4

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
• Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
• Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Cylinder S

Led flood light

1 x CYLINDER S code: 240.GU.04
1 x STEM B code: TI.100.SPK.04

1 x CYLINDER S code: 240.GU.04
1 x BASE 60-B code: BASE.060B.04

230V
GU10

Max FL

IP65

230V

IK07

DESCRIPTION

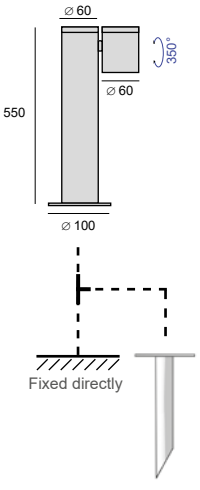
Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Available with 2 adjustable spotlights



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 975. GU . XX
color

DIMMABLE

BULB

GU GU10 LED (max. height 56mm)

COLOR

02 Black
04 Brushed stainless steel
07 Brushed brass
21 Brushed copper
32 Anodized aluminum
39 Grey

• Please refer to the information pages for the specific characteristics of anodised finishes.
• Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
• Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
• Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
• Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Max FL

Led flood light

230V
6W - 10W

Saturn Led

IP67
230V
IK10

DESCRIPTION

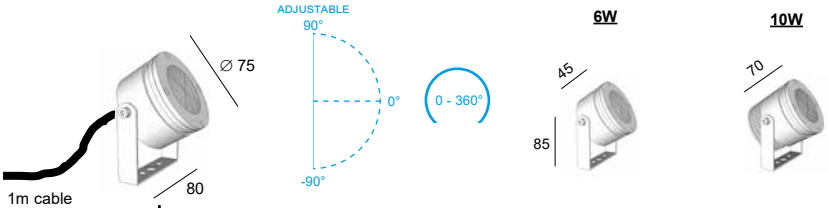
Body made in solid stainless steel, brass or aluminum
Screws in stainless steel
Degree of protection IP67 - IK10
Safety extra clear glass 10mm thickness
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

ACCESSORIES

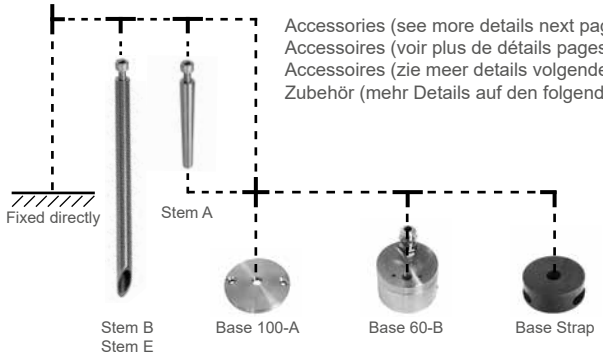
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare honeycomb - Louver ref: X060.043.3
Anti-glare ring - ref: AC.8029.AG._ _
IP68 connection - Connex 2 / 3 / 4 / 5

ON REQUEST

Other anodized color
Other led color: 2700K / 4000K
Other beam angle: 50°
Other cable length (customized)



with Anti-glare ring



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

code: 7006. XXX . XX
led color

DIMMABLE TRIAC

max. efficacity 102lm/W

LED

W21	6W 230V - 3000K - 15°
W22	6W 230V - 3000K - 36°
W41	10W 230V - 3000K - 15°
W42	10W 230V - 3000K - 36°

50° = on request
2700K / 4000K = on request

COLOR

02A	Anodized black
07	Brushed brass
16	Brushed stainless steel 316L
32	Anodized aluminum

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

Saturn Led

Led flood light

350-500mA
6W - 17W

Saturn HP led

IP68
IK10

DESCRIPTION

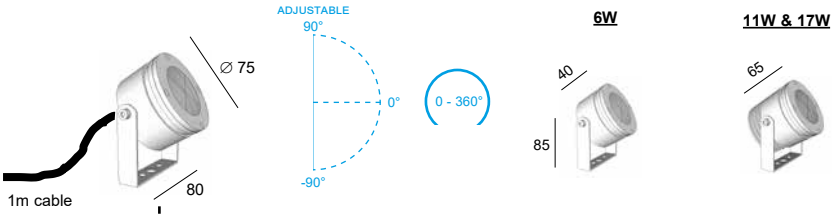
Body made in solid stainless steel, brass or aluminum
Screws in stainless steel
Degree of protection IP68 - IK10
Safety extra clear glass 10mm thickness
Led module CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

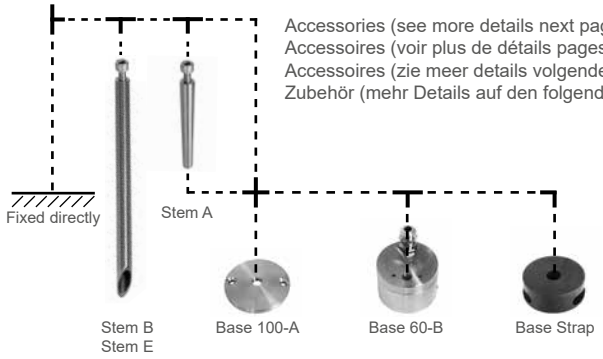
ACCESSORIES

Led driver AC/CC 350mA or 500mA CC
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare honeycomb - Louver ref: X060.043.3
Anti-glare ring - ref: AC.8029.AG._ _
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Other led color: 3000K / 5000K
Other beam angle: 36°
Other cable length (customized)





max. efficacity 142lm/W

code: 8029.A XXX. XX

Led
Power
Angle
Color

DIMMABLE

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

LED

D	4000K
W	2700K

POWER

0	6W - 350mA
1	11W - 350mA
2	17W - 500mA

ANGLE

1	15°
3	50°

COLOR

02A	Anodized black
07	Brushed brass
16	Brushed stainless steel 316L
32	Anodized aluminum

36° = on request
3000K / 5000K = on request

Saturn HP Led

Led flood light

with Anti-glare ring

230V
6W - 17W

Saturn HP led 230V

IP65
230V
IK10

DESCRIPTION

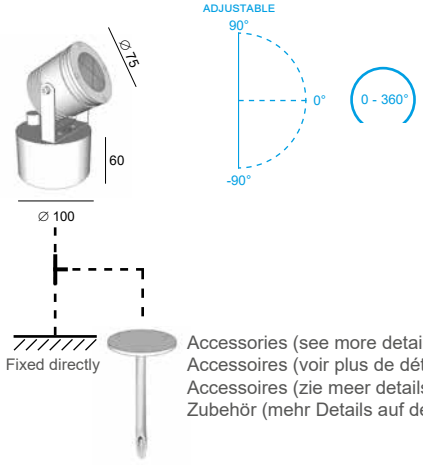
Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP65 - IK10
Safety extra clear glass 10mm thickness
Led module CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

ACCESSORIES

Spike for ground fixing - Pic 3 ref: 804.00.32
Anti-glare honeycomb - Louver ref: X060.043.3
Anti-glare ring - ref: AC.8029.AG._ _

ON REQUEST

Other anodized color
Other material: brass / s-steel 316L
Other led color: 3000K / 5000K
Other beam angle: 36°



6W

11W & 17W

Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

Pic 3

max. efficacity 142lm/W

code: 8029.B XXX. XX

Led
Power
Angle
Color

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

LED

D	4000K
W	2700K

POWER

0	6W
1	11W
2	17W

ANGLE

1	15°
3	50°

COLOR

02A	Anodized black
32	Anodized aluminum

36° = on request
3000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Saturn HP Led

Led flood light

Zax-S 10°

IP66
200mA
IK07

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Degree of protection IP66 - IK07
Safety clear plexiglass
Led module CRI>80 3SDCM 85.000hrs L80 B10
Provided with 1m cable

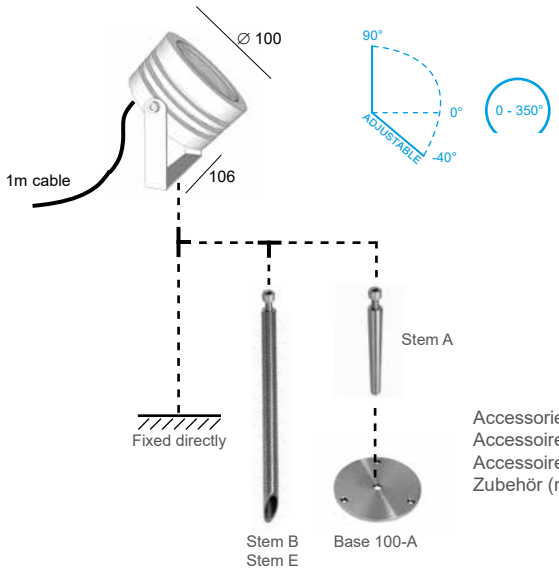
ACCESSORIES

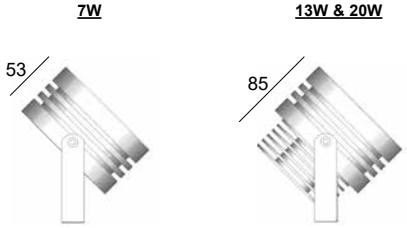
Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Base & stem for ground/wall/ceiling
Stem with spike for ground fixing: Stem B / E
Anti-glare honeycomb - Louver ref: X060.068.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 4000K
Led CRI>90
Other cable length (customized)
Other anodized color

200-500mA
7W - 20W





Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 110lm/W

Typical luminous flux (lm)			
	200mA 7W	350mA 13W	500mA 20W
2700 K	750	1350	2000
3000 K	800	1400	2100
4000 K	850	1450	2200

code: 352. XX X . XX
Led
Power
Color

DIMMABLE

LED	
27	2700K
30	3000K

POWER	
1	7W - 10° - 200mA
2	13W - 10° - 350mA
3	20W - 10° - 500mA

COLOR	
02A	Anodized black
32D	Anodized aluminum
33	Anodized bronze

4000K = on request
CRI>90 = on request

Zax-S 10°

Led flood light

model 7W

model 13W & 20W

Salsa

1 x SALSA code: 8091.W3.07
1 x SALSA BASE code: AC.8091.07

DESCRIPTION

Body made in solid brass or anodized aluminum
Screws in brass or stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

230V
6W - 10W

ACCESSORIES

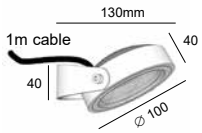
Base for ground/wall/ceiling - Salsa Base ref: AC.8091._ _
Stem with spike for ground fixing: Stem B / E
Spike for ground fixing - Ecopic ref: 805.00.07
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

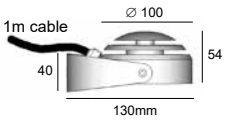
Other led color: 2700K / 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other anodized color
Other material: brushed copper
Other cable length (customized)

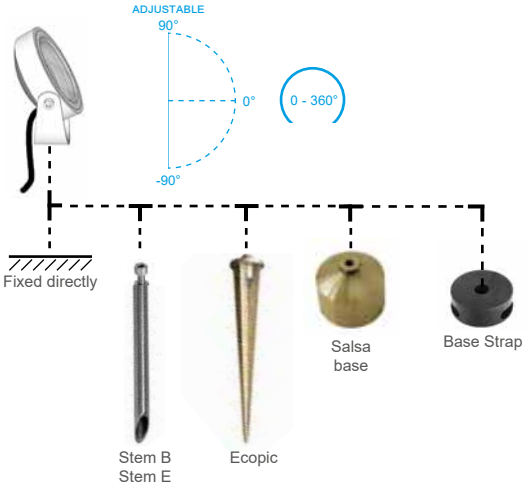
IP65
230V
IK07

6W



10W





Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

code: 8091. XX . XX
led color

DIMMABLE TRIAC

LED

W2 6W - 3000K
W3 10W - 3000K

COLOR

02A Anodized black
07 Brushed brass

2700K / 4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

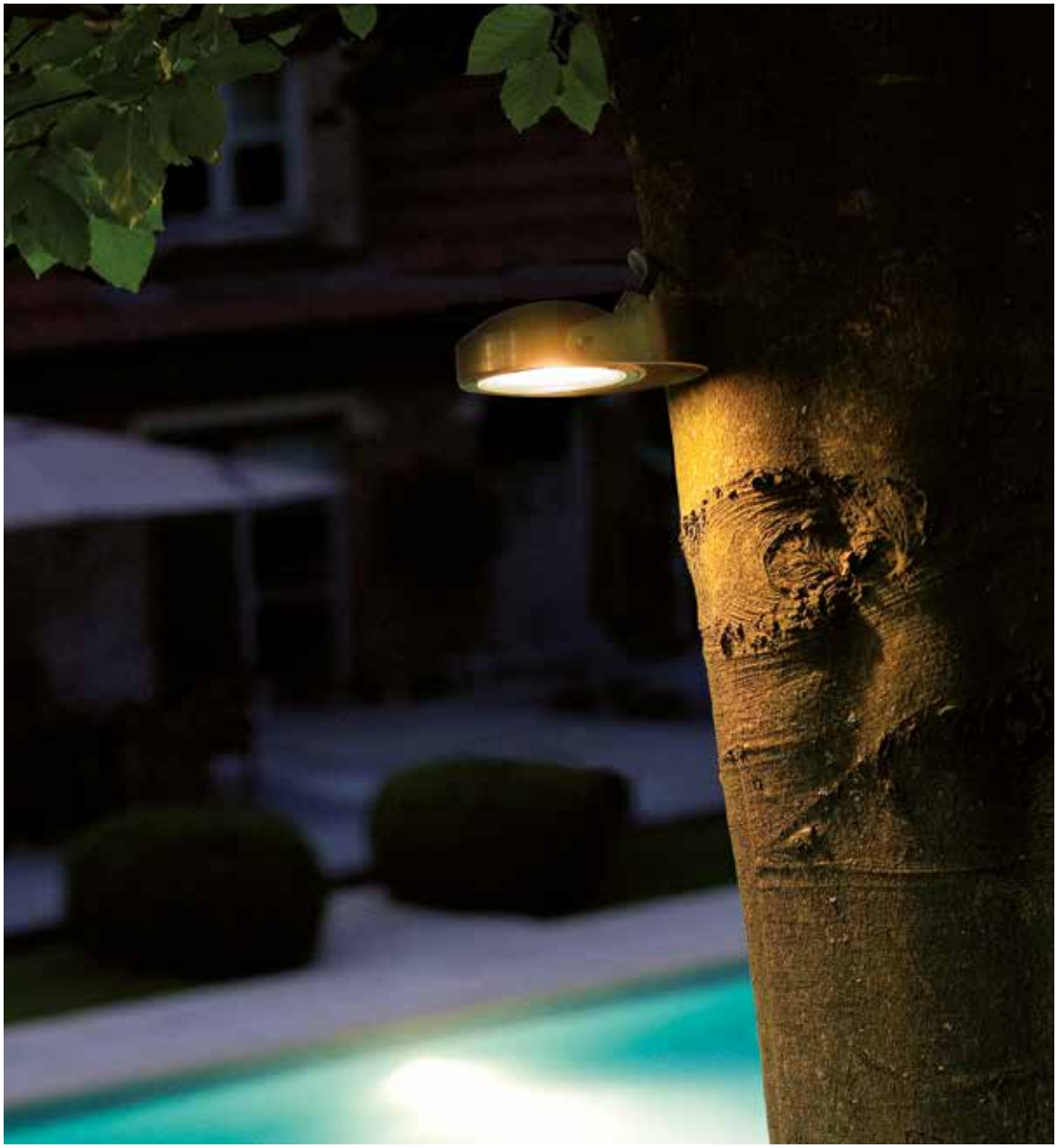
max. efficacity 102lm/W

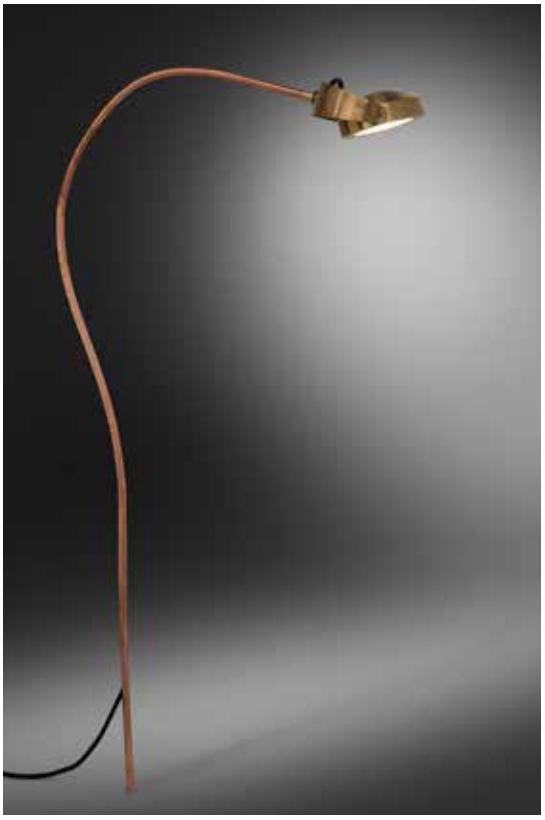
Weight (kg)	6W	10W
02A	0,50	0,60
07	1,30	2,00

Typical luminous flux (lm)	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

Salsa

Led flood light





Salsa-S

DESCRIPTION

Head spot made in solid brass
flexible rod made in copper
Screws in brass
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

230V
6W - 10W

ACCESSORIES

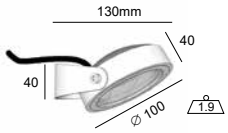
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

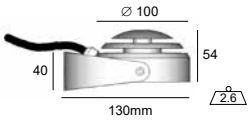
Other led color: 2700K / 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other cable length (customized)

IP65
230V
IK07

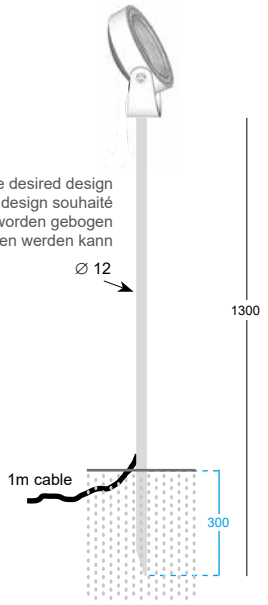
6W

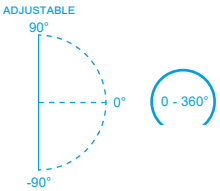


10W



Straight rod to be bent on site according to the desired design
Tige droite à plier sur site selon le design souhaité
Rechte steel die ter plaatse in het gewenste ontwerp kan worden gebogen
Gerade Stange, die vor Ort nach dem gewünschten Design gebogen werden kann





Flexible but unstable, it is necessary to find the point of balance during installation.

code: 8092. XXX . 07
led

DIMMABLE TRIAC

max. efficacity 102lm/W

LED

W2 6W - 3000K
W3 10W - 3000K

2700K / 4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

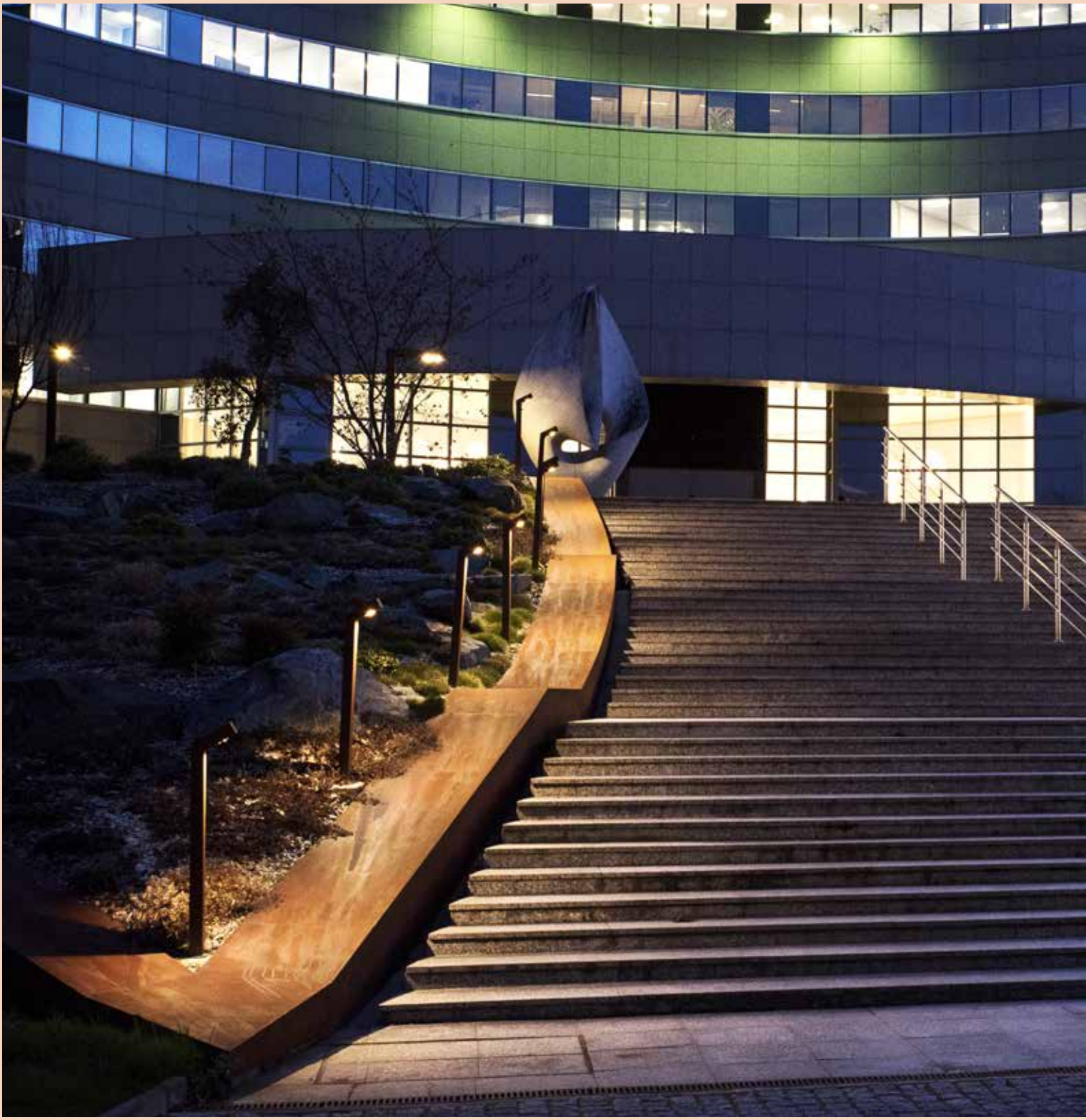
COLOR

07 Brushed brass (flexible rod in copper)

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

Salsa-S

Led flood light



Agence CD&B / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble Pablo Picasso à Nanterre, Île-de-France - INEDIT Lighting

Torga FL

Garden bollard < 1,5m

Exterior

Sami

IP65

350mA

IK06

DESCRIPTION

Body made in copper
Degree of protection IP65 - IK06
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable

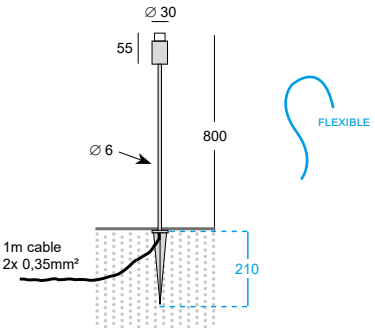
350mA
1,1W - 3,2W

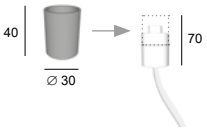
ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare ring - ref: 8031.AC01.21
IP68 connection - Connex 4 ref: X083

ON REQUEST

Other led color: 3000K / 5000K
Other dimensions (customized)
Base plate for ground/wall/ceiling fixing
Other cable length (customized)





Sami AG

code: 8031.AC01.21

Anti-glare accessory
Ø 30 mm Height: 40mm

code: 8031 . XXX . 21
led

DIMMABLE

max. efficacity 132lm/W

LED

D13 1,1W - 4000K
D32 3,2W - 4000K
W13 1,1W - 2700K
W32 3,2W - 2700K

3000K / 5000K = on request

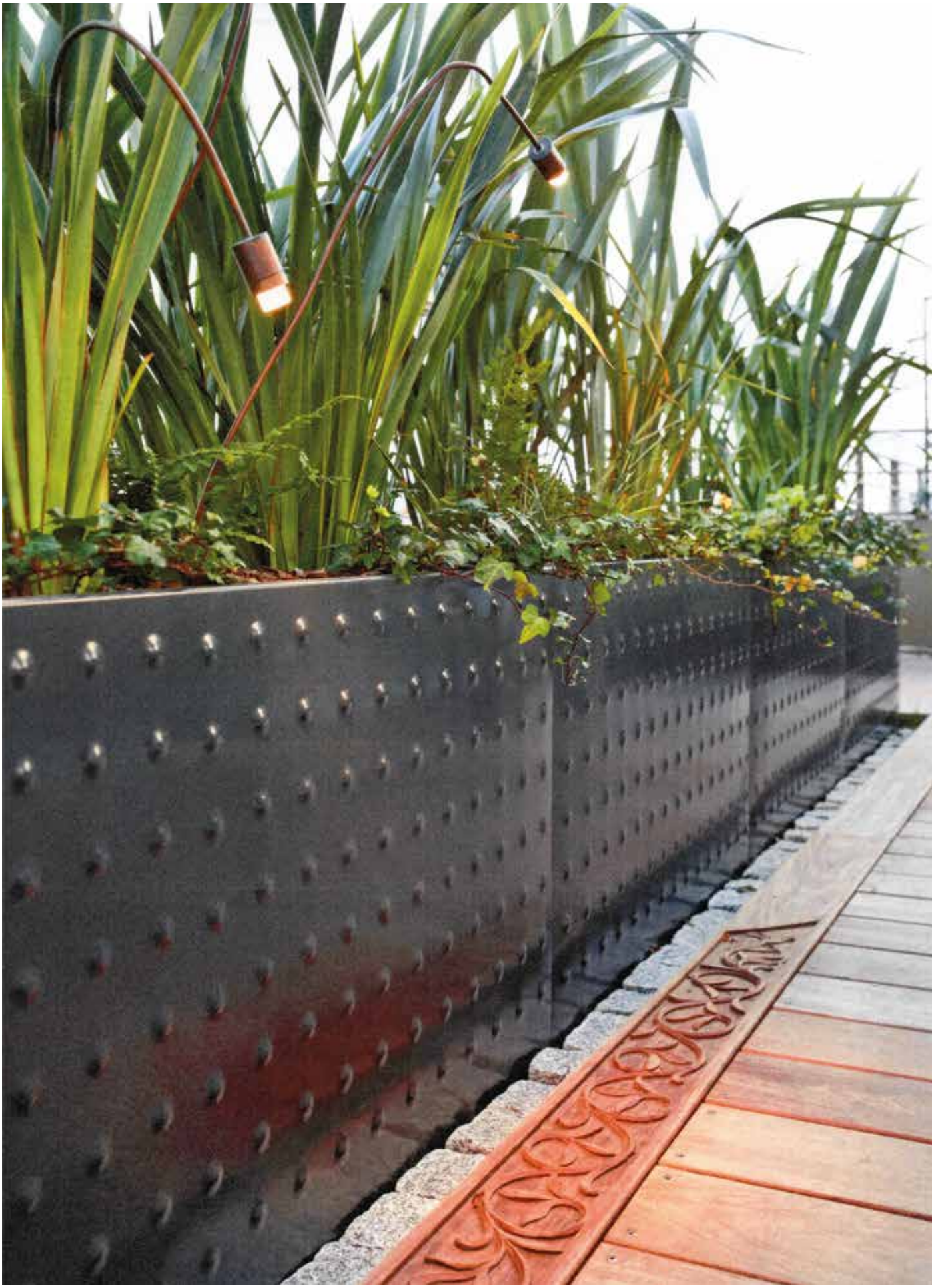
COLOR

21 Brushed copper

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

Sami

Led garden lamp



© Agence Christophe Gautrand & Associés Paysagistes / Photographies : Hugo Hébrard
Aménagement de la terrasse de la Suite Royale Orientale de l'Hôtel Mandarin Oriental Paris.

Sami-flex

IP65

350mA

IK06

DESCRIPTION

Body made in anodized aluminum
Flexible rod with polyolefin heat shrink tubing
Degree of protection IP65 - IK06
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable

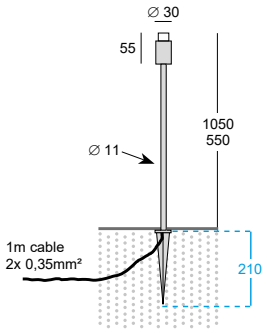
ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare ring - ref: 7021.AC01.02A
IP68 connection - Connex 4 ref: X083

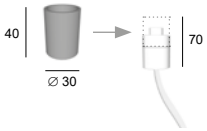
ON REQUEST

Other led color: 3000K / 5000K
Base plate for ground/wall/ceiling fixing
Other cable length (customized)

350mA
1,1W - 3,2W



The 1050mm version is completely flexible but unstable, it is necessary to find the point of balance during installation and maybe fixed one part of the rod.



Sami-flex AG

code: 7021.AC01.02A

Anti-glare accessory
Ø 30 mm Height: 40mm

code: 7021. X XXX . 02A DIMMABLE

height
led
color

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

HEIGHT

1	550 mm
2	1050 mm

LED

D13	1,1W - 4000K
D32	3,2W - 4000K
W13	1,1W - 2700K
W32	3,2W - 2700K

COLOR

02A	Anodized black

3000K / 5000K = on request

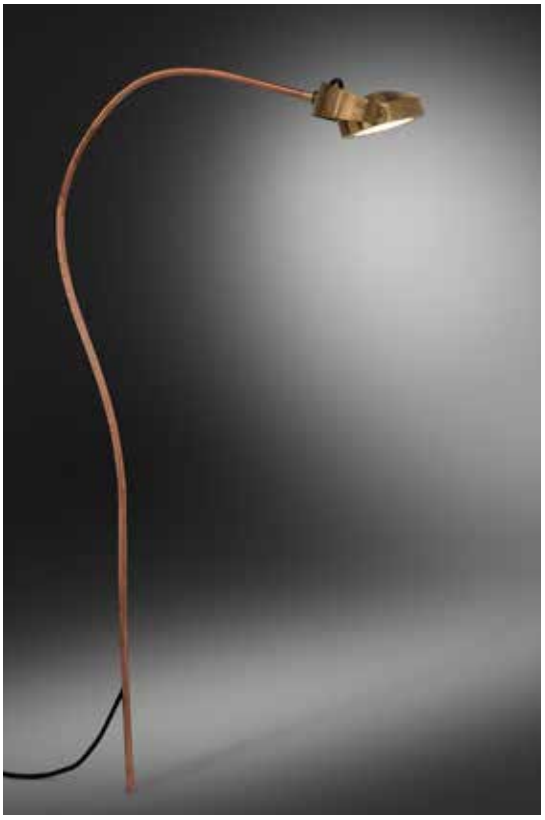
Sami-flex

Led garden lamp

with Anti-glare ring ref: 7021.AC01.02A

on request

with Anti-glare ring ref: 7021.AC01.02A



Salsa-S

DESCRIPTION

Head spot made in solid brass
flexible rod made in copper
Screws in brass
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable

230V
6W - 10W

ACCESSORIES

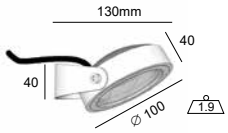
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

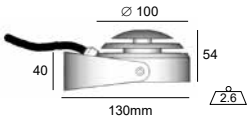
Other led color: 2700K / 4000K
Led 6W or 11W 350mA : 2700K / 3000K / 4000K / 5000K
Other cable length (customized)

IP65
230V
IK07

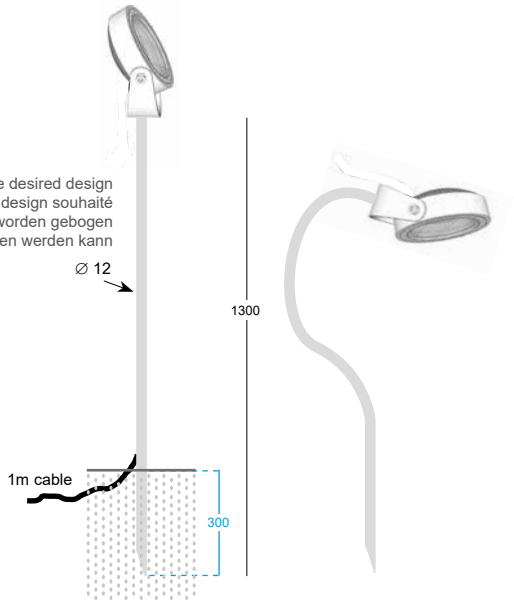
6W

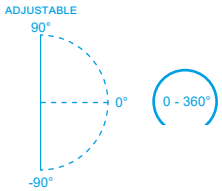


10W



Straight rod to be bent on site according to the desired design
Tige droite à plier sur site selon le design souhaité
Rechte steel die ter plaatse in het gewenste ontwerp kan worden gebogen
Gerade Stange, die vor Ort nach dem gewünschten Design gebogen werden kann





Flexible but unstable, it is necessary to find the point of balance during installation.

code: 8092. XXX . 07
led

DIMMABLE TRIAC

max. efficacity 102lm/W

LED

W2 6W - 3000K
W3 10W - 3000K

2700K / 4000K = on request
6W or 11W 350mA 2700K / 3000K / 4000K / 5000K = on request

COLOR

07 Brushed brass (flexible rod in copper)

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

Salsa-S

Led garden lamp

350mA
1,1W - 3,2W

Dion

DESCRIPTION

Body made in anodized aluminum or copper
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable
Degree of protection IP65 - IK06

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

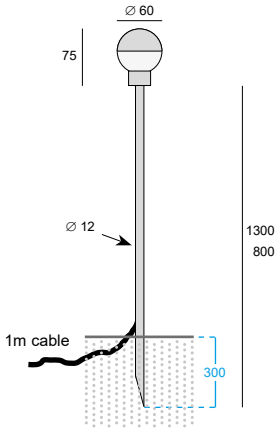
ON REQUEST

Base plate for ground/wall/ceiling fixing
Other material: brass / s-steel
Other anodized color
Other dimensions (customized)

IP65

350mA

IK06



code: 394. X XXX . XX

DIMMABLE

height
led
color

HEIGHT

1	800 mm
2	1300 mm

LED

272	3,2W 2700K - 350mA
302	3,2W 3000K - 350mA

COLOR

02A	Anodized black
21	Copper

4000K / 5000K = on request

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

Dion

Led garden lamp

anodized matt gold = on request

350mA
1,1W - 3,2W

Mini Swapi

DESCRIPTION

Body made in anodized aluminum or copper
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable
Degree of protection IP65 - IK06

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

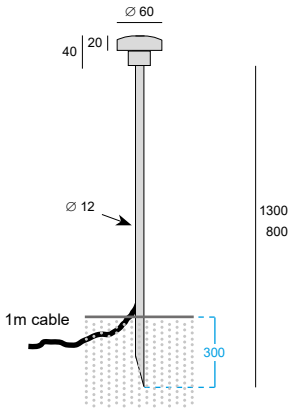
ON REQUEST

Base plate for ground/wall/ceiling fixing
Other material: brass / s-steel
Other anodized color
Painted in RAL colors
Other dimensions (customized)

IP65

350mA

IK06



code: 393. X XXX . XX
height
led
color

DIMMABLE

HEIGHT

1 800 mm
2 1300 mm

LED

272 3,2W 2700K - 350mA
302 3,2W 3000K - 350mA

COLOR

02A Anodized black
21 Copper

4000K / 5000K = on request

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

Mini Swapi

Led garden lamp

350mA
1,1W - 3,2W

LightSaber

DESCRIPTION

Body made in solid aluminum
Safety sandblasted plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable
Degree of protection IP65 - IK06

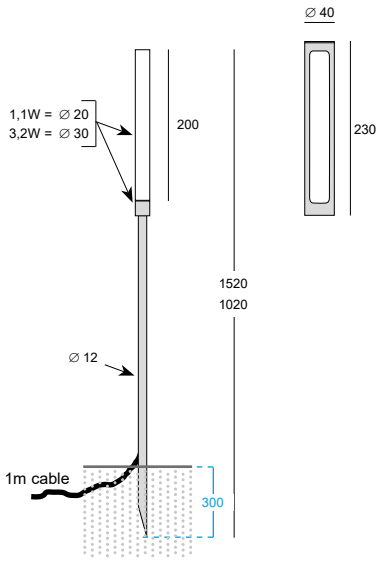
ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 4 ref: X083

ON REQUEST

Base plate for ground/wall/ceiling fixing
Other material: brass / copper / stainless steel
Other anodized color
Painted in RAL colors
Other dimensions (customized)

IP65
350mA
IK06



CoverSab 1

code: 383.AC1._ _
only for model 3,2W

Anti-glare accessory
Ø 40 mm Height: 230mm

code: 383. X XXX . XX DIMMABLE
height
led
color

HEIGHT

1	1020 mm
2	1520 mm

4000K / 5000K = on request

LED

271	1,1W - 2700K
272	3,2W - 2700K
301	1,1W - 3000K
302	3,2W - 3000K

COLOR

02A	Anodized black
33	Anodized bronze

max. efficacity 132lm/W

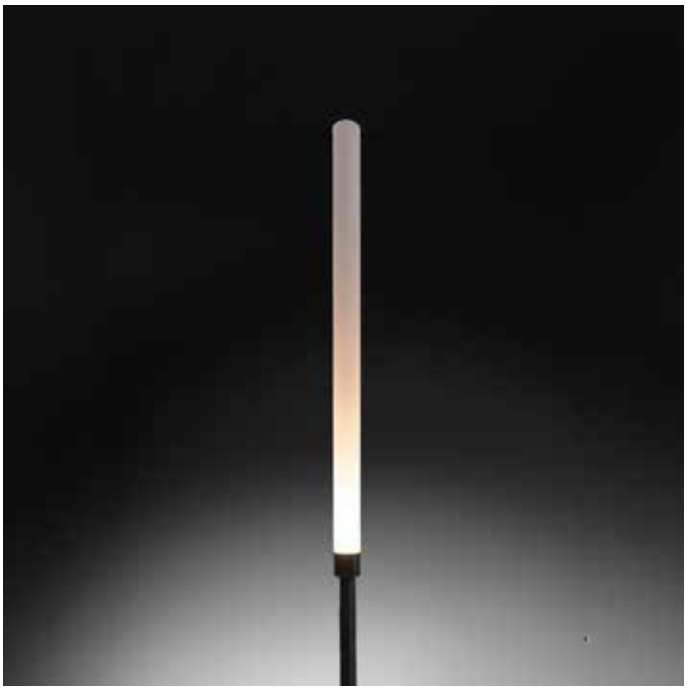
Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

LightSaber

Led garden lamp

other length of plexiglass = on request

with accessory “CoverSab 1”



Swapi

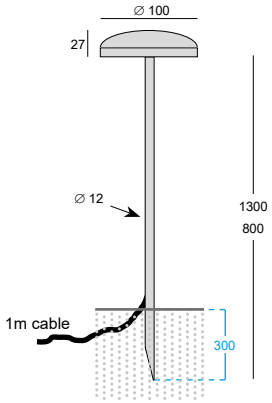
DESCRIPTION

Body made in anodized aluminum, copper or brass
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with spike for ground fixing
Provided with 1m cable
Degree of protection IP65 - IK06

230V
6W

ON REQUEST

Base plate for ground/wall/ceiling fixing
Painted in RAL colors
Other anodized color
Other dimensions (customized)
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K



code: 7022. X XXX . XX

DIMMABLE TRIAC

- X = height
- XXX = led
- XX = color

HEIGHT

1	800 mm
2	1300 mm

LED

W27	6W - 2700K
W30	6W - 3000K

COLOR

02A	Anodized black
07	Brushed brass
21	Brushed copper
32	Anodized aluminum
33	Anodized bronze

4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

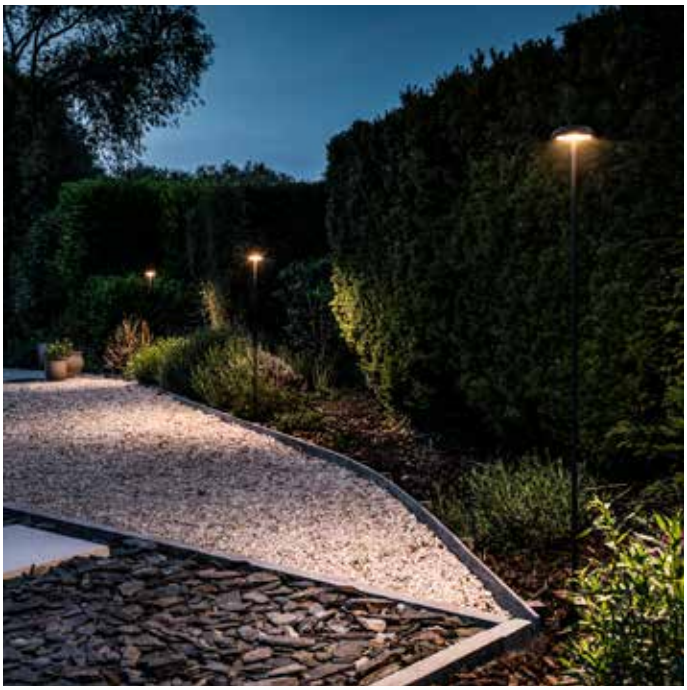
Weight (kg)		
	800mm	1300mm
02, 32, 33	0,80	0,90
07, 21	1,50	1,70

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

Swapi

Led garden lamp



230V
6W

Disk

IP65
230V
IK07

DESCRIPTION

Body made in anodized aluminum, copper or brass
Screws in stainless steel
Degree of protection IP65 - IK07
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10

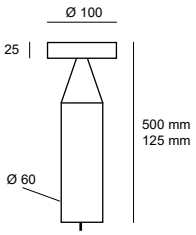
ACCESSORIES

Base plate Ø 100mm - Easyfix ref: X100A. _ _
Spike for ground fixing - Pic 1 ref: 802.00.02

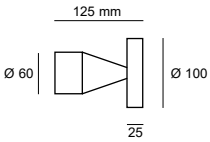
ON REQUEST

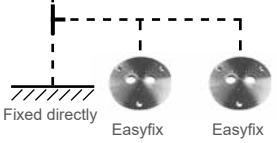
Painted in RAL colors
Other anodized color
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K
Power supply 24VDC included
Other dimensions (customized)

garden bollard



wall lamp





See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 1

max. efficacity 80lm/W

Typical luminous flux (lm)	
	6W
2700 K	460
3000 K	470
4000 K	480

code: 340. X XXX . XX DIMMABLE TRIAC

- X = height
- XXX = led
- XX = color

HEIGHT

1	125 mm
2	500 mm

LED

272	6W - 2700K
302	6W - 3000K

COLOR

02A	Anodized black
07	Brushed brass
21	Brushed copper
32	Anodized aluminum
33	Anodized bronze

4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

- Please refer to the information pages for the specific characteristics of anodised finishes.
- Veuillez vous référer aux pages d'informations pour les caractéristiques particulières des surfaces anodisées.
- Raadpleeg de informatiepagina's voor specifieke kenmerken van geanodiseerde oppervlakken.
- Bitte beachten Sie die Informationsseiten zu den besonderen Eigenschaften eloxierter Oberflächen.
- Παρακαλώ συμβουλευτείτε τις σελίδες πληροφοριών για τα συγκεκριμένα χαρακτηριστικά των ανοδειώσεων.

Disk

Led garden bollard

350mA
3,2W - 6W

Sonar

IP66
350mA
IK09

DESCRIPTION

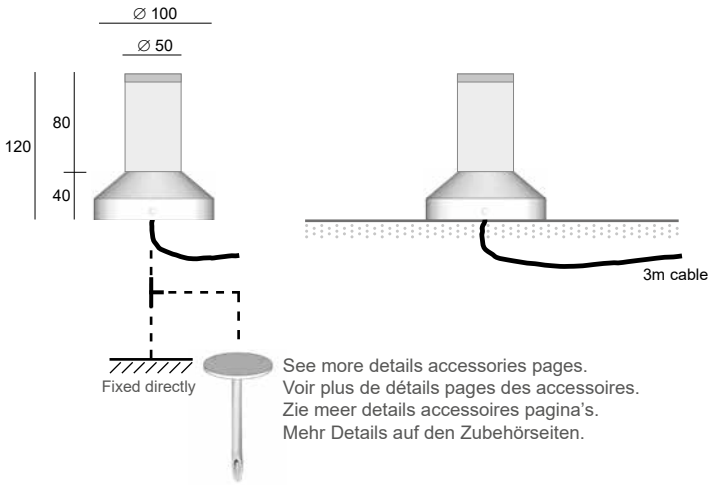
Body made in solid anodized aluminum or stainless steel 316L
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP66 - IK09
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 3m cable

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Spike for ground fixing - Pic 5 ref: 804.05.02A
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Led 6W 350mA 5000K
Other cable length (customized)
Other anodized color



Pic 5

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

max. efficacity 141lm/W

Typical luminous flux (lm)		
	3,2W	6W
2700 K	355	725
3000 K	370	760
4000 K	395	805
5000 K	410	845

code: 366. XX X . XX
led | power | color

DIMMABLE

LED

27 2700K
30 3000K
40 4000K

POWER

2 6W 350mA

COLOR

02A Anodized black
16 Brushed stainless steel 316L
32 Anodized aluminum
33 Anodized bronze

5000K = on request
3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Sonar

Led garden bollard

230V
6W

Stoumpi

IP65

230V

IK06

DESCRIPTION

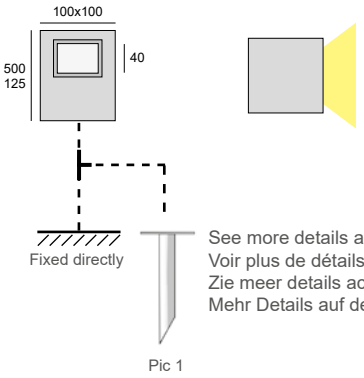
Body made in profile aluminum
Screws in stainless steel
Safety clear plexiglass
Led module CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK06

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Dimmable power supply 220-240V
Power supply 24VDC included
Other led color: 4000K / 5000K



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

max. efficacity 141lm/W

Typical luminous flux (lm)		
	3,2W	6W
2700 K	355	725
3000 K	370	760
4000 K	395	805
5000 K	410	845

code: 357. X XXX . XX
height
led
color

HEIGHT

1 120 mm
2 500 mm

LED

272 Led 2700K 6W - 230V
302 Led 3000K 6W - 230V

COLOR

02 Black
24 Corten
39 Grey
48 Dark grey (RAL 7016 textured)

4000K / 5000K = on request
3,2W 2700K / 3000K / 4000K / 5000K = on request

Stoumpi

Led garden bollard

230V
6W - 8W & G9

Alina

IP65

230V

IK10

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Degree of protection IP65 - IK10

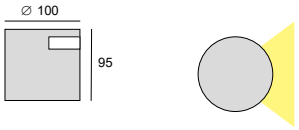
ACCESSORIES

Spike for ground fixing - Pic 3 ref: 804.00.32

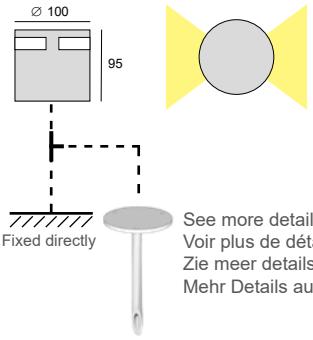
ON REQUEST

Other anodized color
Painted in RAL colors
Led 3,2W or 6W 350mA: 2700K / 3000K / 4000K / 5000K
Power supply 24VDC included

B: 1 side



D: 2 sides



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 3

max. efficacity 85lm/W

Typical luminous flux (lm)		
	1 side 6W	2 sides 2x 4W
2700 K	460	2x 315
3000 K	470	2x 320
4000 K	480	2x 340

code: 982X. XXX . XX
°angle
led
color

DIMMABLE

ANGLE

B	1 side
D	2 sides

LED / BULB

G9	G9 LED (max. diameter 65mm / height 60mm)
W27	Led 2700K 6W (1 side) or 2x4W (2 sides) - 230V
W30	Led 3000K 6W (1 side) or 2x4W (2 sides) - 230V

COLOR

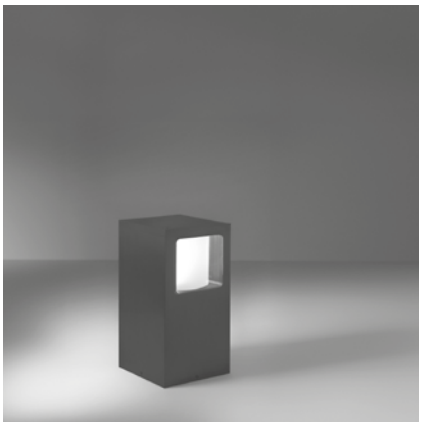
02A	Anodized black
32	Anodized aluminum

4000K = on request
3,2W or 6W 350mA 2700K / 3000K / 4000K / 5000K = on request

Alina

Led garden bollard

230V
E27



Goliath K

IP65
230V
IK07
2,50

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

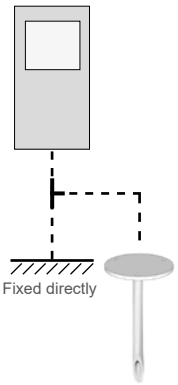
Spike for ground fixing - Pic 3 ref: 804.00.32
Led Bulb E27

ON REQUEST

Other anodized color
Painted in RAL colors
Other socket for LED (G9, G4, E14 …)

Goliath R

IP65
230V
IK07
1,40

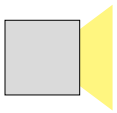


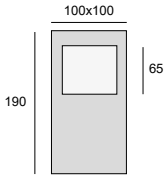
Pic 3

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 986.E2.32

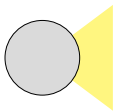
DIMMABLE

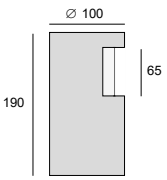




code: 987.E2.32

DIMMABLE





BULB

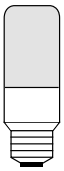
E2 E27 LED (max. diameter 70mm / height 137mm)

Other socket for LED (G9, G4, E14,...) = on request

COLOR

02A Anodized black
32 Anodized aluminum

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

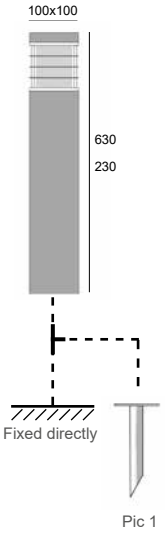
Goliath

Led garden bollard

230V
E27

Spirit KFL

IP65
230V
IK07
4,50



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 951. XX .41 E27 LED (max. diameter 52mm / height 160mm) DIMMABLE

height

HEIGHT

23	230 mm	4,50
63	630 mm	14,50

COLOR

41	Belgian Pierre

Other socket for LED (G9, G4, E14,...) = on request

DESCRIPTION

Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

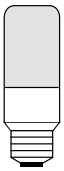
ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Spirit KFL

Led garden bollard

Serie “Strida RFL” on request

230V
E27

Poeme FL

IP65

230V

IK07

DESCRIPTION

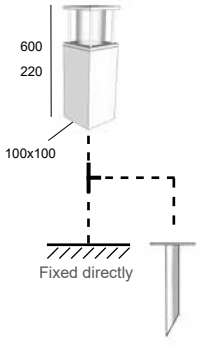
Body made in aluminum
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other RAL colors
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 8019. X. XX E27 LED (max. diameter 53mm / height 145mm) DIMMABLE

height
color

HEIGHT

1	220 mm	1.2
2	600 mm	3.0

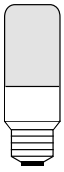
COLOR

02	Black
39	Grey

Other socket for LED (G9, G4, E14,...) = on request

With grid = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Poeme FL

Led garden bollard

230V
6W

Strato

IP65

230V

IK09

DESCRIPTION

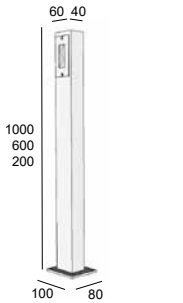
Body made in profile aluminum
Screws in stainless steel
Power supply 220-240V incorporated
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Safety clear plexiglass
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.100X080
Spike for ground fixing - Pic 2 ref: 803.00.02

ON REQUEST

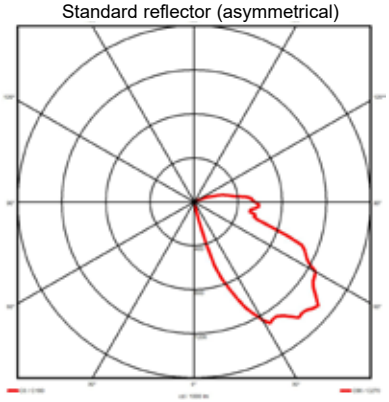
Other RAL colors
Other led color: 3000K / 5000K
Power supply 24VDC included
Other dimensions (customized)



Pic 2

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Standard reflector (asymmetrical)



max. efficacity 141lm/W

Typical luminous flux (lm)		
	3,2W	6W
2700 K	355	725
3000 K	370	760
4000 K	395	805
5000 K	410	845

code: 8067. X XX . XX
height
led
color

HEIGHT

1	200 mm	2.55
2	600 mm	0.75
3	1000 mm	1.65

LED

D1	6W - 4000K
W1	6W - 2700K

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

3000K / 5000K = on request

Strato

Led garden bollard

230V
6W - 9,5W

Phantom

IP65

230V

IK09

DESCRIPTION

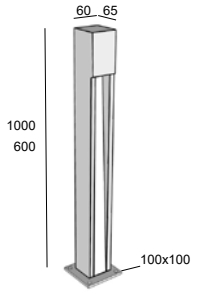
Body made in profile aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4
Anti-ant gasket - ref: GK.100X100
Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 4000K / 5000K
Led 6W 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 322. X XX . XX
height
led
color

HEIGHT

2	600 mm
3	1000 mm

LED

27	9,5W - 2700K
30	9,5W - 3000K

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

4000K / 5000K = on request
6W: 2700K / 3000K / 4000K / 5000K = on request

Phantom

Led garden bollard

Outdoor space planning - Mystras Grand Palace Resort - Peloponnese - Greece

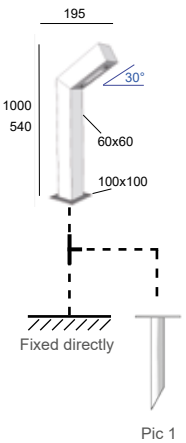
230V
6W - 9,5W

Torga FL

IP65

230V

IK09



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.100X100
Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Led 9,5W : 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included
Other dimensions (customized)

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8009. X XXX . XX
height
led
color

HEIGHT

1	540 mm	2,10
2	1000 mm	3,10

LED

D37	6W - 4000K
W37	6W - 2700K

COLOR

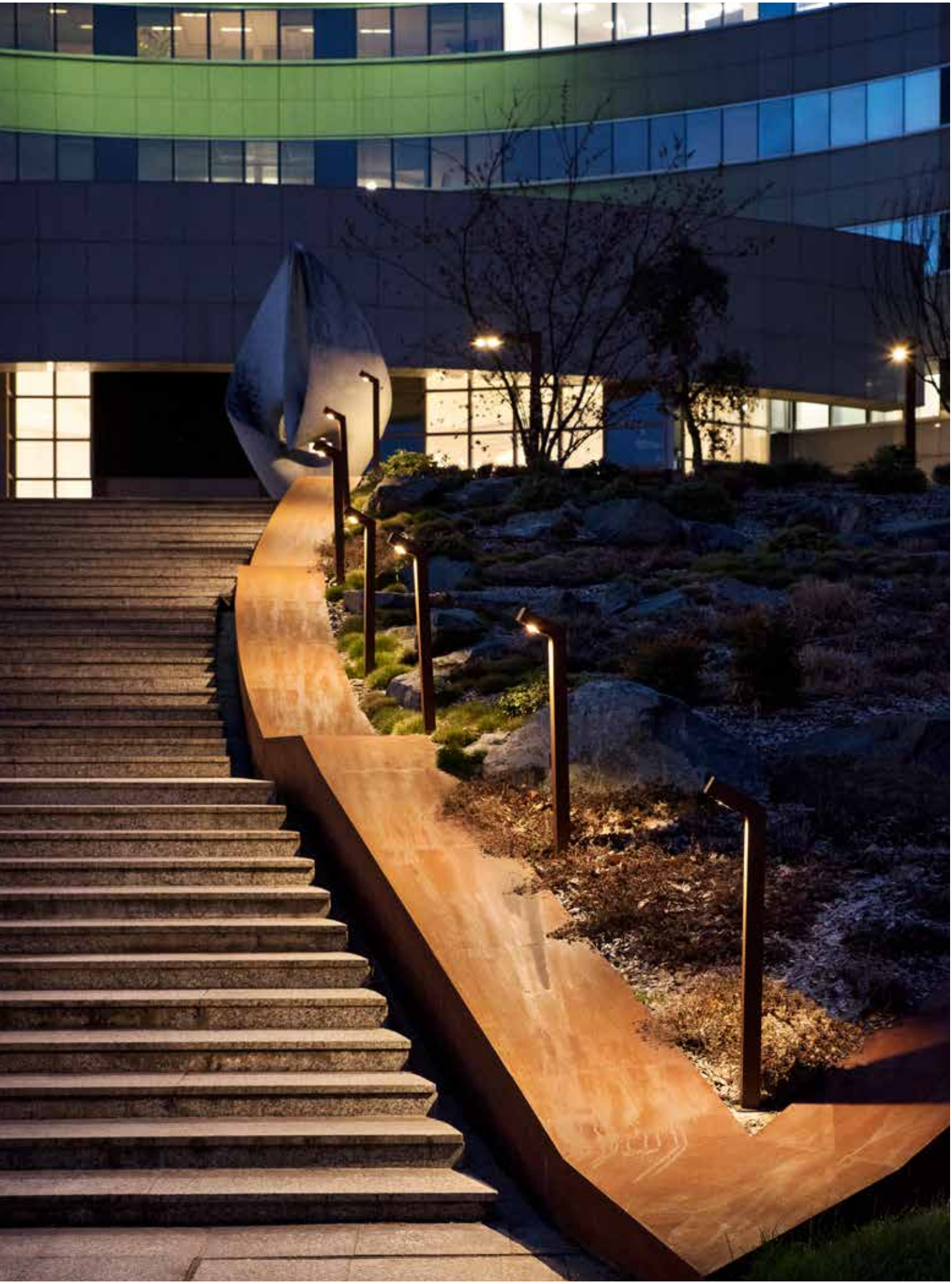
02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
9,5W: 2700K / 3000K / 4000K / 5000K = on request

Torga FL

Led garden bollard

Agence CD&B / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble Pablo Picasso à Nanterre, Île-de-France - INEDIT Lighting



Agence CD&B / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble Pablo Picasso à Nanterre, Île-de-France - INEDIT Lighting

230V
6W - 9,5W

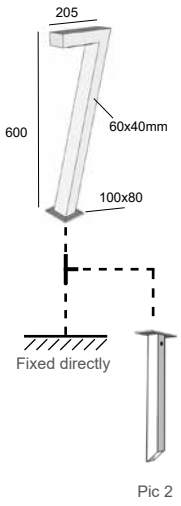
Seven

IP65

230V

IK09

*do not use version rusty iron on tiling, paving, wood, ...



Pic 2

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in profile aluminum or iron
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.100X080
Spike for ground fixing - Pic 2 ref: 803.00.02

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Led 6W 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8065. XX . XX
led color

LED

D1	9,5W - 4000K
W1	9,5W - 2700K

3000K / 5000K = on request
6W: 2700K / 3000K / 4000K / 5000K = on request

COLOR

02	Black	1.9
39	Grey	1.9
40	Rusty Iron	2.5
48	Dark Grey (RAL 7016 structured)	1.9

Seven

Led garden bollard

230V
9,5W - 19W

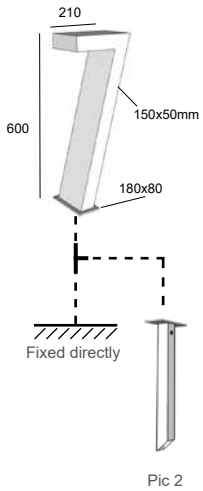
Big Seven

IP65

230V

IK09

*do not use version rusty iron on tiling, paving, wood, ...



Pic 2

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in profile aluminum or iron
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.180X080
Spike for ground fixing - Pic 2 ref: 803.00.02

ON REQUEST

Other RAL colors
Other led color: 3000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included

max. efficacity 121lm/W

Typical luminous flux (lm)		
	9,5W	19W
2700 K	995	1990
3000 K	1035	2070
4000 K	1095	2190
5000 K	1150	2300

code: 8064. XX . XX
led color

LED

D1	9,5W - 4000K
D2	19W - 4000K (2x 9,5W)
W1	9,5W - 2700K
W2	19W - 2700K (2x 9,5W)

COLOR

02	Black
39	Grey
40	Rusty Iron
48	Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
6W or 2x 6W: 2700K / 3000K / 4000K / 5000K = on request

Big Seven

Led garden bollard

230V
6W - 9,5W

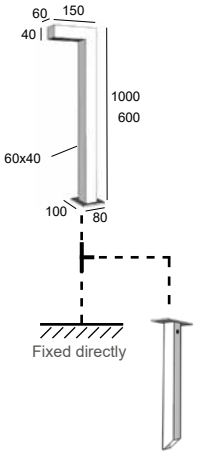
Indy

IP65

230V

IK09

*do not use version rusty iron on tiling, paving, wood, ...



Pic 2

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in profile aluminum or iron
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.100X080
Spike for ground fixing - Pic 2 ref: 803.00.02

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 3000K / 5000K
Led 6W 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8066. X XXX . XX
height | led | color

HEIGHT

1	600 mm
2	1000 mm

LED

D1	9,5W - 4000K
W1	9,5W - 2700K

3000K / 5000K = on request
6W: 2700K / 3000K / 4000K / 5000K = on request

COLOR

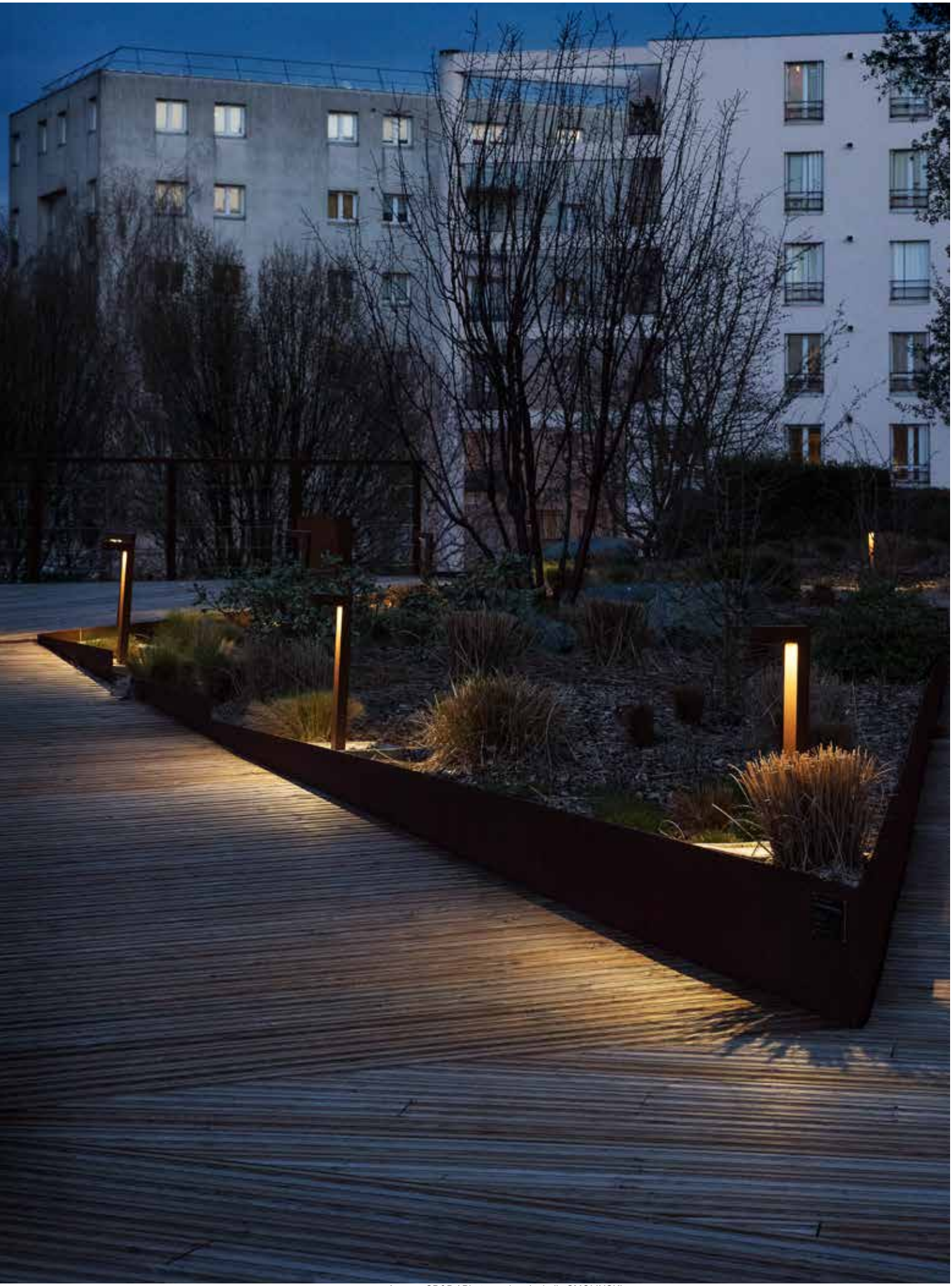
02	Black
24	Corten
39	Grey
40	Rusty Iron
48	Dark Grey (RAL 7016 structured)

Weight (kg)		
	600mm	1000mm
02,24,39,48	2,10	3,10
40	2,30	3,50

Indy

Led garden bollard

Agence CD&B / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble Pablo Picasso à Nanterre, Île-de-France - INEDIT Lighting



Agence CD&B / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble Pablo Picasso à Nanterre, Île-de-France - INEDIT Lighting

230V
6W - 9,5W

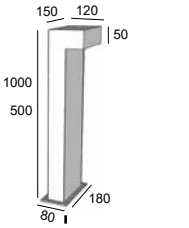
Sampa FL

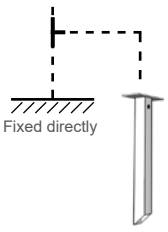
IP65

230V

IK09

*do not use version rusty iron on tiling, paving, wood, ...





Pic 2

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in profile aluminum or iron
Screws in stainless steel
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.180X080
Spike for ground fixing - Pic 2 ref: 803.00.02

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 3000K / 5000K
Led 9,5W : 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 8037. X XXX . XX
height
led
color

HEIGHT

2 500 mm
3 1000 mm

LED

D37 6W - 4000K
W37 6W - 2700K

COLOR

02 Black
24 Corten
39 Grey
40 Rusty Iron
48 Dark Grey (RAL 7016 structured)

3000K / 5000K = on request
9,5W: 2700K / 3000K / 4000K / 5000K = on request

Weight (kg)		
	500mm	1000mm
02,24,39,48	2,10	3,70
40	5,30	9,60

Sampa FL

Led garden bollard

230V
6W - 17W

Sampa Pro

IP65

230V

IK08

DESCRIPTION

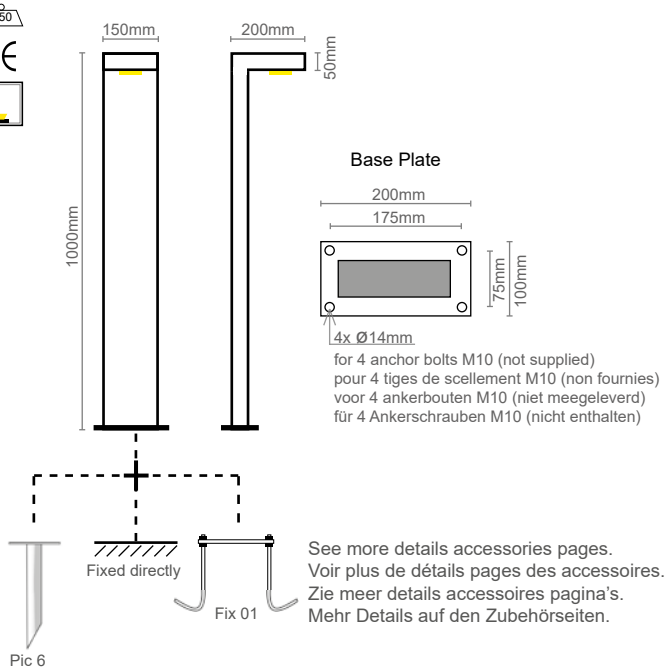
Body made in profile aluminum
Screws in stainless steel
Asymmetrical silicone lens anti-UV, efficiency 89%
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK08

ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anti-ant gasket - ref: GK.200X100
Spike for ground fixing - Pic 6 ref: 804.06.GZ
Anchor kit ground fixing - Fix 01 ref: AC.FX21.GZ

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 2700K / 5000K
Dimmable power supply 220-240V
Presence or motion detector (around 8m)
Detector with master/slave function



max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 8037 XX . XX . XX
detector · led · color

DECTECTOR

D1 With presence detector
D3 With motion detector (On/Off)
P1 Without detector

2700K / 5000K = on request

LED

N1 6W - 4000K
N2 11W - 4000K
N3 17W - 4000K
W1 6W - 3000K
W2 11W - 3000K
W3 17W - 3000K

COLOR

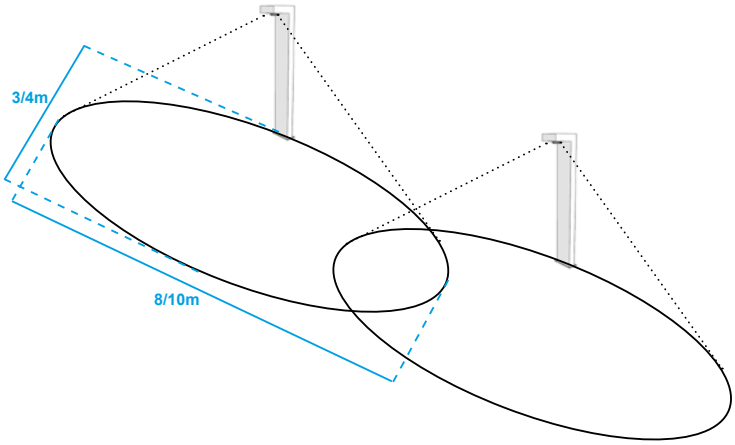
02 Black
24 Corten
39 Grey
48 Dark Grey (RAL 7016 structured)

Sampa PRO

Led garden bollard

Applications

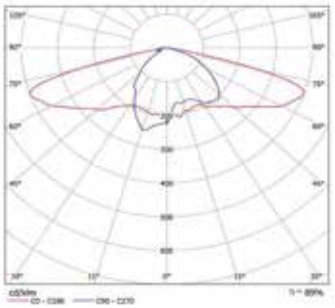
- Footpath
- Car park
- Park
- Building entrance
- Bicycle path
- PRM area



Advantages +

- Timeless design & robust (IK08)
- Lighting level conforms to PRM standards
- Also available with motion or presence detector for:
  - significant energy savings
  - a reduction of light pollution
  - a convenient and secure function to the site
  - an extension to the LED lifetime

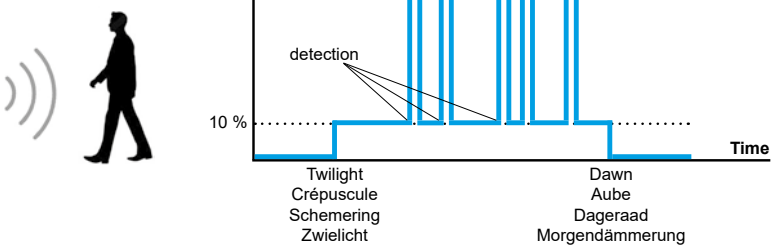
Standard Lens (asymmetrical)



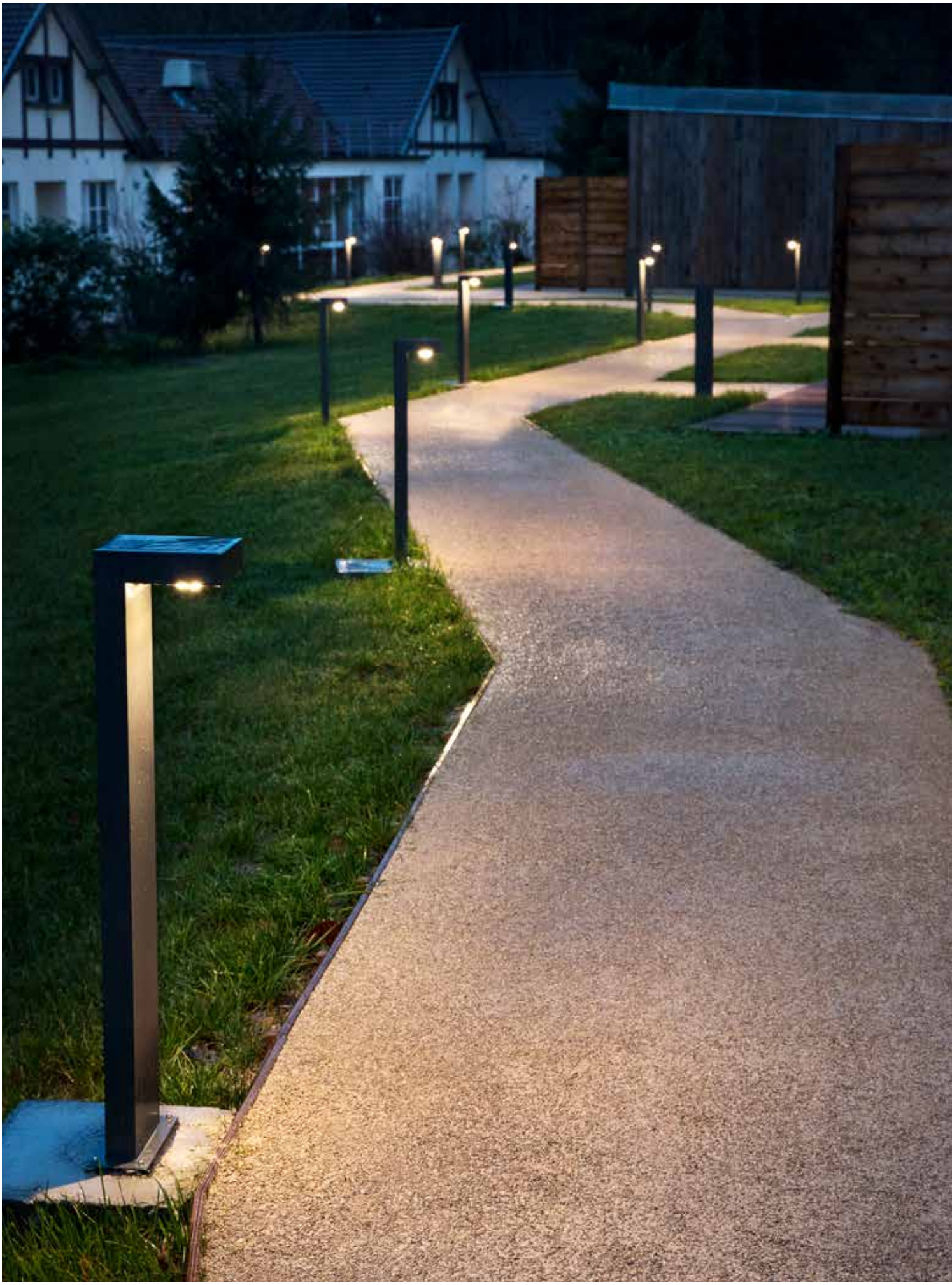
Sampa PRO+ Technical characteristics

- Fixing bracket for the detector in solid aluminum
- Presence detector (around 8m) with presetting:
  - standby function with orientation lighting of 10%
  - timer 60 seconds
  - Twilight function at 200 lux

  ..... or other adjustments on request



Architecte: TCHEPELEV à Chartres / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, HPR de Bullion, Île-de-France - maisons familiales



Architecte: TCHEPELEV à Chartres / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, HPR de Bullion, Île-de-France - maisons familiales

NEDERLANDS

Toepassingen
- Voetpad
- Parking
- Park
- Ingang gebouwen
- Fietspad
- PBM area

Voordelen +
- Sober en tijdloos design
- Robuust (IK08)
- Verlichtingsniveau voldoet aan de normen PBM
- Ook verkrijgbaar met bewegings- of aanwezigheidsmelder voor:
  - aanzienlijke energiebesparingen
  - een vermindering van de lichtvervuiling
  - comfort en een veilige functie op de site
  - een verlenging van de levensduur van de LED

Sampa PRO Technische specificaties
- Body in aluminium profiel 6000-serie
- Roestvrij stalen schroeven
- Asymmetrische silicone lens anti-UV, rendement 89%
- Mechanische sterkte van toestel: IK08
- Bescherming: IP65
- Gewicht: 4,5 kg
- Geïntegreerde driver en Led
- COB Led CRI>90 - Life: > 85 000 uur * gebruik
- CE - klasse I
-

Sampa PRO+ Technische specificaties
- Detector steun in massief aluminium
- Aanwezigheids detector (bereik circa 8m.) met standaard:
  - slaap functie oriëntatieverlichting tot 10%
  - timer 60 seconden
  - twilight functie op 200 lux
  ..... of andere aanpassingen op aanvraag

Accessoires
- IP68 connectors: connex 2 / 4 / 6

Op aanvraag
- Andere RAL-kleur
- Andere LED kleur: 2700K / 5000K
- Andere maten (op maat)
- Sensor met master / slave-functie
- Afstandsbediening voor gepersonaliseerde aanpassing

DEUTSCH

Anwendungen
- Fußweg
- Parkplatz
- Park
- Gebäudeeingang
- Fahrradweg
- PEM-Bereich

Vorteile +
- Zeitloses Design
- Robust (IK08)
- Beleuchtungsniveau entspricht den Standards PEM
- Auch für mit Bewegungs- oder Präsenzmelder :
  - Erhebliche Energieeinsparungen
  - Eine Reduzierung der Lichtverschmutzung
  - Komfort und eine sichere Funktion im Ort
  - Verlängerung der Lebensdauer der LED

Sampa PRO Technische Spezifikation
- Body in Aluminium-Profil der Serie 6000
- Schrauben aus rostfreiem Stahl
- Asymmetrische Linse anti-UV Silikon, Wirkungsgrad 89%
- Mechanische Festigkeit der Montage: IK08
- Schutzart: IP65
- Gewicht: 4,5 kg
- Integrierte driver und Led
- COB Led CRI>90 - Lebensdaue: > 85 000 Stunden *
- CE - Klasse I

Sampa PRO+ Technische Spezifikation
- Unterstützung für Detektor in massiven Aluminium
- Präsenzmelder (Reichweite ca. 8 m.) mit dem Standard:
  - Sleep-Funktion mit Orientierungsbeleuchtung auf 10%
  - Timer 60 Sekunden
  - Dämmerungsfunktion 200 Lux
  ..... oder andere Anpassungen auf Anfrage

Zubehör
- IP68 Anschlüsse: connex 2 / 4 / 6

Auf Anfrage
- Andere RAL-Farbe
- Andere LED Farbe: 2700K / 5000K
- Weitere Dimension (Custom)
- 0-10V dimmbaren LED-Treiber 0 - 100%
- Sensor mit Master / Slave-Funktion
- Fernbedienung für die personalisierte Anpassung

* Lifetime is only an indication, it mainly depends of the application and use of the luminaire.
* La durée de vie est donnée à titre indicatif, elle dépend essentiellement de l'application et l'utilisation du luminaire.
* De levensduur word als indicatie gegeven, het hangt vooral af van de toepassing en het gebruik van het armatuur.
* Das Leben als Hinweis gegeben wird, hängt es in erster Linie auf die Anwendung und Nutzung der Leuchte.

Applications

- Chemin piétonnier
- Parking
- Parc
- Entrée de bâtiment
- Piste cyclable
- Zone PMR

Avantages +

- Design sobre et intemporel
- Robuste (IK08)
- Niveau d'éclairement conforme aux normes PMR
- Disponible aussi avec détecteur de mouvement ou de présence pour:
  - des économies d'énergie importantes
  - une diminution de la pollution lumineuse
  - un confort et une fonction sécurisante au site
  - un allongement de la durée de vie de la led

Sampa PRO Caractéristiques Techniques

- Corps en profilé d'aluminium série 6000
- Visserie en inox
- Lentille silicone asymétrique anti-UV, efficience 89%
- Tenue mécanique de l'ensemble: IK08
- Degré de protection: IP65
- Poids: 4,5 kg
- Alimentation et Led intégrés
- COB Led CRI>90 durée de vie: >85 000 h* de fonctionnement
- CE - classe I

Sampa PRO+ Caractéristiques Techniques

- Support pour détecteur en aluminium massif usiné
- Détecteur de présence (portée env. 8m) avec par défaut:
  - fonction de veille avec éclairage d'orientation à 10%
  - temporisation 60 secondes
  - fonction crépusculaire à 200 lux
  ..... ou autre réglage sur demande

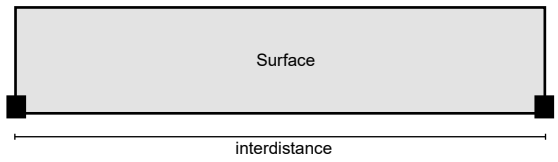
Accessoires

- Connecteurs IP68: connex 2 / 4 / 6

Sur demande

- Autre couleur RAL
- Autre couleur de led : 2700K / 5000K
- Autre dimension (personnalisée)
- Détecteur avec fonction maître/esclave
- Télécommande pour un réglage personnalisé

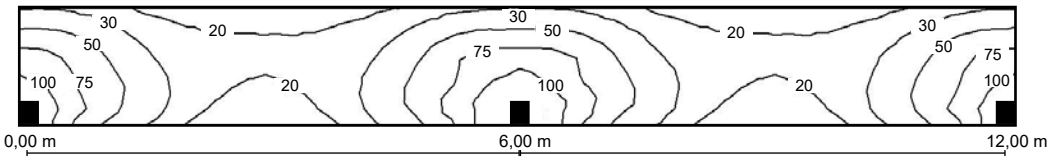
illumination examples with Sampa PRO



example for 2 Sampa PRO (height 1m) with Led **11W - 4000K - 1480lm**

Surface	interdistance	E-average Lux	E-maximum Lux	E-minimum Lux	Uniformity Emin/Eav
5m x 1,4m	5 m	93	250	37	0.40
6m x 1,4m	6 m	76	250	25	0,32
7m x 1,4m	7 m	67	250	12	0,18
8m x 1,4m	8 m	59	250	5	0,08
5m x 2,0m	5 m	73	250	16	0,22
7m x 2,0m	7 m	53	250	12	0,23
10m x 2,0m	10 m	37	250	1	0,02
5m x 2,5m	5 m	61	250	7	0,12
7m x 2,5m	7 m	45	250	5	0,12

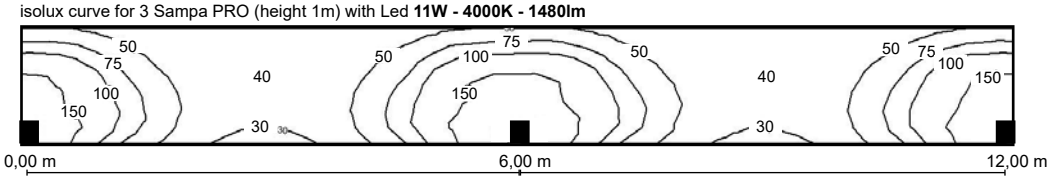
isolux curve for 3 Sampa PRO (height 1m) with Led **6W - 4000K - 805lm**



illumination on 12mx1,4m
- average: 42 lux
- minimal: 14 lux
- maximal: 139 lux

Uniformity min/ave: 0,32
Uniformity min/max: 0,10

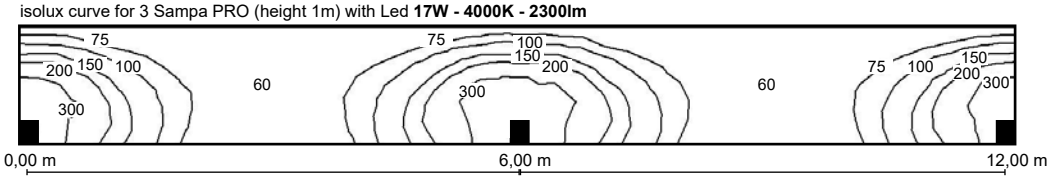
isolux curve for 3 Sampa PRO (height 1m) with Led **11W - 4000K - 1480lm**



illumination on 12mx1,4m
- average: 76 lux
- minimal: 25 lux
- maximal: 250 lux

Uniformity min/ave: 0,32
Uniformity min/max: 0,10

isolux curve for 3 Sampa PRO (height 1m) with Led **17W - 4000K - 2300lm**



illumination on 12mx1,4m
- average: 131 lux
- minimal: 40 lux
- maximal: 485 lux

Uniformity min/ave: 0,32
Uniformity min/max: 0,08

230V
2x 3,2W

Kozi FL

IP65
230V
IK06

DESCRIPTION

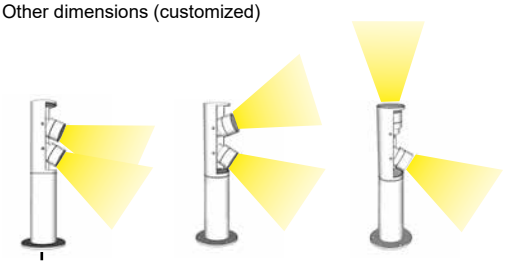
Body made in solid anodized aluminum or stainless steel
Screws in stainless steel
Degree of protection IP65 - IK06
Safety clear plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated

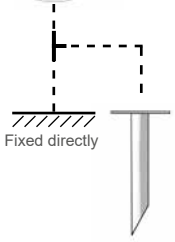
ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Anti-glare ring - ref: AC.8042.AG._ _

ON REQUEST

Other anodized color
Other led color: 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included
Other dimensions (customized)

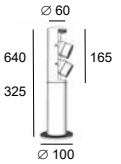


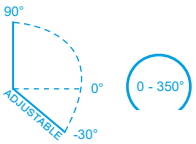


See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 1

max. efficacity 128lm/W





Typical luminous flux (lm)	
	2x 3,2W
2700 K	2x 355
3000 K	2x 370
4000 K	2x 395
5000 K	2x 410

code: 8043 . X XX . XX
height
led
color

HEIGHT

1	325mm
2	640mm

LED

27	2 x 3,2W - 2700K - 50°
30	2 x 3,2W - 3000K - 50°

COLOR

02A	Anodized black
04	Brushed stainless steel
32D	Anodized aluminum
33	Anodized bronze

4000K / 5000K = on request
diffusion angle 35° = on request

Kozi FL

Led garden bollard

Anodized black

Anodized bronze

Brushed stainless steel

230V
GU10

Max FL

IP65

230V

IK07

DESCRIPTION

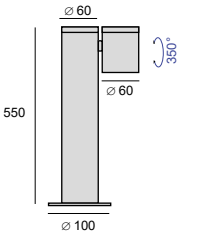
Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP65 - IK07

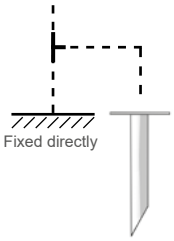
ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Available with 2 adjustable spotlights





Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 975. GU . XX
color

DIMMABLE

BULB

GU	GU10 LED (max. height 56mm)

COLOR

02	Black
04	Brushed stainless steel
07	Brushed brass
21	Brushed copper
32	Anodized aluminum
39	Grey

Max FL

Led garden bollard

230V
E27

Sarm FL

IP65

230V

IK08

DESCRIPTION

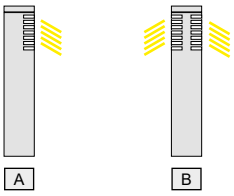
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK08

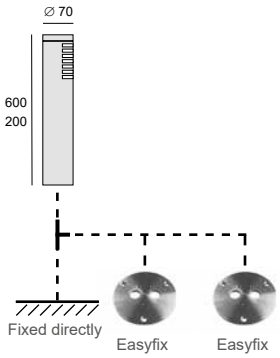
ACCESSORIES

Base plate Ø 100mm - Easyfix ref: X100A. _ _
Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other RAL colors
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)





See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Pic 1

code: 8018 . XX. XX E27 LED (max. diameter 53mm / height 145mm) DIMMABLE

height
°angle
color

HEIGHT

1	200 mm	0.8
2	600 mm	3.0

ANGLE

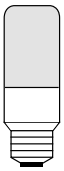
A	1 side
B	2 sides

COLOR

02	Black
39	Grey

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Sarm FL

Led garden bollard

230V
E27

Onyx FL

IP65

230V

IK07

DESCRIPTION

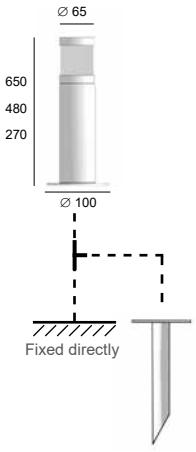
Body made in aluminum
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 715. XX . XX
height
color

E27 LED (max. diameter 48mm / height 125mm)

DIMMABLE

HEIGHT

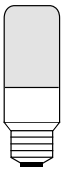
27	270 mm
48	480 mm
65	650 mm

COLOR

00	Natural brushed aluminum
02	Black

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Onyx FL

Led garden bollard

230V
E27

Manix FL

IP65

230V

IK07

DESCRIPTION

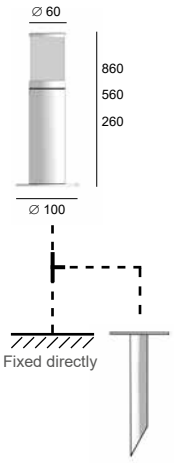
Body made in stainless steel, brass or copper
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 935. XX . XX
height
color

E27 LED (max. diameter 48mm / height 125mm)

DIMMABLE

HEIGHT

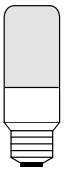
26	260 mm
56	560 mm
86	860 mm

COLOR

04	Brushed stainless steel
07	Brushed brass
21	Brushed copper

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Manix FL

Led garden bollard

230V
E27

Zebra FL

IP65

230V

IK07

DESCRIPTION

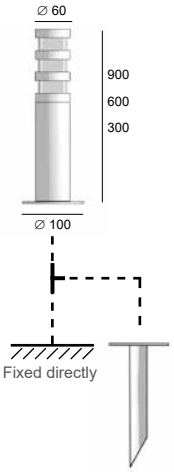
Body made in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 764. XX .04
height

E27 LED (max. diameter 37mm / height 160mm)

DIMMABLE

HEIGHT

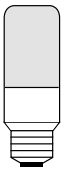
30	300 mm
60	600 mm
90	900 mm

COLOR

04	Brushed stainless steel

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Zebra FL

Led garden bollard

Serie “Atrex FL” on request

on request: 20cm height with soquet G9, G4, ...

230V
E27

Atlantic FL

IP65

230V

IK07

DESCRIPTION

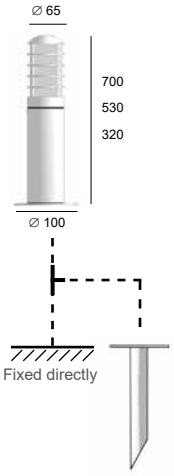
Body made in aluminum
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 180. XX . XX (height . color)

E27 LED (max. diameter 37mm / height 160mm)

DIMMABLE

HEIGHT

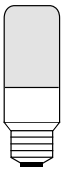
32	320 mm
53	530 mm
70	700 mm

COLOR

00	Natural brushed aluminum
02	Black

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Atlantic FL

Led garden bollard

Serie “Nobus FL” on request

Serie “Faros” on request

230V
14W - 26W

Nomad 1

IP65

230V

IK07

DESCRIPTION

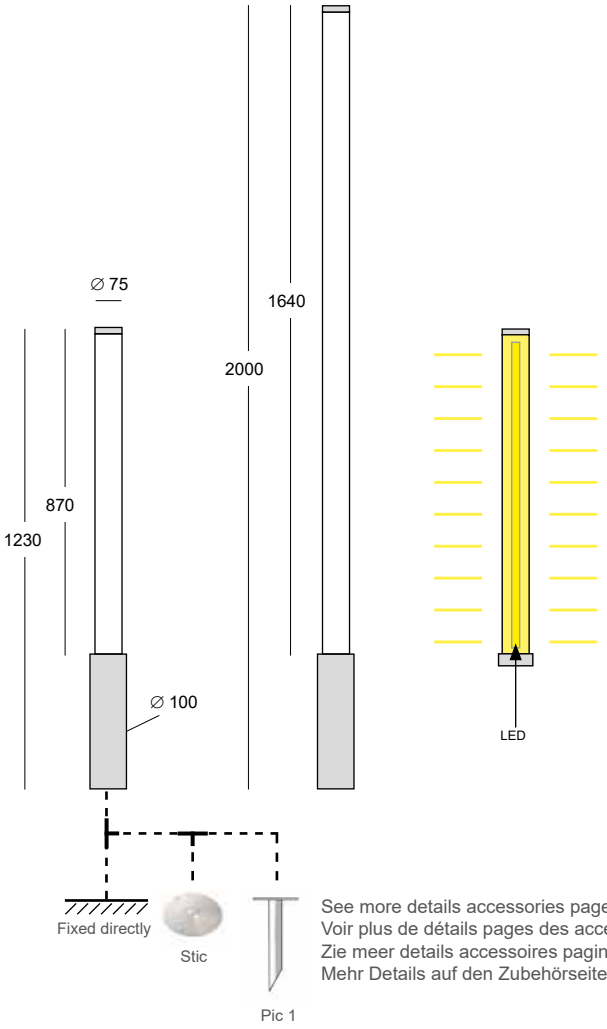
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led CRI>90 3SDCM 77.000hrs L80 B20
Power supply 220-240V incorporated
Degree of protection IP65 - IK07

ACCESSORIES

Base plate d.200mm - Stic ref: X004._ _
Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Other led color: 3000K / 4000K
Dimmable power supply 220-240V
Dimmable power supply with remote control
Other dimensions (customized)



max. efficacity 90lm/W

Typical luminous flux (lm)		
	14W	26W
2700 K	1180	2190
3000 K	1260	2340
4000 K	1270	2350

code: 7018. XXX . XX
height
color

HEIGHT

127	1230mm / 14W - 2700K	4.1
227	2000mm / 26W - 2700K	5.0

3000K / 4000K = on request

COLOR

02	Black
24	Corten
32	Anodized aluminum
39	Grey
48	Dark Grey (RAL 7016 structured)

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Nomad 1

Led garden bollard

230V
14W

Nomad 2

IP65

230V

IK07

DESCRIPTION

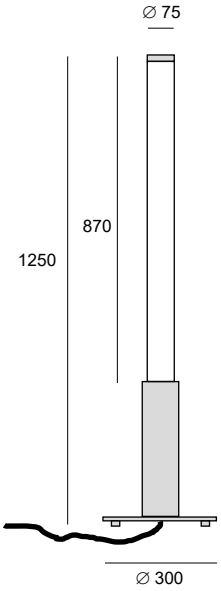
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led CRI>90 3SDCM 77.000hrs L80 B20
Power supply 220-240V incorporated
Degree of protection IP65 - IK07
Provided with 3m cable + plug

ON REQUEST

Other RAL colors
Other led color: 3000K / 4000K
Dimmable power supply 220-240V
Dimmable power supply with remote control
Other dimensions (customized)

max. efficacity 90lm/W

Typical luminous flux (lm)	
	14W
2700 K	1180
3000 K	1260
4000 K	1270



Provided with 3m cable + plug

code: 7019. XXX . XX
led
color

LED

127 14W - 2700K

3000K / 4000K = on request

COLOR

02 Black
24 Corten
32 Anodized aluminum
39 Grey
48 Dark Grey (RAL 7016 structured)

Nomad 2

Led garden bollard

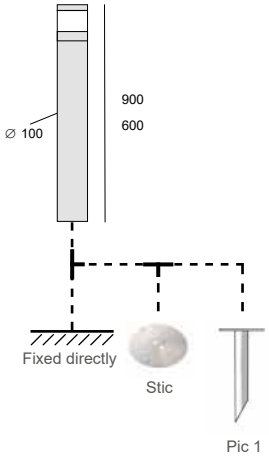
230V
6W - 9,5W

Ulyss

IP65

230V

IK09



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DESCRIPTION

Body made in aluminum or stainless steel
Screws in stainless steel
Safety clear polycarbonate
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Base plate d.200mm - Stic ref: X004._ _

ON REQUEST

Other RAL colors
Other led color: 4000K / 5000K
Dimmable power supply 220-240V
Power supply 24VDC included
Other dimensions (customized)

max. efficacity 141lm/W

Typical luminous flux (lm)		
	6W	9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 969. X XXX . XX
height | led | color

HEIGHT

2	600 mm
3	900 mm

4000K / 5000K = on request

LED

271	6W - 2700K
272	9,5W - 2700K
301	6W - 3000K
302	9,5W - 3000K

COLOR

02	Black
04	Brushed stainless steel
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

Ulyss

Led garden bollard

230V
6W - 17W

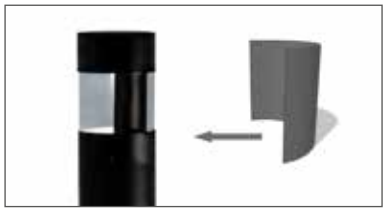
Ulyss Pro

IP65

230V

IK09

180° asymmetric beam cover
Visor HC ref: 969.AC01.02A



code: 969 XX . XX . XX
detector
led
color

DESCRIPTION

Body made in profile aluminum
Screws in stainless steel
Safety clear polycarbonate
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Presence detector included (around 8m)
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

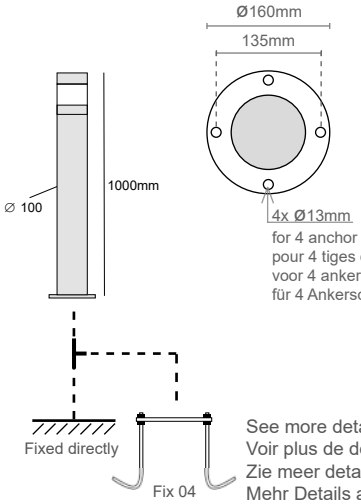
ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Infrared remote control - ref: DET.IR.D1
Asymmetric beam - Cover 180° ref: 969.AC01.02A
Anchor kit ground fixing - Fix 04 ref: AC.FX24.GZ

ON REQUEST

Other RAL colors
Other led color: 2700K / 5000K
Detector with master/slave function
Other dimensions (customized)

Base Plate



for 4 anchor bolts M10 (not supplied)
pour 4 tiges de scellement M10 (non fournies)
voor 4 ankerbouten M10 (niet meegeleverd)
für 4 Ankerschrauben M10 (nicht enthalten)

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

DECTECTOR

D1	With presence detector
D3	With motion detector (On/Off)
P1	Without detector

LED

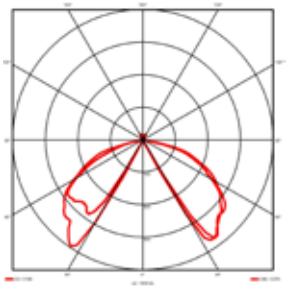
301	11W - 3000K
302	17W - 3000K
401	11W - 4000K
402	17W - 4000K

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

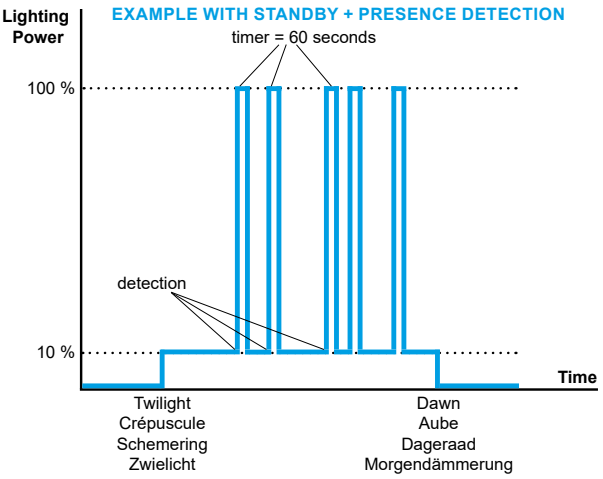
Ulyss PRO

Led garden bollard



Technical characteristics

- Fixing bracket for the detector in solid aluminum
- Presence detector (around 8m) with presetting:
  - standby function with orientation lighting of 10%
  - timer 60 seconds
  - Twilight function at 200 lux
  ..... or other adjustments on request



Architecte JFA - Jacques FERRIER Architecture avec Mr PERRIN / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble INFLUENCE, conseil Régional Île-de-France à Saint Ouen

Architecte JFA - Jacques FERRIER Architecture avec Mr PERRIN / Photographe : Isabelle SMOLINSKI
Aménagement de l'espace extérieur, immeuble INFLUENCE, conseil Régional Île-de-France à Saint Ouen

230V
E27

Sumo FL

IP65
230V
IK07

DESCRIPTION

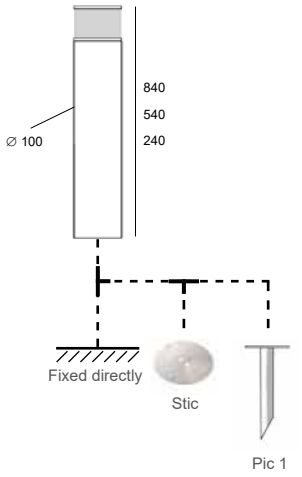
Body made in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Base plate d.200mm - Stic ref: X004._ _
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 973. XX. 04
height

E27 LED (max. diameter 49mm / height 137mm)

DIMMABLE

HEIGHT

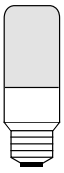
24	240 mm	2.6
54	540 mm	4.6
84	840 mm	7.0

COLOR

04 Brushed stainless steel

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Sumo FL

Led garden bollard

Painted aluminum = on request

230V
E27

Sumo RFL

IP65

230V

IK07

DESCRIPTION

Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

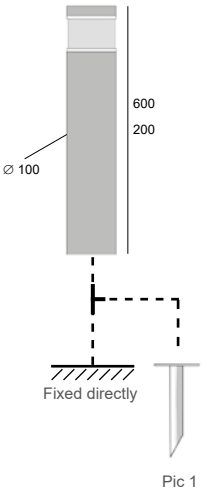
ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

Weight (kg)	200mm	600mm
41	3,30	10,70
42	2,00	5,40



Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 963. XX .41
height

E27 LED (max. diameter 52mm / height 137mm)

DIMMABLE

HEIGHT

20 200 mm
60 600 mm

COLOR

41 Belgian Pierre

Other socket for LED (G9, G4, E14,...) = on request

Accessory

code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Sumo RFL

Led garden bollard

230V
E27

Spirit FL

IP65

230V

IK07

DESCRIPTION

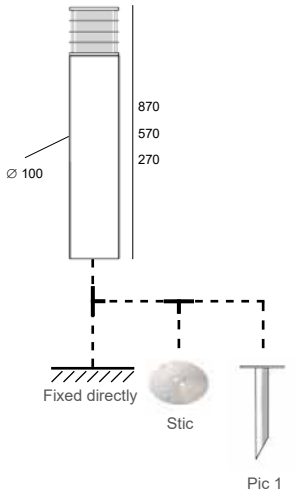
Body made in stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Base plate d.200mm - Stic ref: X004._ _
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 971. XX .04 E27 LED (max. diameter 49mm / height 160mm) DIMMABLE

height

HEIGHT

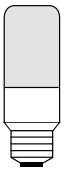
27	270 mm	2.7
57	570 mm	4.7
87	870 mm	7.1

COLOR

04 Brushed stainless steel

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Spirit FL

Led garden bollard

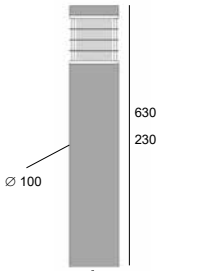
230V
E27

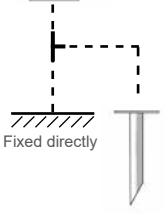
Spirit RFL

IP65

230V

IK07





Pic 1

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 954. XX .41
height

E27 LED (max. diameter 52mm / height 160mm)

DIMMABLE

DESCRIPTION

Body made in certified genuine Belgian stone
All metal parts are made of stainless steel
Safety sandblasted plexiglass
Degree of protection IP65 - IK07

ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Led Bulb E27

ON REQUEST

Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

HEIGHT

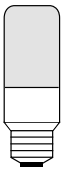
23	230 mm	3,40
63	630 mm	10,80

COLOR

41 Belgian Pierre

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Spirit RFL

Led garden bollard

Serie “Strida RFL” on request

230V
E27

Sabri FL

IP65

230V

IK09

1,55

DESCRIPTION

Body made in aluminum or stainless steel
Screws in stainless steel
Safety clear polycarbonate
Anti-glare grid made in aluminum
Degree of protection IP65 - IK09

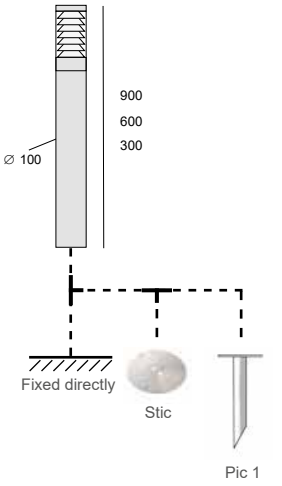
ACCESSORIES

Spike for ground fixing - Pic 1 ref: 802.00.02
Base plate d.200mm - Stic ref: X004._ _
Led Bulb E27

ON REQUEST

Other RAL colors
Other dimensions (customized)
Other socket for LED (G9, G4, E14 …)

Weight (kg)			
	300mm	600mm	900mm
02,39	1,55	3,00	4,50
04	2,65	4,45	5,75



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 212. XX . XX E27 LED (max. diameter 38mm / height 185mm) DIMMABLE

height

color

HEIGHT

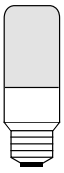
11	300 mm
21	600 mm
31	900 mm

COLOR

02	Black
04	Brushed stainless steel
39	Grey

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Sabri FL

Led garden bollard

230V
E27

Cambridge FL

IP45

230V

DESCRIPTION

Body made in casted brass
Screws in brass
Safety sandblasted glass
Degree of protection IP45

ACCESSORIES

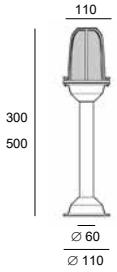
Led Bulb E27

ON REQUEST

Other socket for LED (G9, G4, E14 …)

code: 114.X.07 E27 LED (max. diameter 50mm / height 137mm) DIMMABLE

height



HEIGHT

6	300 mm	2.1
7	500 mm	2.5

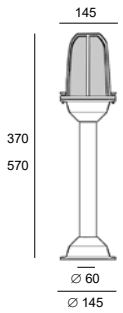
COLOR

07	Natural brass

Other socket for LED (G9, G4, E14,...) = on request

code: 117.X.07 E27 LED (max. diameter 65mm / height 170mm) DIMMABLE

height



HEIGHT

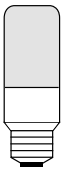
6	370 mm	3.1
7	570 mm	3.5

COLOR

07	Natural brass

Other socket for LED (G9, G4, E14,...) = on request

Accessory



code: LED.E201.10830

LED bulb E27 38x115mm
9,5W 830 Non-Dim

Cambridge FL

Led garden bollard

Nomad 1

Garden bollard > 1,5m

Exterior

230V
13W - 18W

Torga L

IP65
230V
IK07

DESCRIPTION

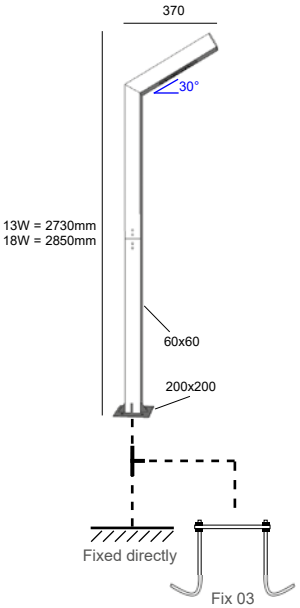
Body made in profile aluminum
Screws in stainless steel
13W = Led module CRI>80 3SDCM 70.000hrs L80 B10
18W = Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK07

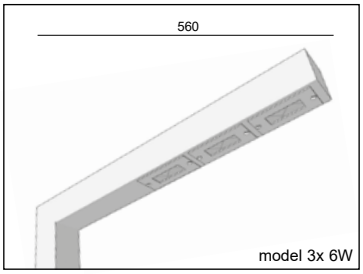
ACCESSORIES

IP68 connection - Connex 2 / 4 / 6
Anchor kit ground fixing - Fix 03 ref: AC.FX23.GZ

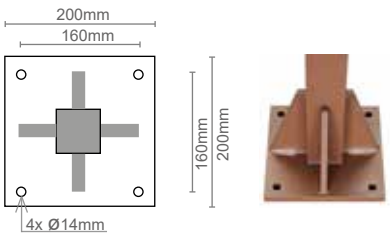
ON REQUEST

Other RAL colors
Only for 18W (3x 6W) : 2700K / 5000K
Dimmable power supply 220-240V
Other dimensions (customized)





Base Plate



for 4 anchor bolts M10 (not supplied)
pour 4 tiges de scellement M10 (non fournies)
voor 4 ankerbouten M10 (niet meegeleverd)
für 4 Ankerschrauben M10 (nicht enthalten)

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 8009. 5XXX. XX
led color

LED

D87	13W (8x 1,6W) - 15° - 5000K
D88	18W (3x 6W) - 50° - 4000K
W87	13W (8x 1,6W) - 15° - 3000K
W88	18W (3x 6W) - 50° - 3000K

18W 2700K / 5000K = on request

COLOR

02	Black
24	Corten
39	Grey

max. efficacity 141lm/W

Typical luminous flux (lm)		
	13W	18W
2700 K		2175
3000 K	1130	2280
4000 K		2415
5000 K	1230	2535

Torga L

Led garden bollard

model 18W

230V
28,5W - 57W

Artist

IP65

230V

IK07

DESCRIPTION

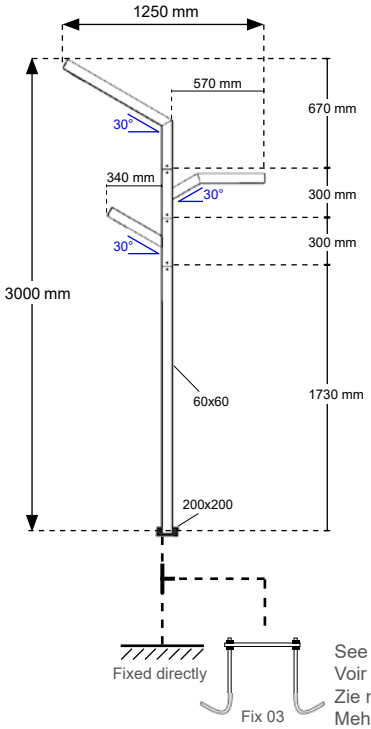
Body made in profile aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK07

ACCESSORIES

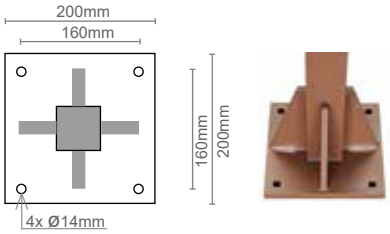
IP68 connection - Connex 2 / 4 / 6
Anchor kit ground fixing - Fix 03 ref: AC.FX23.GZ

ON REQUEST

Other RAL colors
Other led color: 2700K / 5000K
Led 57W 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Other dimensions (customized)



Base Plate



for 4 anchor bolts M10 (not supplied)
pour 4 tiges de scellement M10 (non fournies)
voor 4 ankerbouten M10 (niet meegeleverd)
für 4 Ankerschrauben M10 (nicht enthalten)

Each part can be fixed as you choice at 90°
Other dimensions (customized) = on request

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 7010.1 XXX . XX
led color

LED

D31 28,5W (3x 9,5W) - 4000K
W31 28,5W (3x 9,5W) - 3000K

2700K / 5000K = on request
57W: 2700K / 3000K / 4000K / 5000K = on request

COLOR

02 Black
24 Corten
39 Grey

max. eficacity 121lm/W

Typical luminous flux (lm)		
	28,5W	57W
2700 K	2985	5970
3000 K	3105	6210
4000 K	3285	6570
5000 K	3450	6900

Artist

Led garden bollard

230V
11W - 34W

Sampa L1

IP65

230V

IK08

DESCRIPTION

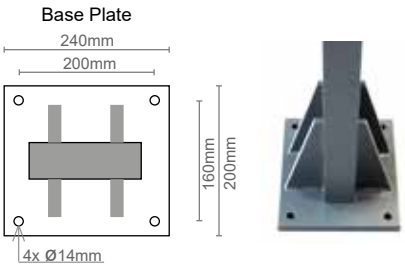
Body made in profile aluminum
Screws in stainless steel
Asymmetrical silicone lens anti-UV, efficiency 89%
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK08

ACCESSORIES

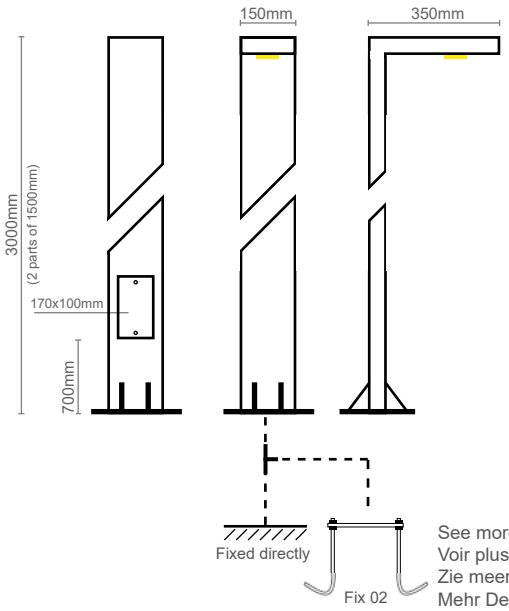
IP68 connection - Connex 2 / 4 / 6
Anchor kit ground fixing - Fix 02 ref: AC.FX22.GZ

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 2700K / 5000K
Led 11W or 34W: 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Presence or motion detector (around 8m)



for 4 anchor bolts M10 (not supplied)
pour 4 tiges de scellement M10 (non fournies)
voor 4 ankerbouten M10 (niet meegeleverd)
für 4 Ankerschrauben M10 (nicht enthalten)



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 7017.L1 XX . XX
XX = led, XX = color

LED

N3	17W - 4000K
W3	17W - 3000K

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

2700K / 5000K = on request
11W or 34W 2700K / 3000K / 4000K / 5000K = on request

max. efficacity 142lm/W

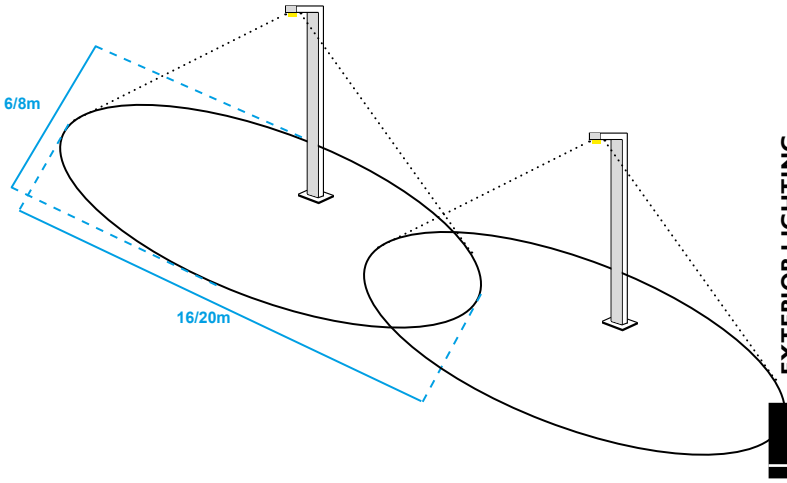
Typical luminous flux (lm)			
	11W	17W	34W
2700 K	1350	2090	4180
3000 K	1400	2180	4360
4000 K	1480	2310	4620
5000 K	1540	2415	4830

Sampa L1

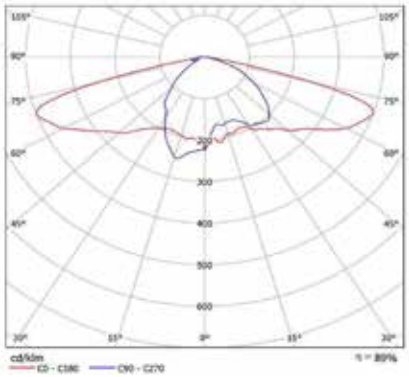
Led garden bollard

Applications

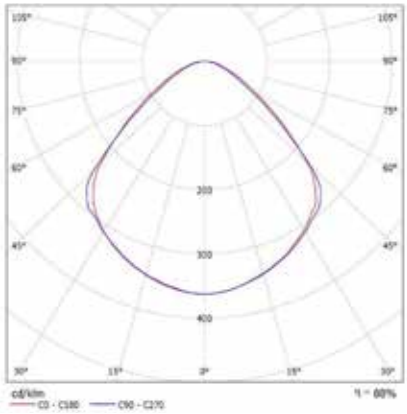
- Footpath
- Car park
- Park
- Building entrance
- Bicycle path
- PRM area



Standard Lens (asymmetrical)



On request: symmetrical lens



34W = on request

230V
22W - 34W

Sampa L2

IP65

230V

IK08

DESCRIPTION

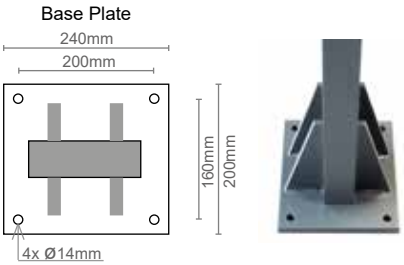
Body made in profile aluminum
Screws in stainless steel
Asymmetrical silicone lens anti-UV, efficiency 89%
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Degree of protection IP65 - IK08

ACCESSORIES

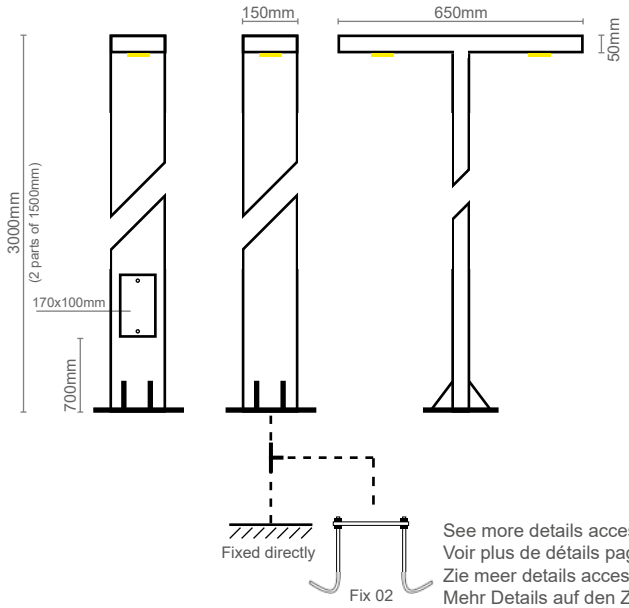
IP68 connection - Connex 2 / 4 / 6
Anchor kit ground fixing - Fix 02 ref: AC.FX22.GZ

ON REQUEST

Other RAL colors or dimensions (customized)
Other led color: 2700K / 5000K
Led 2x11W: 2700K / 3000K / 4000K / 5000K
Dimmable power supply 220-240V
Presence or motion detector (around 8m)



for 4 anchor bolts M10 (not supplied)
pour 4 tiges de scellement M10 (non fournies)
voor 4 ankerbouten M10 (niet meegeleverd)
für 4 Ankerschrauben M10 (nicht enthalten)



See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 7017.L2 XX . XX
led
color

LED

N3	2x 17W - 4000K
W3	2x 17W - 3000K

2700K / 5000K = on request
2x 11W 2700K / 3000K / 4000K / 5000K = on request

COLOR

02	Black
24	Corten
39	Grey
48	Dark Grey (RAL 7016 structured)

max. efficacity 142lm/W

Typical luminous flux (lm)			
	11W	17W	34W
2700 K	1350	2090	4180
3000 K	1400	2180	4360
4000 K	1480	2310	4620
5000 K	1540	2415	4830

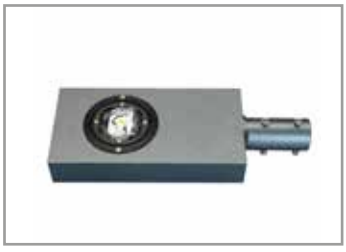
Sampa L2

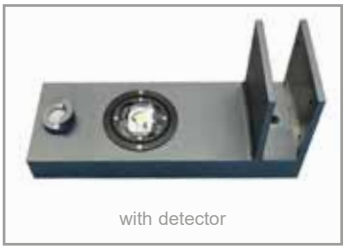
Led garden bollard

Applications

- Footpath
- Car park
- Park
- Building entrance
- Bicycle path
- PRM area

Available on request





with detector

230V
9W

Elyo FL

DESCRIPTION

Body made in aluminum or stainless steel
Screws in stainless steel
Safety clear polycarbonate
Anti-glare grid made in aluminum
Led CRI>90 3SDCM 77.000hrs L80 B20
Power supply 220-240V incorporated
Degree of protection IP65 - IK09

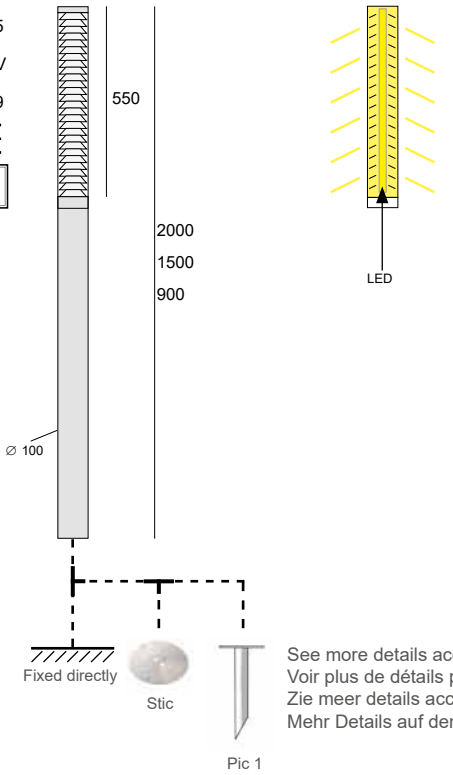
ACCESSORIES

Spike for ground fixing - Pic 1 (not for 2000mm)
Base plate d.200mm - Stic ref: X004._ _

ON REQUEST

Other RAL colors
Other led color: 3000K / 4000K
Dimmable power supply 220-240V
Dimmable power supply with remote control
Other dimensions (customized)

IP65
230V
IK09



max. efficacity 90lm/W

Typical luminous flux (lm)	9W
2700 K	760
3000 K	810
4000 K	820

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

code: 217. X XX . XX
height | led | color

HEIGHT

1	900 mm
2	1500 mm
3	2000 mm

3000K / 4000K = on request

LED

27	LED 9W - 2700K

COLOR

02	Black
04	Brushed stainless steel
24	corten
39	Grey

Weight (kg)	900mm	1500mm	2000mm
02,24,39	3,40	5,50	7,30
04	4,90	9,40	13,20

Elyo FL

Led garden bollard

230V
14W - 26W

Nomad 1

IP65

230V

IK07

DESCRIPTION

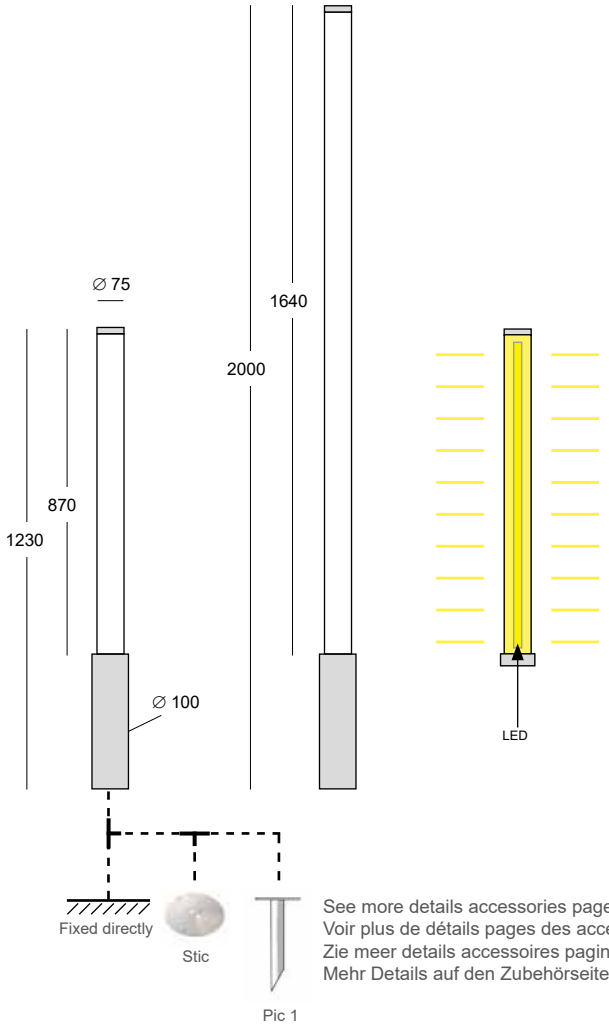
Body made in aluminum
Screws in stainless steel
Safety sandblasted plexiglass
Led CRI>90 3SDCM 77.000hrs L80 B20
Power supply 220-240V incorporated
Degree of protection IP65 - IK07

ACCESSORIES

Base plate d.200mm - Stic ref: X004._ _
Spike for ground fixing - Pic 1 ref: 802.00.02

ON REQUEST

Other RAL colors
Other led color: 3000K / 4000K
Dimmable power supply 220-240V
Dimmable power supply with remote control
Other dimensions (customized)



max. efficacity 90lm/W

Typical luminous flux (lm)		
	14W	26W
2700 K	1180	2190
3000 K	1260	2340
4000 K	1270	2350

code: 7018. XXX . XX
height
color

HEIGHT

127	1230mm / 14W - 2700K	4.1
227	2000mm / 26W - 2700K	5.0

3000K / 4000K = on request

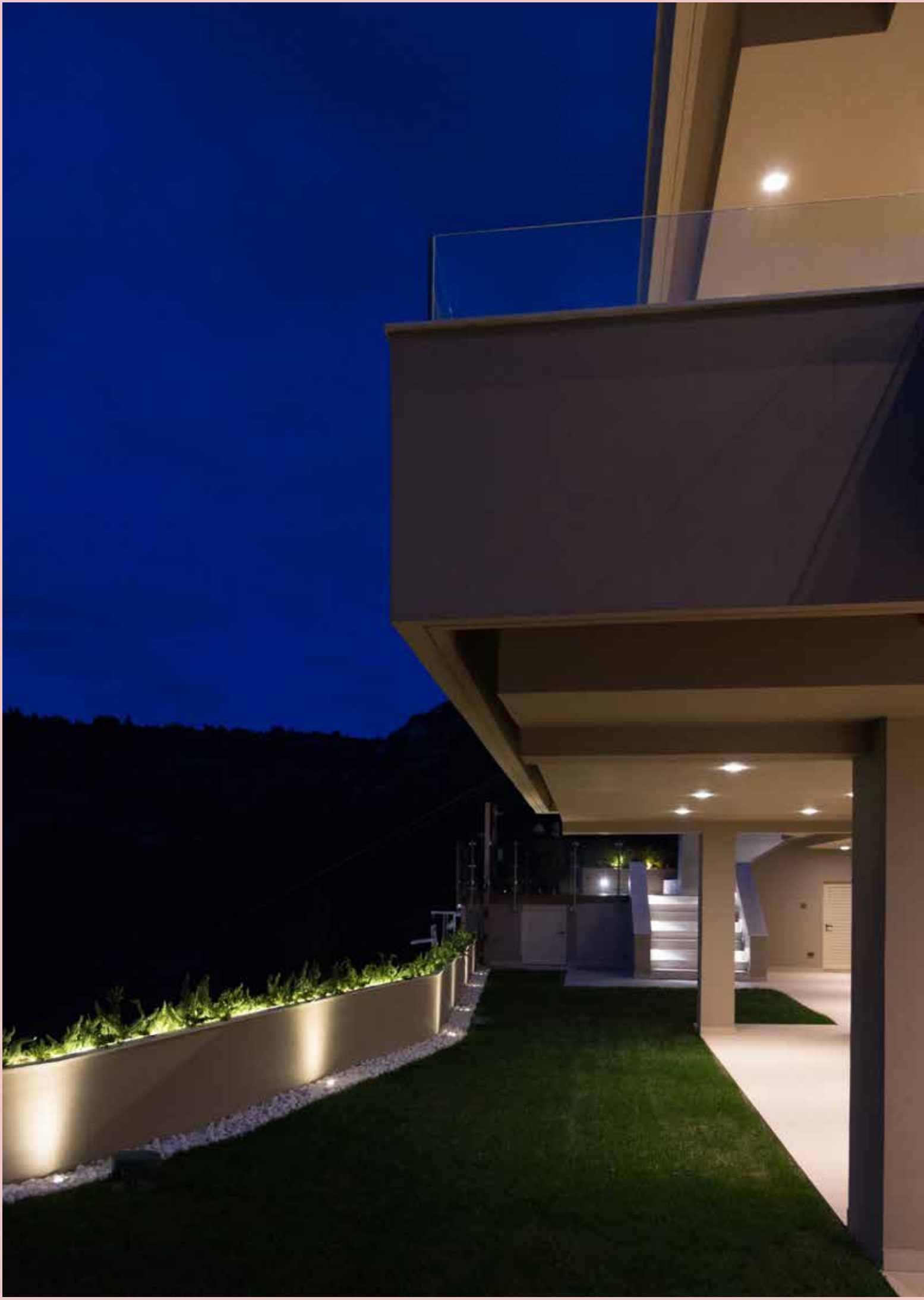
COLOR

02	Black
24	Corten
32	Anodized aluminum
39	Grey
48	Dark Grey (RAL 7016 structured)

See more details accessories pages.
Voir plus de détails pages des accessoires.
Zie meer details accessoires pagina's.
Mehr Details auf den Zubehörseiten.

Nomad 1

Led garden bollard



Floor lighting

Exterior

CUSTOMIZATION - PERSONNALISATION

Floor uplighting

For more than 30 years, we have been continuously innovating and improving our lighting techniques for recessed in-ground luminaires. Our quality criteria and manufacturing processes by machining allow perfect control of the quality and robustness of this class of devices. There are many possibilities to install these luminaires as there are many different types of recess. Flood protection, the weight supported, the need to be in permanent immersion, the depth and quality of the ground, the dimension of the recess, etc… are important criteria which play a decisive role in defining the selection of the right one product.

You will find below the different series possibilities offered by BEL Lighting.

WE ALSO CUSTOMIZE:
- Dimension of the cover plate
- Custom output cable length
- 2700K, 3000K, 4000K and 5000K are often available on request (if not standard)
- LED CRI>90 is often available on request (if not standard)
- White sandblasted glass is available on request (if not standard)

Feel free to ask a question if you would like customization

Spots de sol

Depuis plus de 30 ans, nous innovons et améliorons en permanence nos techniques d'éclairage pour les luminaires encastrés dans le sol. Nos critères de qualité et procédés de fabrication par usinage permettent une maitrise parfaite de la qualité et la robustesse de cette classe d'appareils. Il existe de nombreuses possibilités d'installer ces luminaires comme il existe de nombreux types d'encastrement différents. La protection contre les inondations, le poids supporté, le besoin d'être en immersion permanente, la profondeur et la qualité du sol, la dimension d'encastrement, etc… sont des critères importants qui jouent un rôle décisif pour définir la sélection du bon produit.

Vous trouverez ci-après les différentes possibilités de série qu'offre BEL Lighting.

NOUS PERSONNALISONS AUSSI :
- Dimension de la collerette sur mesure
- Longueur du câble de sortie sur mesure
- 2700K, 3000K, 4000K et 5000K sont souvent disponibles sur demande (si pas de série)
- LED CRI>90 est souvent disponible sur demande (si pas de série)
- Verre sablé blanc est disponible sur demande (si pas de série)

N'hésitez pas à nous contacter pour toutes demandes de personnalisation

Bodenleuchten

Seit mehr als 30 Jahren erneuern und verbessern wir unsere Beleuchtungstechniken für Bodeneinbauleuchten kontinuierlich Unsere Qualitätskriterien und Fertigungsverfahren durch spanende Bearbeitung ermöglichen eine perfekte Kontrolle der Qualität und Robustheit dieser Geräteklasse. Es gibt viele Möglichkeiten, diese Leuchten zu installieren, da es viele verschiedene Arten von Aussparungen gibt. Hochwasserschutz, das abgestützte Gewicht, die Notwendigkeit des ständigen Untertauchens, die Tiefe und Beschaffenheit des Bodens, die Größe der Vertiefung usw. sind wichtige Kriterien, die bei der Auswahl des richtigen Bodens eine entscheidende Rolle spielen produkt.

Nachfolgend finden Sie unsere verschiedene Serienmöglichkeiten die BEL Lighting anbietet.

ANPASSUNGSMÖGLICHKEITEN:
- Abmessung der Deckplatte
- Benutzerdefinierte Länge des Ausgangskabels
- 2700K, 3000K, 4000K und 5000K sind oft auf Anfrage erhältlich (wenn nicht Standard)
- LED CRI>90 ist oft auf Anfrage erhältlich (wenn nicht Standard)
- Weißes sandgestrahltes Glas ist auf Anfrage erhältlich (falls nicht Standard)

Sprechen Sie uns gerne an, wenn Sie eine Frage haben oder Sie wünschen evtl. Anpassungen.

MAATWERK - ANPASSUNG - ΠΡΟΣΑΡΜΟΓΗ

Grondspots

Al meer dan 30 jaar zijn we continu bezig met het innoveren en verbeteren van onze verlichtingstechnieken voor grond inbouwspots. Onze kwaliteitscriteria en fabricageprocessen door bewerking in eigen bedrijf zorgen voor een perfecte controle van de kwaliteit en robuustheid van deze klasse toestellen. Gezien er veel soorten inbouw variaties zijn bieden we veel verschillende inbouw mogelijkheden aan. Bescherming tegen overstromingen, de bescherming voor overrijdend gewicht, de noodzaak tot permanente onderdompeling, de inbouwdiepte en soort van de ondergrond, de afmeting van de uitsparing, enz… zijn belangrijke criteria die een beslissende rol spelen bij het bepalen van de keuze van het juiste product.

Hieronder vindt u de verschillende seriemogelijkheden die BEL Lighting biedt.

WIJ PASSEN OOK AAN:
- Afmeting van de op maat gemaakte afwerkingsplaat
- Aangepaste kabellengte voor aansluiting
- 2700K, 3000K, 4000K en 5000K zijn vaak op aanvraag leverbaar (indien niet standaard)
- LED CRI>90 is vaak op aanvraag leverbaar (indien niet standaard)
- Wit gezandstraald glas is op aanvraag leverbaar (indien niet standaard)

Stel gerust een vraag als je maatwerk wilt

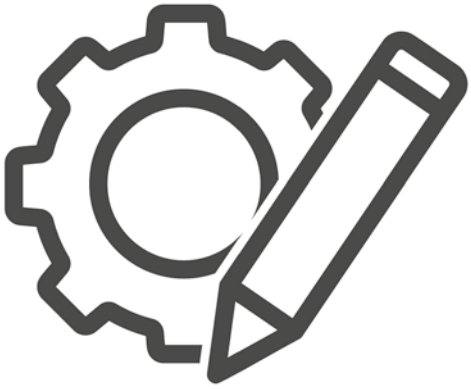
Σποτ εδάφους

Για περισσότερα από 30χρόνια, καινοτομούμε και συνεχώς βελτιώνουμε τα προϊόντα μας , τα οποία προορίζονται για τοποθέτηση στο έδαφος (χωνευτά εδάφους). Τα ποιοτικά μας κριτήρια και οι διαδικασίες κατασκευής με μηχανική κατεργασία, μάς επιτρέπουν τον απόλυτο έλεγχο της ποιότητας και της στιβαρότητας αυτής της κατηγορίας φωτιστικών. Οι δυνατότητες εγκατάστασης αυτών , δεδομένου ότι υπάρχουν πολλοί διαφορετικοί τύποι εσοχής, είναι πάρα πολλές. Τα κριτήρια, που παίζουν καθοριστικό ρόλο στην επιλογή του σωστού προϊόντος είναι πολλά: η στεγανότητα, το υποστηριζόμενο βάρος, η ανάγκη για μόνιμη βύθιση, το βάθος και η ποιότητα του εδάφους, η διάσταση της εσοχής είναι κάποια από αυτά.

Παρακάτω θα βρείτε τις διάφορες σειρές δυνατότητες που προσφέρει η BEL Lighting.

ΕΠΙΣΗΣ ΠΡΟΣΑΡΜΟΖΟΥΜΕ:
- Διαστάσεις πλάκας
- Μήκος καλωδίου των προκαλωδιωμένων φωτιστικών
- 2700K, 3000K, 4000K, 5000K είναι διαθέσιμα στην πλειονότητα των φωτιστικών κατόπιν ζήτησης (εάν δεν είναι στην εργοστασιακή έκδοση του φωτιστικού)
- LED CRI >90 είναι επίσης διαθέσιμο κατόπιν ζήτησης (εάν δεν είναι στην εργοστασιακή έκδοση του φωτιστικού)
- Αμμοβολισμένο γυαλί επίσης διαθέσιμο κατόπιν ζήτησης

Στη διάθεσή σας για οποιαδήποτε ερώτηση αναφορικά με εξειδικευμένη έκδοση οποιουδήποτε φωτιστικού



350mA & 230V
3,2W - 4W

Micro TR

0,5

IP65

IK09

0,40

DESCRIPTION

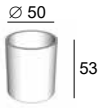
Body made in solid aluminum or stainless steel
Screws in stainless steel
Degree of protection IP65 - IK09
Safety plexiglass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Class 1 (230V) or Class 3 (350mA)

ACCESSORIES

Led driver 350mA CC (not for 230V model)
Lens 10° - ref: AC.8041.32

ON REQUEST

Other RAL colors
Other anodized color
Other material: brass / copper / ...
Only for led 3,2W 350mA : 3000K / 5000K
Only for led 4W 230V : 3000K / 4000K



max. efficacity 128lm/W

Typical luminous flux (lm)		
	4W	3,2W
2700 K	315	355
3000 K	320	370
4000 K	340	395
5000 K		410

code: 1107. XXX . XX
led color

DIMMABLE

LED

D32	3,2W 350mA - 4000K - 70°
W03	4W 230V - 2700K - 70°
W32	3,2W 350mA - 2700K - 70°

COLOR

01	White
02	Black
04	Brushed stainless steel
32	Anodized aluminum

1,1W 350mA 2700K / 3000K / 4000K / 5000K = on request
3,2W 350mA 3000K / 5000K = on request
4W 230V 3000K / 4000K = on request

Micro TR

Led uplighting

230V
GU10

Max TR

IP65

230V

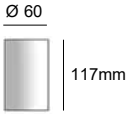
IK09

DESCRIPTION

Body made in aluminum, stainless steel, brass or copper
Screws in stainless steel
Degree of protection IP65 - IK09
Safety clear plexiglass

ON REQUEST

Other RAL colors
Other anodized color
Other dimensions (customized)



code: 756. GU . XX
color

DIMMABLE

BULB

GU	GU10 LED (max. height 58mm)

COLOR

00	Natural brushed aluminum	0.4
02	Black	0.4
04	Brushed stainless steel	0.6
07	Brushed brass	0.8
21	Brushed copper	0.8
39	Grey	0.4

Max TR

Led uplighting

350mA
3,2W - 6W

Focus

IP67

350mA

IK09

DESCRIPTION

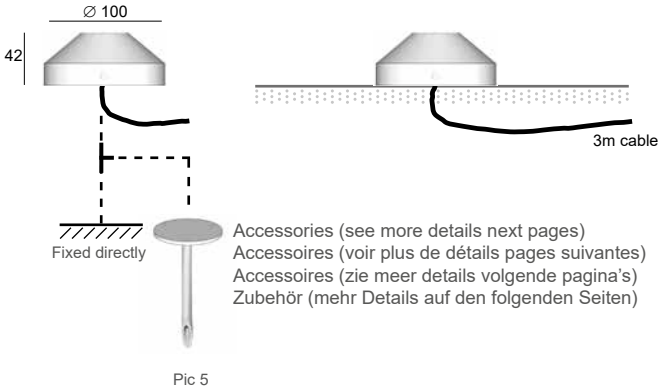
Body made in solid anodized aluminum or stainless steel 316L
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP67 - IK09
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 3m cable

ACCESSORIES

Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare honeycomb - Louver ref: X060.029.3
Spike for ground fixing - Pic 5 ref: 804.05.02A
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 5000K
Other cable length (customized)
Other anodized color



Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

Pic 5

max. efficacity 141lm/W

Typical luminous flux (lm)		
	3,2W	6W
2700 K	355	725
3000 K	370	760
4000 K	395	805
5000 K	410	845

code: 365. XX X . XX
led
power
color

DIMMABLE

LED

27 2700K
30 3000K
40 4000K

5000K = on request

POWER

2 3,2W 70°
3 6W 70°

COLOR

02A Anodized black
16 Brushed stainless steel 316L
32 Anodized aluminum
33 Anodized bronze

Focus
Led uplighting

500mA
4,5W - 9,5W

Target

IP66

500mA

IK07

DESCRIPTION

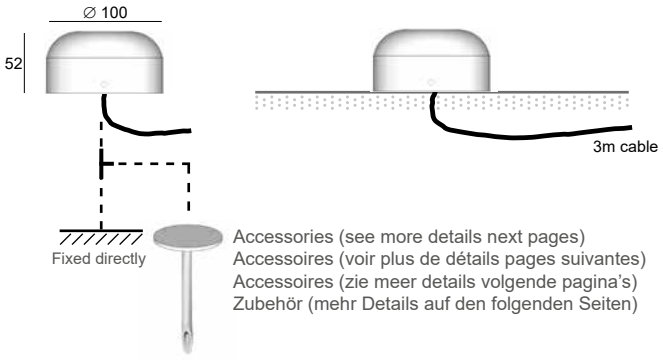
Body made in solid anodized aluminum
Screws in stainless steel
Safety clear plexiglass
Degree of protection IP66 - IK07
Led 500mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 3m cable

ACCESSORIES

Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Spike for ground fixing - Pic 5 ref: 804.05.02A
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Painted in RAL colors
Other led color: 5000K
Other cable length (customized)



Pic 5

Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 134lm/W

Typical luminous flux (lm)				
	Led 4,5W		Led 9,5W	
	350mA 3,2W	500mA 4,5W	350mA 6W	500mA 9,5W
2700 K	355	480	725	995
3000 K	370	510	760	1035
4000 K	395	540	805	1095

code: 367. XX X XX . XX

DIMMABLE

- XX — led
- X — power
- XX — angle
- XX — color

LED

27	2700K
30	3000K
40	4000K

5000K = on request

POWER

2	4,5W 500mA
3	9,5W 500mA

ANGLE

15	15°
36	36°
50	50°

COLOR

02A	Anodized black
32	Anodized aluminum

Target
Led uplighting

∅ min: 32mm

min: 85mm

350mA
3,2W

Zona V

IP68

350mA

IK10

DESCRIPTION

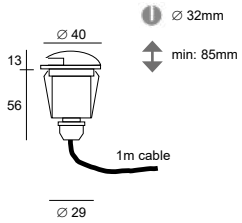
Body made in solid anodized aluminum or solid brass
Cover plate in stainless steel 316L or copper
Degree of protection IP68, water depth up to 1m
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1500kg

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Other material: brushed brass
Other led color: 3000K / 5000K
Other cable length (customized)



code: 8084V. XXX . XX
led color

DIMMABLE

max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

D30 3,2W - 4000K
W30 3,2W - 2700K

COLOR

16 Brushed stainless steel 316L
21 Brushed copper

3000K / 5000K = on request

Zona V

Led ground surface illumination

∅ min: 32mm

min: 85mm

350mA
3,2W

Zona H

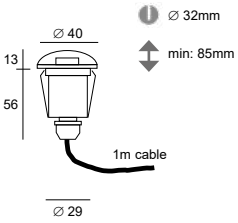
IP68

350mA

IK10

code: 8084H. XXX . XX

DIMMABLE



Zona X

IP68

350mA

IK10

code: 8084X. XXX . XX

led

color

DIMMABLE

max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

D30	3,2W - 4000K
W30	3,2W - 2700K

COLOR

16	Brushed stainless steel 316L
21	Brushed copper

3000K / 5000K = on request

Zona HX

Led ground surface illumination

DESCRIPTION

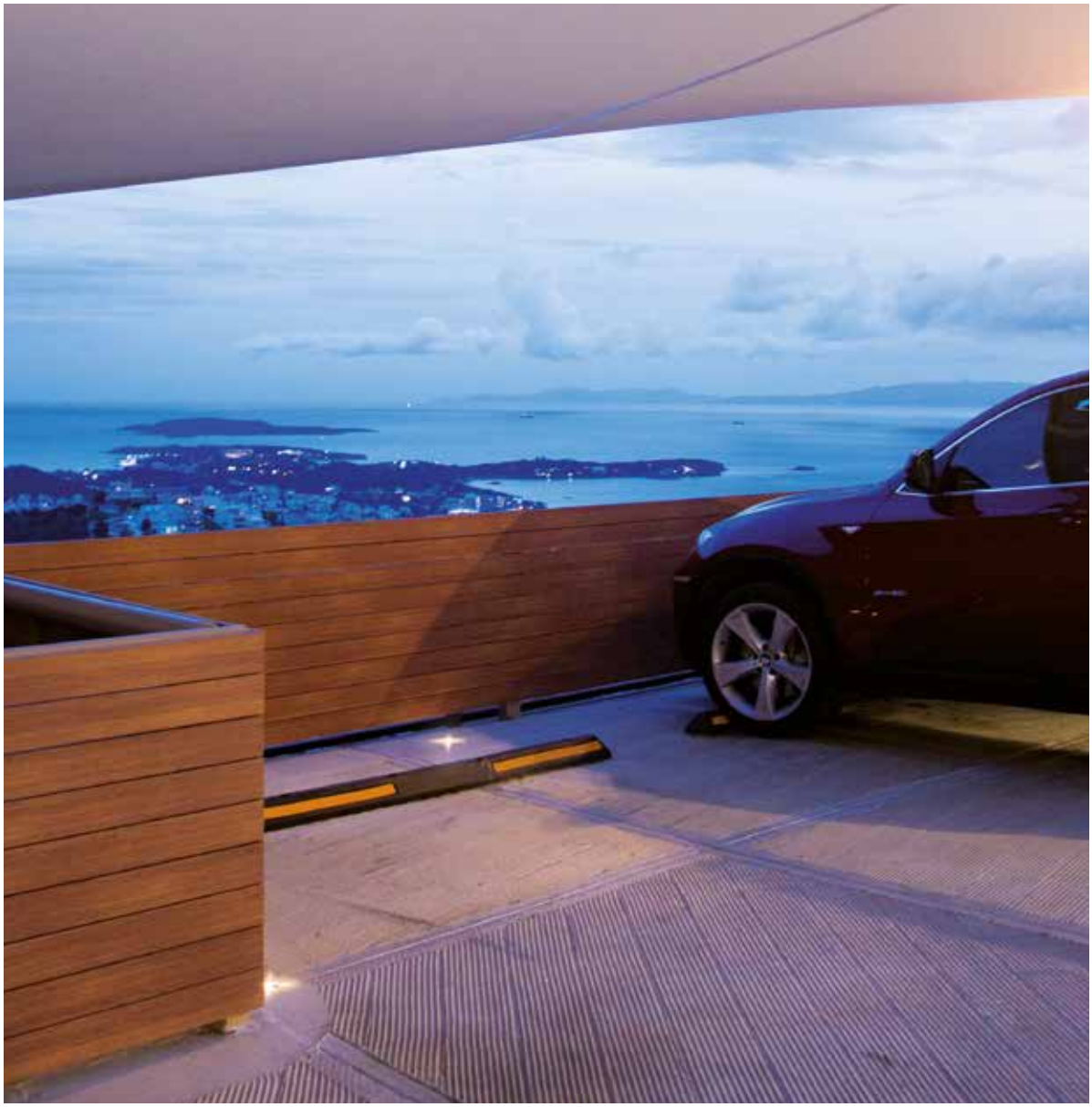
Body made in solid anodized aluminum or solid brass
Cover plate in stainless steel 316L or copper
Degree of protection IP68, water depth up to 1m
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1500kg

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Other material: brushed brass
Other led color: 3000K / 5000K
Other cable length (customized)



⌀ min: 32mm

min: 85mm

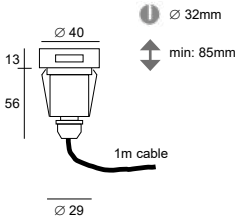
350mA
3,2W

Tango R-V

IP67
350mA
IK10

code: 8085V. XXX . XX

DIMMABLE



Tango R-H

IP67
350mA
IK10

code: 8085H. XXX . XX

DIMMABLE

Tango R-X

IP67
350mA
IK10

code: 8085X. XXX . XX

led color

DIMMABLE

max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

D30 3,2W - 4000K
W30 3,2W - 2700K

3000K / 5000K = on request

COLOR

01 White
22 Brown
39 Grey
48 Dark Grey (RAL 7016 structured)

Tango R

Led ground surface illumination

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Degree of protection IP67 - IK10
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 3000K / 5000K
Other cable length (customized)

∅ min: 32mm

min: 85mm

350mA
3,2W

Tango K-V

IP67
350mA
IK10

Tango K-H

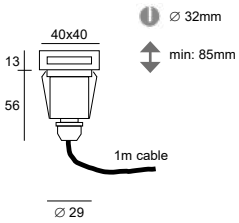
IP67
350mA
IK10

Tango K-X

IP67
350mA
IK10

code: 8087V. XXX . XX

DIMMABLE



code: 8087H. XXX . XX

DIMMABLE

code: 8087X. XXX . XX

led color

DIMMABLE

max. efficacity 128lm/W

Typical luminous flux (lm)	
	3,2W
2700 K	355
3000 K	370
4000 K	395
5000 K	410

LED

D30 3,2W - 4000K
W30 3,2W - 2700K

3000K / 5000K = on request

COLOR

01 White
22 Brown
39 Grey
48 Dark Grey (RAL 7016 structured)

Tango K

Led ground surface illumination

DESCRIPTION

Body made in solid aluminum
Screws in stainless steel
Degree of protection IP67 - IK10
Safety clear plexiglass
Led COB 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other RAL colors
Other anodized color
Other led color: 3000K / 5000K
Other cable length (customized)

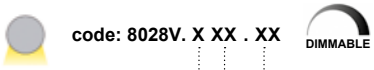
∅ min: 78mm

min: 90mm

350-500mA
11W - 17W

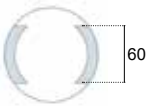
Bolas V

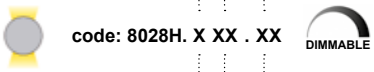
IP67
IK10



Bolas H

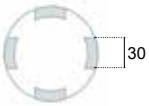
IP67
IK10

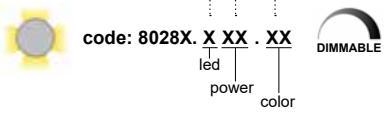




Bolas X

IP67
IK10





LED

D	5000K
N	4000K
W	2700K

POWER

13	11W - 350mA
23	17W - 500mA

COLOR

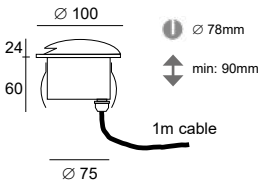
02	Black
32	Anodized aluminum
39	Grey

3000K = on request
6W 350mA 2700K / 3000K / 4000K / 5000K = on request

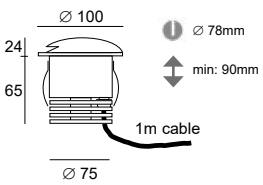
Bolas VHX

Led ground surface illumination

6W (on request)



11W - 17W



max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety extra clear glass 10mm thickness
Degree of protection IP67 - IK10
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 2140kg (21000 N)

ACCESSORIES

Recessed box - Pop 8b ref: X067B
Led driver AC/CC 350mA or 500mA CC
Led driver DC/CC (24VDC/350mA or 500mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color
Other RAL colors
Other material: brass / copper / ...
Other led color: 3000K
Other cable length (customized)

∅ min: 78mm

min: 95mm

230V
6W - 10W

Bolas V 230V

0,5

IP67

230V

IK10

0,55

CE

Bolas H 230V

0,5

IP67

230V

IK10

0,55

CE

Bolas X 230V

0,5

IP67

230V

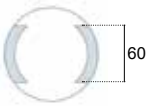
IK10

0,55

CE

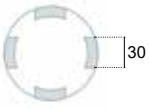
code: 8028V. X XX . XX

DIMMABLE TRIAC



code: 8028H. X XX . XX

DIMMABLE TRIAC



code: 8028X. X XX . XX

led

power

color

DIMMABLE TRIAC

LED

W 3000K

2700K / 4000K = on request

POWER

63 6W - 230V
73 10W - 230V

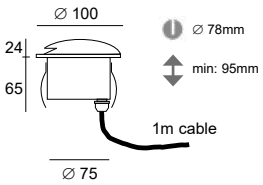
COLOR

02 Black
32 Anodized aluminum
39 Grey

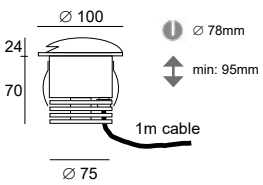
Bolas VHX 230V

Led ground surface illumination

6W 230V



10W 230V



max. efficacity 102lm/W

Typical luminous flux (lm)		
	6W	10W
2700 K	460	930
3000 K	470	950
4000 K	480	1020

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety extra clear glass 10mm thickness
Degree of protection IP67 - IK10
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Provided with 1m cable
Max. 2140kg (21000 N)

ACCESSORIES

Recessed box - Pop 8a/8b ref: X067A / X067B
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other anodized color
Other RAL colors
Other material: brass / copper / ...
Other led color: 2700K / 4000K
Other cable length (customized)

350-500mA
1,1W - 9W

Pharos V

IP67
350mA
IK10

code: 363V. XX X . XX
led power color

DIMMABLE

LED		POWER		COLOR	
27	2700K	**1**	1,1W - 350mA	**02A**	Anodized black
30	3000K	**2**	3,2W - 350mA	**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

With 500mA power supply = 1,6W or 4,5W

Pharos H

IP67
350mA
IK10

code: 363H. XX X . XX
led power color

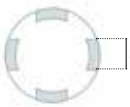
DIMMABLE

LED		POWER		COLOR	
27	2700K	**1**	2x 1,1W - 350mA	**02A**	Anodized black
30	3000K	**2**	2x 3,2W - 350mA	**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

With 500mA power supply = 2x 1,6W or 2x 4,5W

Pharos X

IP67
350mA
IK10



code: 363X. XX X . XX
led power color

DIMMABLE

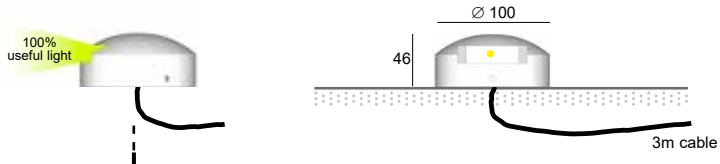
LED		POWER		COLOR	
27	2700K	**1**	4x 1,1W - 350mA	**02A**	Anodized black
30	3000K			**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

With 500mA power supply = 4x 1,6W

Pharos VHX

Led ground surface illumination

100%
useful light



Pic 5

Accessories (see more details next pages)
Accessoires (voir plus de détails pages suivantes)
Accessoires (zie meer details volgende pagina's)
Zubehör (mehr Details auf den folgenden Seiten)

max. efficacity 123lm/W

Typical luminous flux (lm)				
	Led 1,1W		Led 3,2W	
	350mA 1,1W	500mA 1,6W	350mA 3,2W	500mA 4,5W
2700 K	115	165	355	480
3000 K	125	175	370	510
4000 K	135	185	395	535

Example:
PHAROS X 3000K With 500mA power supply
4x 1,6W = total 6,4W
4x 175lm = total 700 lumens

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety satinice plexiglass
Degree of protection IP67 - IK10
Led module CRI>90 3SDCM 85.000hrs L80 B10
Provided with 3m cable

ACCESSORIES

Led driver AC/CC 350mA or 500mA CC
Led driver DC/CC (24VDC/350mA or 500mA)
Spike for ground fixing - Pic 5 ref: 804.05.02A
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Painted in RAL colors
Other anodized color
Other material: brass / copper / ...
Other cable length (customized)

∅ min: 65mm

min: 120mm

230V
1,1W - 6,4W

Pharos V 230V

IP67
230V
IK10

code: 364V. XX X . XX
led power color

DIMMABLE

LED		POWER		COLOR	
27	2700K	**1**	1,1W - 230V	**02A**	Anodized black
30	3000K	**2**	3,2W - 230V	**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

On request: 1,6W or 4,5W

Pharos H 230V

IP67
230V
IK10

code: 364H. XX X . XX
led power color

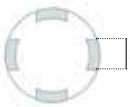
DIMMABLE

LED		POWER		COLOR	
27	2700K	**1**	2x 1,1W - 230V	**02A**	Anodized black
30	3000K	**2**	2x 3,2W - 230V	**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

On request: 2x 1,6W or 2x 4,5W

Pharos X 230V

IP67
230V
IK10



code: 364X. XX X . XX
led power color

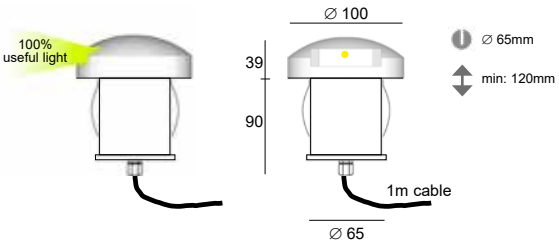
DIMMABLE

LED		POWER		COLOR	
27	2700K	**1**	4x 1,1W - 230V	**02A**	Anodized black
30	3000K			**32**	Anodized aluminum
40	4000K			**33**	Anodized bronze

On request: 4x 1,6W

Pharos VHX

Led ground surface illumination



max. efficacity 123lm/W

Typical luminous flux (lm)				
	1,1W	1,6W	3,2W	4,5W
2700 K	115	165	355	480
3000 K	125	175	370	510
4000 K	135	185	395	535

DESCRIPTION

Body made in solid anodized aluminum
Screws in stainless steel
Safety satinice plexiglass
Degree of protection IP67 - IK10
Led module CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Provided wth 1m cable

ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
IP68 connection - Connex 2 / 3 / 4 / 6

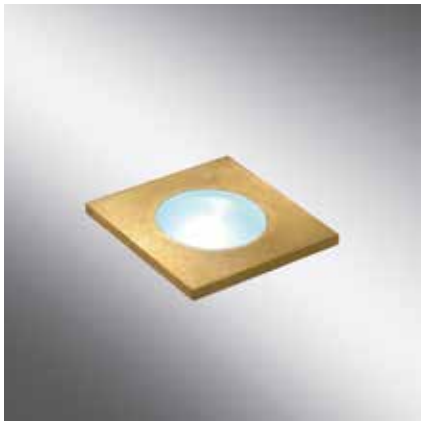
ON REQUEST

Dimmable power supply 220-240V (Triac)
Power supply 24VDC included
Painted in RAL colors
Other material: brass / copper / ...
Other cable length (customized)

∅ min: 40mm

min: 70mm

350mA
1,1W - 3,2W



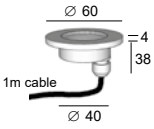
IP66

350mA

Genesis

code: 1152. XXX . XX
led color

DIMMABLE



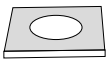
∅ 40mm

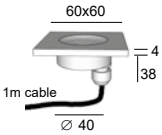
min: 70mm

fixing is also possible with 2 screws
distances: 50mm

code: 1153. XXX . XX
led color

DIMMABLE





∅ 40mm

min: 80mm

fixing is also possible with 2 screws
distances: 50mm

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

LED

D11	1,1W - 4000K
W11	1,1W - 2700K

COLOR

04	Brushed stainless steel
07	Brushed brass

3000K / 5000K = on request
3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Genesis
Led uplighting

DESCRIPTION

Body made in solid stainless steel or brass
Degree of protection IP66
Safety sandblasted glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 3 ref: X053
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Anodized color cover plate
Other led color: 3000K / 5000K
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)

∅ min: 32mm

min: 85mm

350mA
1,1W - 3,2W

Zona R

IP68

350mA

IK06

DESCRIPTION

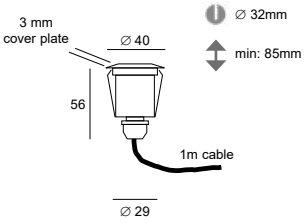
Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

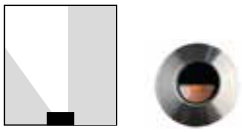
ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 3000K / 5000K
Other cover plate dimensions (customized)





Asymmetrical beam with Visor HC (half-circle)

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8022. X XX .XX
led · power · color

DIMMABLE

LED

D	4000K
W	2700K

POWER

11	1,1W 10°
13	1,1W 35°
31	3,2W 35°
32	3,2W 50°

COLOR

02A	Anodized black
04	Brushed stainless steel

3000K / 5000K = on request

For some applications, led 1,1W can be used with a driver 500mA
to obtain for example +/- 1,6W 10° 4000K 185 lumens

Zona R

Led uplighting

∅ min: 32mm

min: 95mm

350mA
1,1W - 3,2W

Zona R Dark

IP68

350mA

IK06

DESCRIPTION

Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

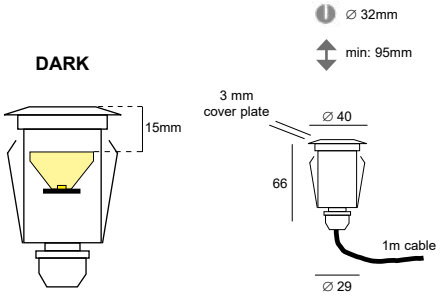
ACCESSORIES

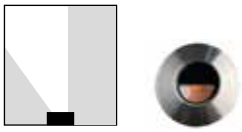
Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 5000K
Other cover plate dimensions (customized)

DARK





Asymmetrical beam with Visor HC (half-circle)

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8022D. XX XX .XX DIMMABLE

led / power / color

LED

27	2700K
30	3000K
40	4000K

POWER

11	1,1W 10°
31	3,2W 20°

COLOR

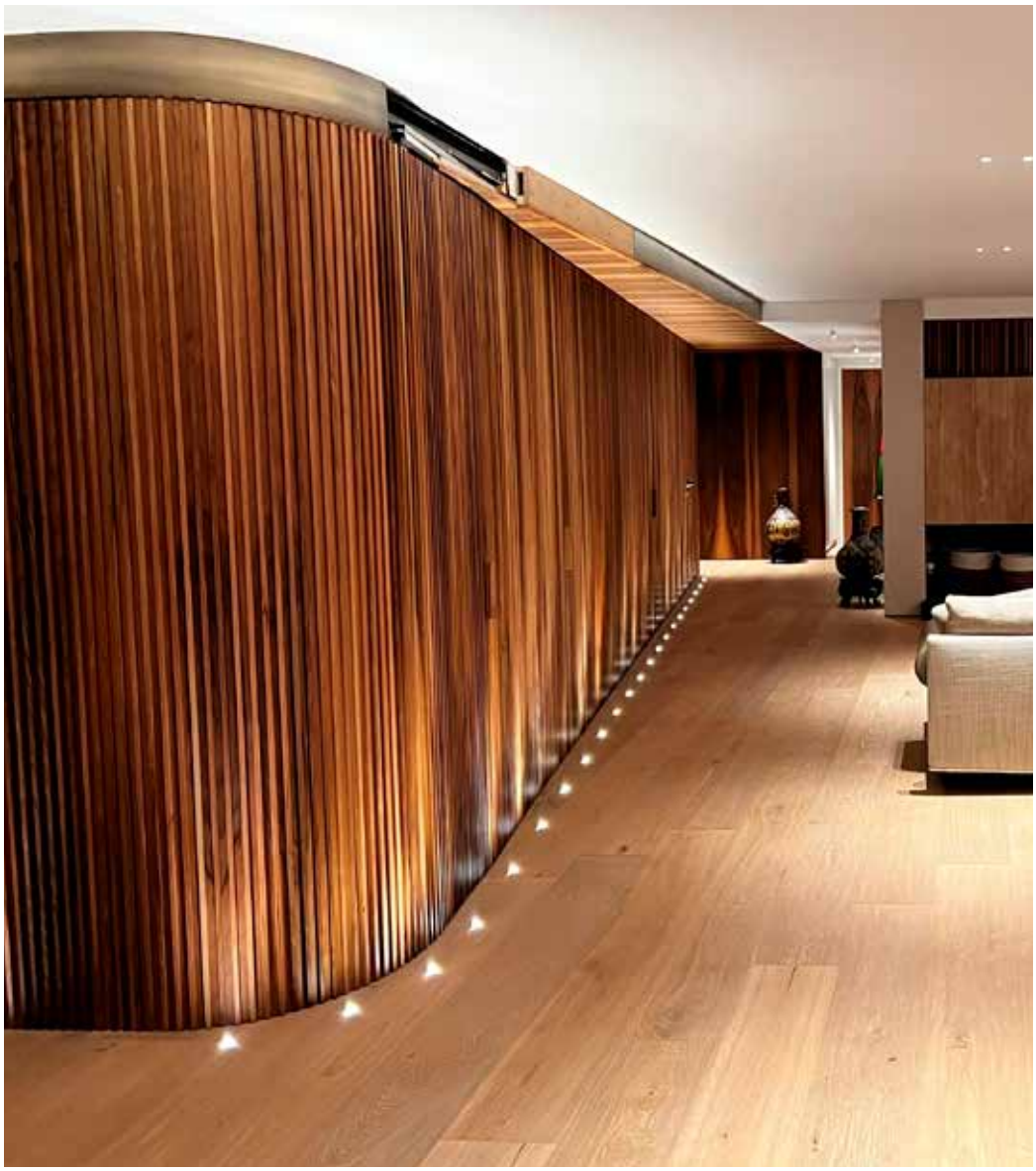
02A	Anodized black
04	Brushed stainless steel

5000K = on request

For some applications, led 1,1W can be used with a driver 500mA to obtain for example +/- 1,6W 10° 4000K 185 lumens

Zona R Dark

Led uplighting



∅ min: 32mm

min: 85mm

350mA
1,1W - 3,2W

Zona S

IP68

350mA

IK06

DESCRIPTION

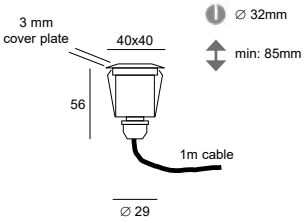
Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

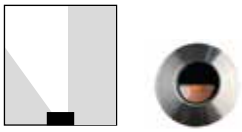
ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 3000K / 5000K
Other cover plate dimensions (customized)





Asymmetrical beam with Visor HC (half-circle)

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8023. X XX .XX

led | power | color

DIMMABLE

LED

D	4000K
W	2700K

POWER

11	1,1W 10°
13	1,1W 35°
31	3,2W 35°
32	3,2W 50°

COLOR

02A	Anodized black
04	Brushed stainless steel

3000K / 5000K = on request

For some applications, led 1,1W can be used with a driver 500mA to obtain for example +/- 1,6W 10° 4000K 185 lumens

Zona S

Led uplighting

∅ min: 45mm

min: 100mm

ADJUSTABLE

350mA
1,1W - 3,2W

Xeno R

IP68

350mA

IK06

DESCRIPTION

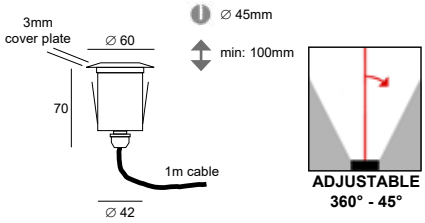
Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 3000K / 5000K
Other cover plate dimensions (customized)



code: 8024. X XX .XX
led
power
color

DIMMABLE

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

LED

D	4000K
W	2700K

POWER

11	1,1W 10°
13	1,1W 35°
31	3,2W 35°
32	3,2W 50°

COLOR

02A	Anodized black
04	Brushed stainless steel

3000K / 5000K = on request

For some applications, led 1,1W can be used with a driver 500mA to obtain for example +/- 1,6W 10° 4000K 185 lumens

Xeno R

Led uplighting

∅ min: 45mm

min: 100mm

ADJUSTABLE

350mA
1,1W - 3,2W

Xeno S

IP68

350mA

IK06

DESCRIPTION

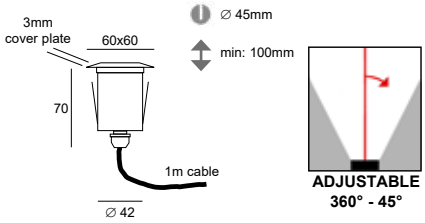
Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 3000K / 5000K
Other cover plate dimensions (customized)



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8025. X XX .XX
led
power
color

DIMMABLE

LED

D	4000K
W	2700K

POWER

11	1,1W 10°
13	1,1W 35°
31	3,2W 35°
32	3,2W 50°

COLOR

02A	Anodized black
04	Brushed stainless steel

3000K / 5000K = on request

For some applications, led 1,1W can be used with a driver 500mA to obtain for example +/- 1,6W 10° 4000K 185 lumens

Xeno S

Led uplighting

∅ min: 45mm

min: 120mm

350mA
1,1W - 3,2W

Xeno Y

IP68

350mA

IK06

DESCRIPTION

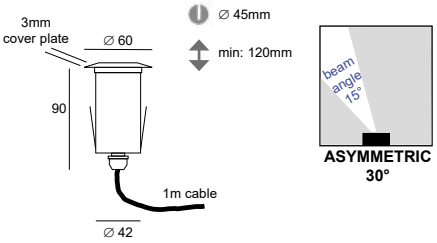
Body made in solid anodized aluminum
Cover plate in stainless steel or anodized black aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 1000kg

ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other anodized color cover plate
Other material: brass / copper / ...
Sandblasted glass
Other led color: 5000K
Other cover plate dimensions (customized)



ASYMMETRIC
30°

max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 8024Y. XX X .XX DIMMABLE

led
power
color

LED

27	2700K
30	3000K
40	4000K

POWER

13	1,1W 15°
31	3,2W 15°

COLOR

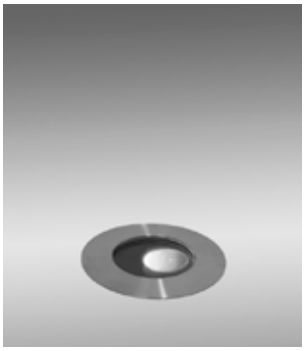
02A	Anodized black
04	Brushed stainless steel

5000K = on request

For some applications, led 1,1W can be used with a driver 500mA to obtain for example +/- 1,6W 10° 4000K 185 lumens

Xeno Y

Led uplighting



∅ min: 68mm

min: 90mm

350mA - 500mA

6W - 9,5W

Perla-R Dark

IP68

500mA

IK10

DESCRIPTION

Body made in solid anodized aluminum
Cover plate in stainless steel 316L or anodized aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 2140kg (21000 N)

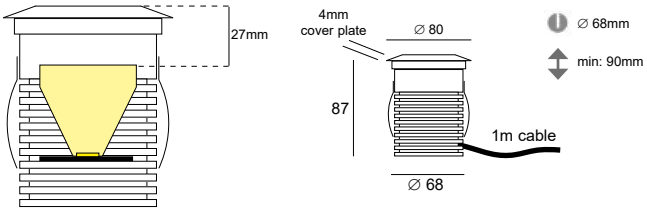
ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)
Other cover plate dimensions (customized)
Other anodized color cover plate

DARK



max. efficacity 141lm/W

Typical luminous flux (lm)	350mA 6W	500mA 9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

code: 362. XX XXX . XX (led / power / color) DIMMABLE

LED		POWER		COLOR	
27	2700K	**910**	9,5W - 10°	**02A**	Anodized black
30	3000K	**925**	9,5W - 25°	**16**	Brushed stainless steel 316L
40	4000K	**940**	9,5W - 40°	**32**	Anodized aluminum
				33	Anodized bronze

5000K = on request
3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Perla-R Dark

Led uplighting

∅ min: 68mm

min: 90mm

350mA - 500mA

6W - 9,5W

Perla-S Dark

IP68

500mA

IK10

DESCRIPTION

Body made in solid anodized aluminum
Cover plate in anodized aluminum
Degree of protection IP68, water depth up to 1m
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Provided with 1m cable
Max. 2140kg (21000 N)

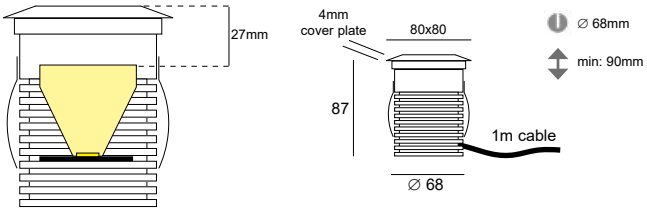
ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-36VDC/200mA to 500mA)
Anti-glare honeycomb - Louver ref: X060.050.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Led 3,2W 350mA: 2700K / 3000K / 4000K / 5000K
Other cable length (customized)
Other anodized color cover plate

DARK



code: 368. **XX** **XXX** . **XX**

led — power — color

DIMMABLE

max. efficacity 141lm/W

Typical luminous flux (lm)	350mA 6W	500mA 9,5W
2700 K	725	995
3000 K	760	1035
4000 K	805	1095
5000 K	845	1150

LED

27	2700K
30	3000K
40	4000K

POWER

910	9,5W - 10°
925	9,5W - 25°
940	9,5W - 40°

COLOR

02A	Anodized black
32	Anodized aluminum
33	Anodized bronze

5000K = on request
3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

Perla-S Dark

Led uplighting

∅ min: 65mm

min: 100mm

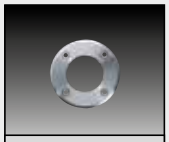
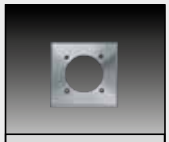
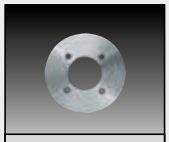
350mA
1,1W - 6W

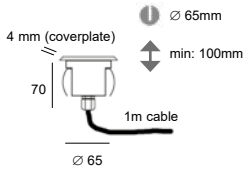
EXTRA CLEAR GLASS

code : 1

SANDBLASTED GLASS

code : 2

∅ 75mm	75 x 75mm	∅ 100mm	100 x 100mm
			
code : 7.16	code : 8.16	code : 9.16	code : D.16



max. efficacity 141lm/W

Typical luminous flux (lm)			
	1,1W	3,2W	6W
2700 K	115	355	725
3000 K	125	370	760
4000 K	135	395	805
5000 K	145	410	845

code: 2257 XXXC X X .16 DIMMABLE Without driver (350mA)

led
glass
cover plate

LED

D14	1,1W - 4000K - 35°
D37	3,2W - 4000K - 50°
D67	6W - 4000K - 50°
W14	1,1W - 2700K - 35°
W37	3,2W - 2700K - 50°
W67	6W - 2700K - 50°

3000K / 5000K = on request
1,1W 10° = on request
3,2W or 6W 35° = on request

GLASS

1	Extra clear glass
2	Sandblasted glass

COVER PLATE

7	Round d.75mm
8	Square 75x75mm
9	Round d.100mm
D	Square 100x100mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass

Zaxor Mini

Led uplighting

DESCRIPTION

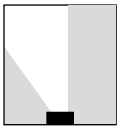
Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear or sandblasted glass 10mm thickness
Led 350mA CRI>90 3SDCM 85.000hrs L80 B10
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Other led color: 3000K / 5000K
Other cable length (customized)



Asymmetrical beam with Visor HC (half-circle)

IP67

350mA

IK10

Zaxor Mini (350mA)

∅ min: 65mm

min: 130mm

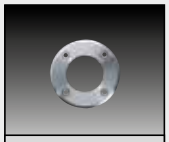
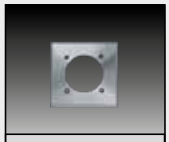
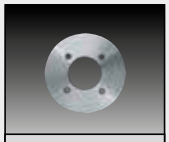
230V
1,1W - 3,2W

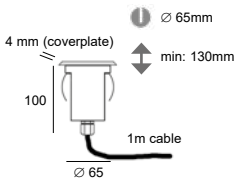
EXTRA CLEAR GLASS

code : 1

SANDBLASTED GLASS

code : 2

∅ 75mm	75 x 75mm	∅ 100mm	100 x 100mm
			
code : 7.16	code : 8.16	code : 9.16	code : D.16



max. efficacity 132lm/W

Typical luminous flux (lm)		
	1,1W	3,2W
2700 K	115	355
3000 K	125	370
4000 K	135	395
5000 K	145	410

code: 2258 XXXC X X .16 Driver 220-240V incorporated

led
glass
cover plate

LED

D14	1,1W - 4000K - 35°
D37	3,2W - 4000K - 50°
W14	1,1W - 2700K - 35°
W37	3,2W - 2700K - 50°

3000K / 5000K = on request
1,1W 10° = on request
3,2W 35° = on request

GLASS

1	Extra clear glass
2	Sandblasted glass

COVER PLATE

7	Round d.75mm
8	Square 75x75mm
9	Round d.100mm
D	Square 100x100mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass

Zaxor Mini

Led uplighting

DESCRIPTION

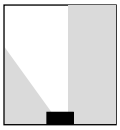
Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear or sandblasted glass 10mm thickness
Led module CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 10a/10b ref: X054A / X054B
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

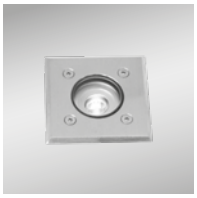
Power supply 24VDC included / led 3000K or 5000K
Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Other cable length (customized)



Asymmetrical beam with Visor HC (half-circle)

IP67
230V
IK10

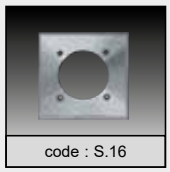
Zaxor Mini (220-240V)



∅ min: 78mm

min: 95mm

230V
4W - 10W

Ø 100mm	Ø 100mm	100 x 100mm
		
code : R.16	code : R.21	code : S.16

max. efficacity 102lm/W

Typical luminous flux (lm)			
	4W	6W	10W
2700 K	315	460	930
3000 K	320	470	950
4000 K	340	480	1020

code: 800C1 XX X X . XX DIMMABLE TRIAC

- XX = led
- X = angle
- X = cover plate
- XX = color

LED

W4	4W - 3000K
W6	6W - 3000K
W7	10W - 3000K

ANGLE

1	15°
2	36°
3	50°

COVER PLATE

R	Round d.100mm
S	Square 100x100mm

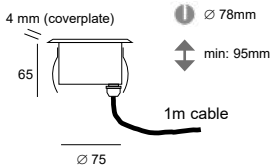
COLOR

16	Brushed stainless steel 316L
21	Copper

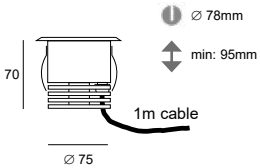
2700K / 4000K = on request

On request:
Anodized color
Brushed brass

4W & 6W



10W



Bolas Led

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L or copper
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led 230V CRI>90 3SDCM 54.000hrs L80 B10
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 8a/8b ref: X067A / X067B
Anti-glare honeycomb - Louver ref: X060.043.3
Asymmetrical beam - visor HC ref: X061.050.2
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

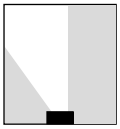
Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Led 2700K or 4000K / Sandblasted glass
Other cable length (customized)

IP67

230V

IK10

Bolas Led 230V



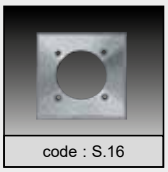
Asymmetrical beam with Visor HC (half-circle)

∅ min: 78mm

min: 90mm

350mA - 500mA

6W - 17W

Ø 100mm	Ø 100mm	100 x 100mm
		
code : R.16	code : R.21	code : S.16

max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

code: 8028.X X X X .XX DIMMABLE

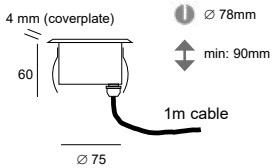
led
power
angle°
cover plate
color

LED		POWER		ANGLE		COVER PLATE		COLOR	
D	4000K	**0**	6W 350mA	**1**	15°	**R**	Round d.100mm	**16**	Brushed stainless steel 316L
W	2700K	**1**	11W 350mA	**2**	36°	**S**	Square 100x100mm	**21**	copper
		2	17W 500mA	**3**	50°				

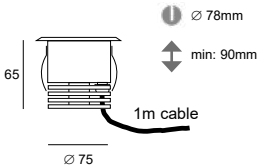
3000K / 5000K = on request
3,2W 350mA 2700K / 3000K / 4000K / 5000K = on request

On request:
Anodized color
Brushed brass

6W



11W & 17W



Bolas HPL

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L or copper
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Max. 2140kg (21000 N) - IK10
Degree of protection IP68, water depth up to 1m
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 8a/8b ref: X067A / X067B
Led driver AC/CC 350mA or 500mA CC
Led driver DC/CC (24VDC/350mA or 500mA)
Anti-glare honeycomb - Louver ref: X060.043.3
Asymmetrical beam - visor HC ref: X061.050.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Led 3000K or 5000K / Sandblasted glass
Other cable length (customized)

IP68
350mA
IK10

Bolas HP led

Asymmetrical beam with Visor HC (half-circle)

∅ min: 78mm

min: 145mm

230V
GU10

code: 800C1GU X.XX DIMMABLE

cover plate

color

GU10 LED (max. height 56mm)

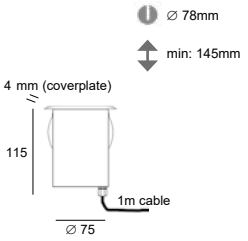
COVER PLATE

R	Round d.100mm
S	Square 100x100mm

COLOR

16	Brushed stainless steel 316L
21	Copper

On request:
Anodized color
Brushed brass



Bolas

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L or copper
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 8b ref: X067B
IP68 connection - Connex 2 / 3 / 4 / 6
Anti-glare honeycomb - Louver ref: X060.043.3

ON REQUEST

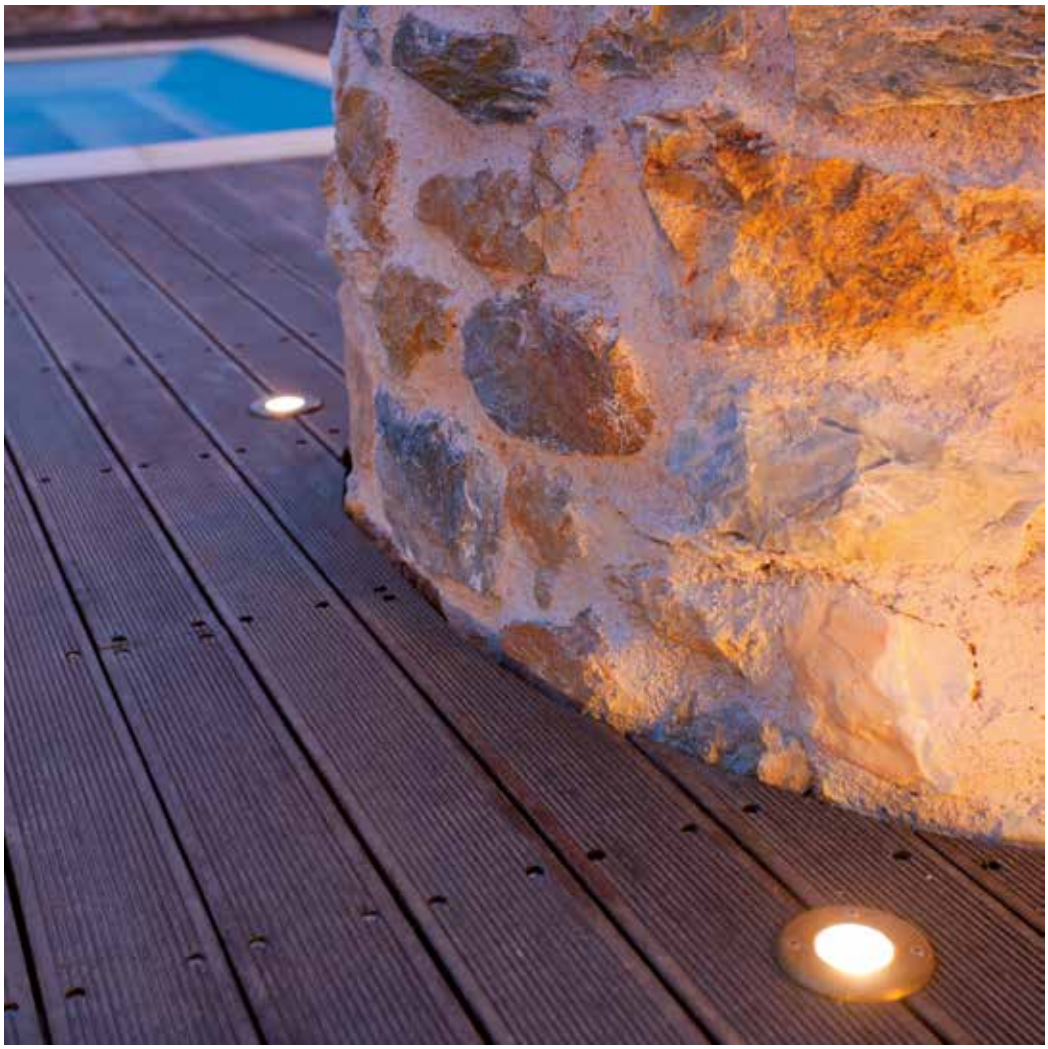
Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Sandblasted glass
Other cable length (customized)

IP67

230V

IK10

Bolas



∅ min: 100mm

min: 105 - 165mm

230V
GU10

ON THE BOTTOM

code : A

CLEAR GLASS

code : 1

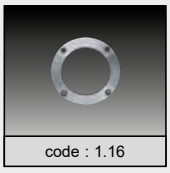
ON THE SIDE

code : B

SANDBLASTED GLASS

code : 2

Ø 110mm

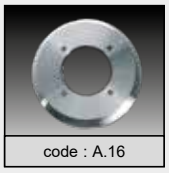


code : 1.16

Ø 125mm

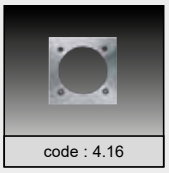
code : 3.16

Ø 150mm



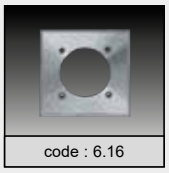
code : A.16

110 x 110mm



code : 4.16

125 x 125mm



code : 6.16

150 x 150mm

code : B.16

code: 2201X X X .16

DIMMABLE

cable gland

glass

cover plate

GU10 LED (max. height 56mm)

CABLE GLAND

A	on the bottom
B	on the side

GLASS

1	Extra clear glass
2	Sandblasted glass

COVER PLATECOVER PLATE

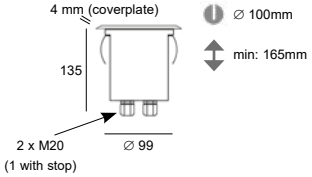
1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

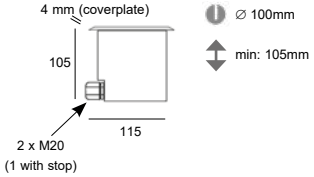
16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass

Cable gland: A



Cable gland: B



Zaxor GZ

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10

ACCESSORIES

Recessed box - Pop 5b ref: X055B (only for cable gland A)
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
With pre-assembled cable, custom length

Zaxor GZ

IP67
230V
IK10

∅ min: 100mm

min: 120 - 180mm

ADJUSTABLE

230V
GU10

ON THE BOTTOM

code : A

CLEAR GLASS

code : 1

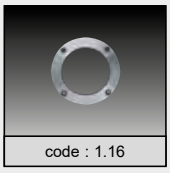
ON THE SIDE

code : B

SANDBLASTED GLASS

code : 2

Ø 110mm

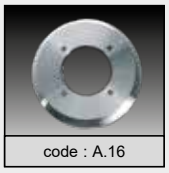


code : 1.16

Ø 125mm

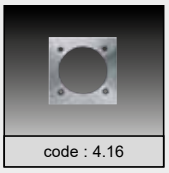
code : 3.16

Ø 150mm



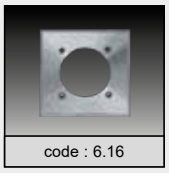
code : A.16

110 x 110mm



code : 4.16

125 x 125mm



code : 6.16

150 x 150mm

code : B.16

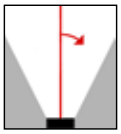
code: 2211X X X .16

cable gland

glass

cover plate

DIMMABLE



ADJUSTABLE
360° - 30°

GU10 LED (max. height 56mm)

CABLE GLAND

A	on the bottom
B	on the side

GLASS

1	Extra clear glass
2	Sandblasted glass

COVER PLATECOVER PLATE

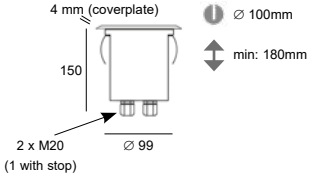
1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

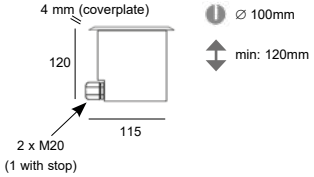
16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass

Cable gland: A



Cable gland: B



Zaxor GZO

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10

ACCESSORIES

Recessed box - Pop 5b ref: X055B (only for cable gland A)
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
With pre-assembled cable, custom length

IP67

230V

IK10

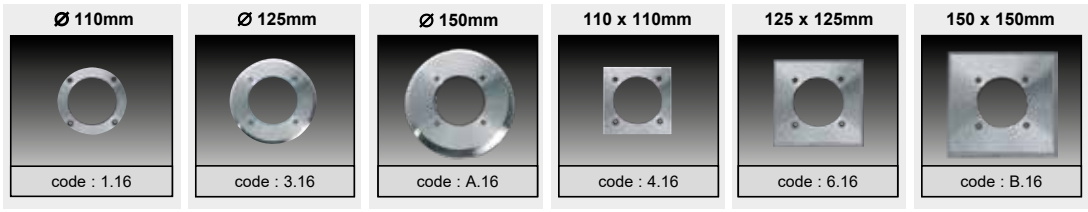
Zaxor GZ0

∅ min: 100mm

min: 95mm

350mA - 700mA

3,2W - 24W



max. efficacity 142lm/W

Typical luminous flux (lm)					
	3,2W	6W	11W	17W	24W
2700 K	355	725	1350	2090	2900
3000 K	370	760	1400	2180	3050
4000 K	395	805	1480	2310	3200
5000 K	410	845	1540	2415	3350

code: 2277.XXXX .16 DIMMABLE

led
power
angle°
cover plate

LED

D	4000K
W	2700K

3000K / 5000K = on request

POWER

0	3,2W - 350mA
1	6W - 350mA
2	11W - 350mA
3	17W - 500mA
4	24W - 700mA

ANGLE

1	15°
3	50°

On request:
2 lens 36°

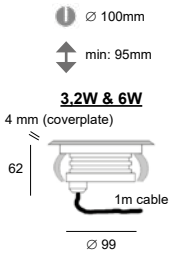
COVER PLATE

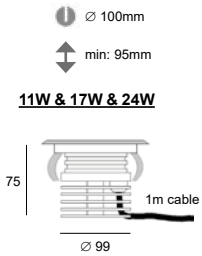
1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass





Zaxor Led

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

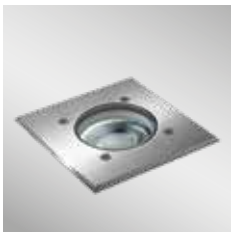
Recessed box - Pop 5a/5b ref: X055A / X055B
Led driver AC/CC 350mA to 700mA CC
Led driver DC/CC (24VDC/350mA to 700mA)
IP68 connection - Connex 2 / 3 / 4
Anti-glare honeycomb - Louver ref: X060.068.3

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Lens 36° / led 3000K or 5000K / Sandblasted glass
Other cable length (customized)

IP67
IK10

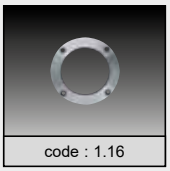
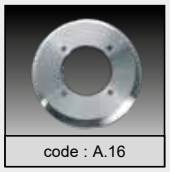
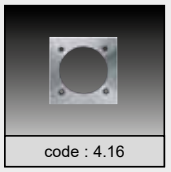
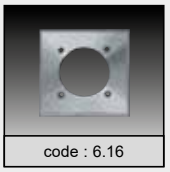
Zaxor led (xxx mA)



⌀ min: 100mm

min: 150mm

230V
3,2W - 9,5W

Ø 110mm	Ø 125mm	Ø 150mm	110 x 110mm	125 x 125mm	150 x 150mm
					
code : 1.16	code : 3.16	code : A.16	code : 4.16	code : 6.16	code : B.16

max. efficacity 141lm/W

Typical luminous flux (lm)			
	3,2W	6W	9,5W
2700 K	355	725	995
3000 K	370	760	1035
4000 K	395	805	1095
5000 K	410	845	1150

code: 2278.XXXX .16

led
power
angle°
cover plate

LED

D	4000K
W	2700K

3000K / 5000K = on request

POWER

0	3,2W - 230V
1	6W - 230V
2	9,5W - 230V

ANGLE

1	15°
3	50°

On request:
2 lens 36°

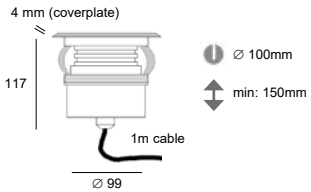
COVER PLATE

1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass



2278.xxx3.16

Zaxor Led

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 5b ref: X055B
IP68 connection - Connex 2 / 3 / 4 / 6
Anti-glare honeycomb - Louver ref: X060.068.3

ON REQUEST

Power supply 24VDC included / led 3000K or 5000K / Lens 36°
Other cover plate dimensions (customized) / Sandblasted glass
Anodized color cover plate
Cover plate in brushed brass (07)
Other cable length (customized)

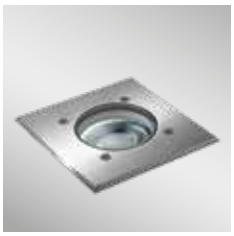
Dimmable power supply = on request

IP67

230V

IK10

Zaxor led (220-240V)

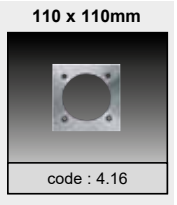


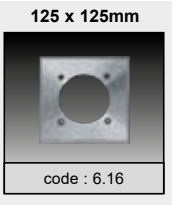
∅ min: 100mm

min: 100mm

200mA - 450mA

7W - 17W





code: 7016.XXX X .16

led

cover plate

DIMMABLE

7W to 17W

Without driver (200 → 450mA)

max. efficacity 108lm/W

Typical luminous flux (lm)			
	200mA 7W	350mA 13W	450mA 17W
2700 K	750	1350	1650
3000 K	800	1400	1750
4000 K	850	1450	1800

LED

W27 2700K - 10°
W30 3000K - 10°

4000K = on request

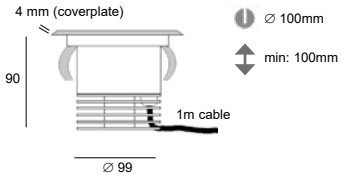
COVER PLATE

1 Round d.110mm
3 Round d.125mm
4 Square 110x110mm
6 Square 125x125mm
A Round d.150mm
B Square 150x150mm

COLOR

16 Brushed stainless steel 316L

On request:
Anodized color
Brushed brass



Zaxor 10°

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 5b ref: X055B
Led driver AC/CC from 200mA to 450mA
Led driver DC/CC (12-36VDC/200mA to 450mA)
IP68 connection - Connex 2 / 3 / 4
Anti-glare honeycomb - Louver ref: X060.064.3

ON REQUEST

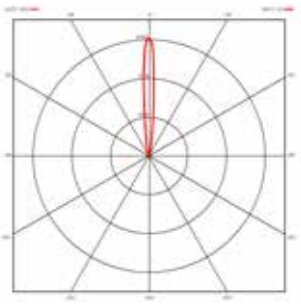
Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Sandblasted glass / led color 4000K
Other cable length (customized)

IP67

450mA

IK10

Zaxor 10°

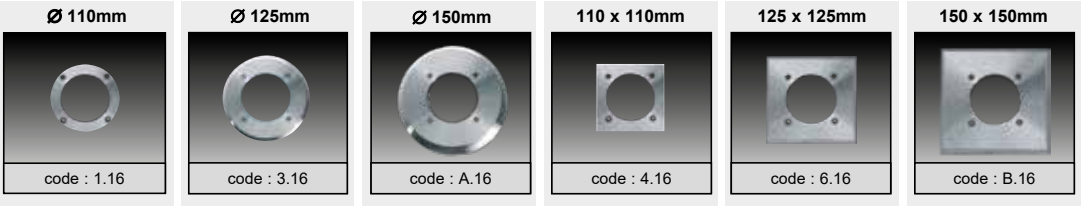


∅ min: 100mm

min: 170mm

ADJUSTABLE

350mA
3,2W - 11W



max. efficacity 141lm/W

Typical luminous flux (lm)			
	3,2W	6W	11W
2700 K	355	725	1350
3000 K	370	760	1400
4000 K	395	805	1480
5000 K	410	845	1540

code: 2407.XXXX .16

DIMMABLE

led
power
angle°
cover plate

LED

D	4000K
W	2700K

3000K / 5000K = on request

POWER

0	3,2W - 350mA
1	6W - 350mA
2	11W - 350mA

ANGLE

1	15°
3	50°

On request:
2 lens 36°

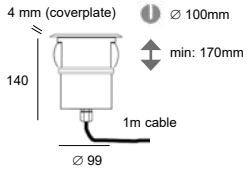
COVER PLATE

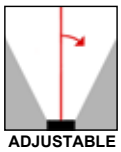
1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass





ADJUSTABLE
360° - 30°

Zaxor Led-O

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 5b ref: X055B
Led driver AC/CC 350mA
Led driver DC/CC (12-36VDC/350mA)
IP68 connection - Connex 2 / 3 / 4
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

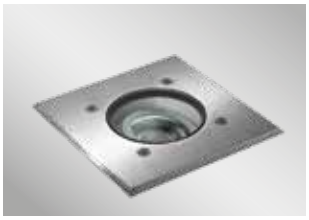
Other cover plate dimensions (customized)
Anodized color cover plate
Cover plate in brushed brass (07)
Lens 36° / led 3000K or 5000K / Sandblasted glass
Other cable length (customized)

IP67

350mA

IK10

Zaxor led-O (350mA)

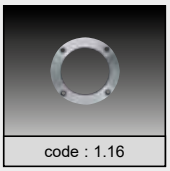
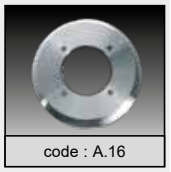
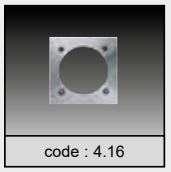
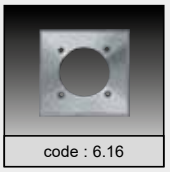


∅ min: 100mm

min: 215mm

ADJUSTABLE

230V
3,2W - 9,5W

Ø 110mm	Ø 125mm	Ø 150mm	110 x 110mm	125 x 125mm	150 x 150mm
					
code : 1.16	code : 3.16	code : A.16	code : 4.16	code : 6.16	code : B.16

max. efficacity 141lm/W

Typical luminous flux (lm)			
	3,2W	6W	9,5W
2700 K	355	725	995
3000 K	370	760	1035
4000 K	395	805	1095
5000 K	410	845	1150

code: 2408.XXXX .16

- led
- power
- angle°
- cover plate

LED

D	4000K
W	2700K

3000K / 5000K = on request

POWER

0	3,2W - 230V
1	6W - 230V
2	9,5W - 230V

ANGLE

1	15°
3	50°

On request:
2 lens 36°

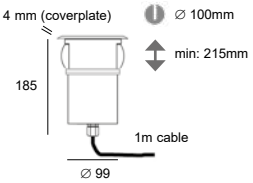
COVER PLATE

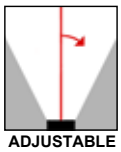
1	Round d.110mm
3	Round d.125mm
4	Square 110x110mm
6	Square 125x125mm
A	Round d.150mm
B	Square 150x150mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color
Brushed brass





ADJUSTABLE
360° - 30°

Zaxor Led-O

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws and spring in stainless steel
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated
Max. 2140kg (21000 N)
Degree of protection IP67 - IK10
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 5b ref: X055B
IP68 connection - Connex 2 / 3 / 4 / 6
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Power supply 24VDC included / led 3000K or 5000K / Lens 36°
Other cover plate dimensions (customized) / Sandblasted glass
Anodized color cover plate
Cover plate in brushed brass (07)
Other cable length (customized)

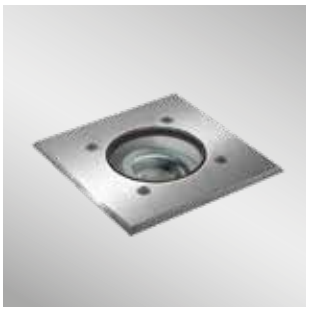
Dimmable power supply = on request

IP67

230V

IK10

Zaxor led-O (220-240V)

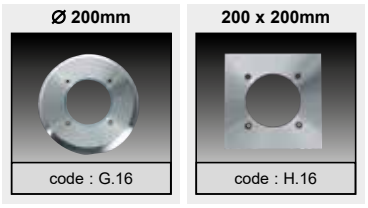


2408.D233.16

∅ min: 150mm

min: 140mm

230V
17W



code: 2417 XX X C1 X .16

led
angle°
cover plate

max. efficacity 100lm/W

Typical luminous flux (lm)	
	17W
3000 K	1650
4000 K	1700

LED

N7	17W 230V - 4000K
W7	17W 230V - 3000K

ANGLE

5	24°
6	40°

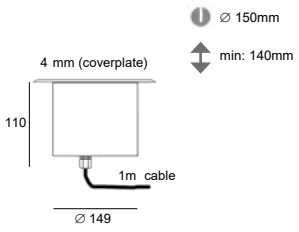
COVER PLATE

G	Round d.200mm
H	Square 200x200mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color



Zaxor-HPL

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws in stainless steel
Safety clear glass 10mm thickness
Led module CRI>80 3SDCM 35.000hrs L70 B50
Max. 1000kg
Degree of protection IP67 - IK09
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 6a/6b ref: X056A / X056B
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

Other cover plate dimensions (customized)
Anodized color cover plate
Sandblasted glass
Other cable length (customized)

IP67

230V

IK09

Zaxor HP led

∅ min: 150mm

min: 180-220mm

ADJUSTABLE

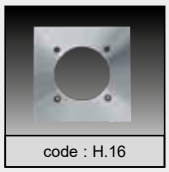
xxxmA & 230V

11W - 17W

Ø 200mm

code : G.16

200 x 200mm



code : H.16

code: 2437XXXX.16

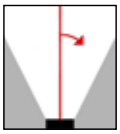
DIMMABLE

Without driver
- 350mA 11W
- 500mA 17W

code: 2438XXXX.16

led
angle°
cover plate

Driver 220-240V incorporated



ADJUSTABLE
360° - 30°

max. efficacity 142lm/W

Typical luminous flux (lm)			
	6W	11W	17W
2700 K	725	1350	2090
3000 K	760	1400	2180
4000 K	805	1480	2310
5000 K	845	1540	2415

LED

D1	11W - 4000K
D2	17W - 4000K°
W1	11W - 2700K
W2	17W - 2700K

3000K / 5000K = on request

ANGLE

1	15°
3	50°

On request:
2 lens 36°

COVER PLATE

G	Round d.200mm
H	Square 200x200mm

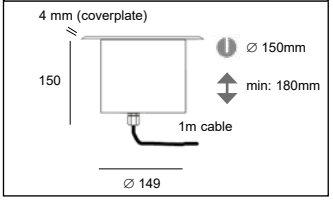
COLOR

16	Brushed stainless steel 316L

On request:
Anodized color

Without driver 11W - 350mA
17W - 500mA

code : 2437...

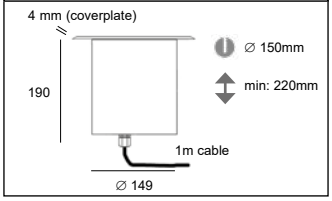


350mA
500mA

3,70

Driver 220-240V incorporated

code : 2438...



230V

4,10

Bolas O-HPL

Led uplighting

DESCRIPTION

Body made in profile anodized aluminum
Cover plate 4mm in stainless steel 316L
Safety clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Power supply 220-240V incorporated (only code 2438)
Degree of protection IP67 - IK09
Max. 1000kg
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 6a/6b ref: X056A / X056B
Led driver 350mA or 500mA CC (only code 2437)
Led driver 24VDC/350mA or 500mA (only code 2437)
IP68 connection - Connex 2 / 3 / 4
Anti-glare honeycomb - Louver ref: X060.050.3

ON REQUEST

Dimmable power supply 220-240V
Power supply 24VDC included / led 3000K or 5000K / Lens 36°
Other cover plate dimensions (customized) / Sandblasted glass
Anodized color cover plate
Other cable length (customized)

Dimmable power supply = on request

0.5

IP67

IK09

CE

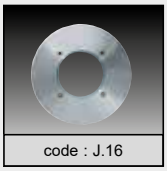
Bolas O-HPL

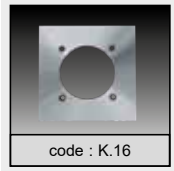
∅ min: 200mm

min: 170mm

ADJUSTABLE

230V
17W





code: 2427 XX X C1 X .16

- XX — led
- X — angle°
- X — cover plate

max. efficacity 100lm/W

Typical luminous flux (lm)	
	17W
3000 K	1650
4000 K	1700

LED

N7	17W 230V - 4000K
W7	17W 230V - 3000K

ANGLE

5	24°
6	40°

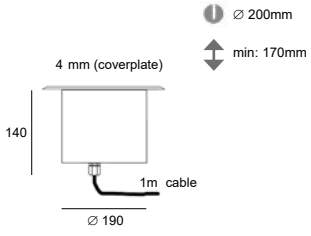
COVER PLATE

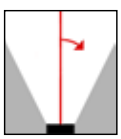
J	Round d.250mm
K	Square 250x250mm

COLOR

16	Brushed stainless steel 316L

On request:
Anodized color





ADJUSTABLE
360° - 30°

Zaxor O-HPL

Led uplighting

DESCRIPTION

Body made in solid anodized aluminum
Cover plate 4mm in stainless steel 316L
Screws in stainless steel
Safety clear glass 12mm thickness
Led module CRI>80 3SDCM 35.000hrs L70 B50
Max. 1500kg
Degree of protection IP67 - IK09
Provided with 1m cable

ACCESSORIES

Recessed box - Pop 7 ref: X057
IP68 connection - Connex 2 / 3 / 4 / 6

ON REQUEST

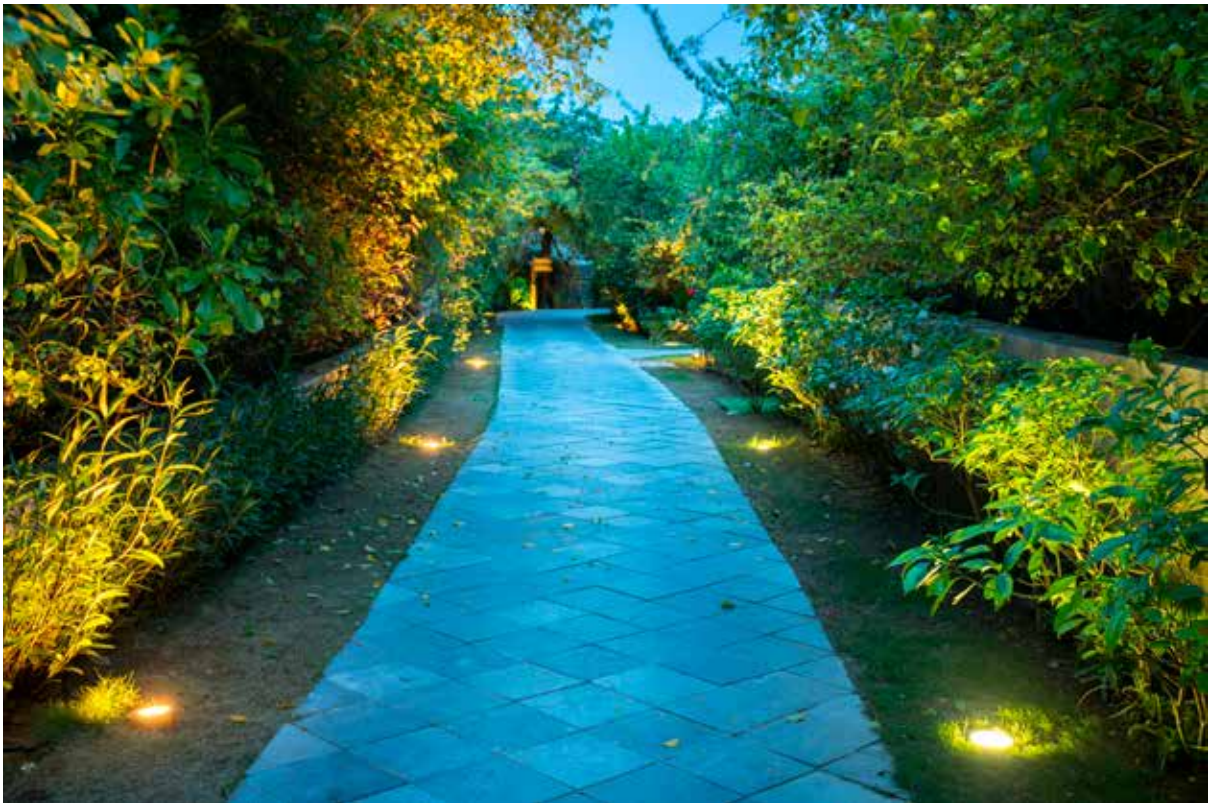
Other cover plate dimensions (customized)
Anodized color cover plate
Sandblasted glass
Other cable length (customized)

IP67

230V

IK09

Zaxor O-HP led



UNDERWATER LIGHTING

completely in stainless steel 316L

∅ : 79mm

min: 110mm

200-500mA
1,7W - 4,5W

Nautic S

IP68

500mA

IK10

DESCRIPTION

Box & luminaire made completely in solid stainless steel 316L electropolish
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety clear or sandblasted glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 2m
Provided with 10m cable + 3m plastic spiral

CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

ACCESSORIES

Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-24VDC/200mA to 500mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 5000K
Other beam angle: 10°
Other cable length (customized)

CLEAR GLASS

code : 1

SANDBLASTED GLASS

code : 2

code: 360F X XX XX .16EP

glass
led
angle°
material

DIMMABLE

1,7W to 4,5W

Without driver (200 ➟ 500mA)

max. efficacity 128lm/W

Typical luminous flux (lm)	200mA 1,7W	350mA 3,2W	500mA 4,5W
2700 K	200	355	480
3000 K	215	370	510
4000 K	230	395	535
5000 K	235	410	560
voltage DC	8,5V	9V	9V

GLASS

1	Clear glass
2	Sandblasted glass

LED

27	2700K
30	3000K
40	4000K

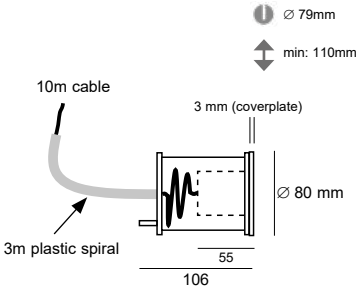
ANGLE

40	40°

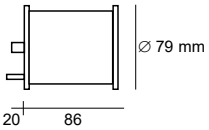
MATERIAL

16EP	Stainless steel 316L + Electropolishing

5000K = on request
10° = on request

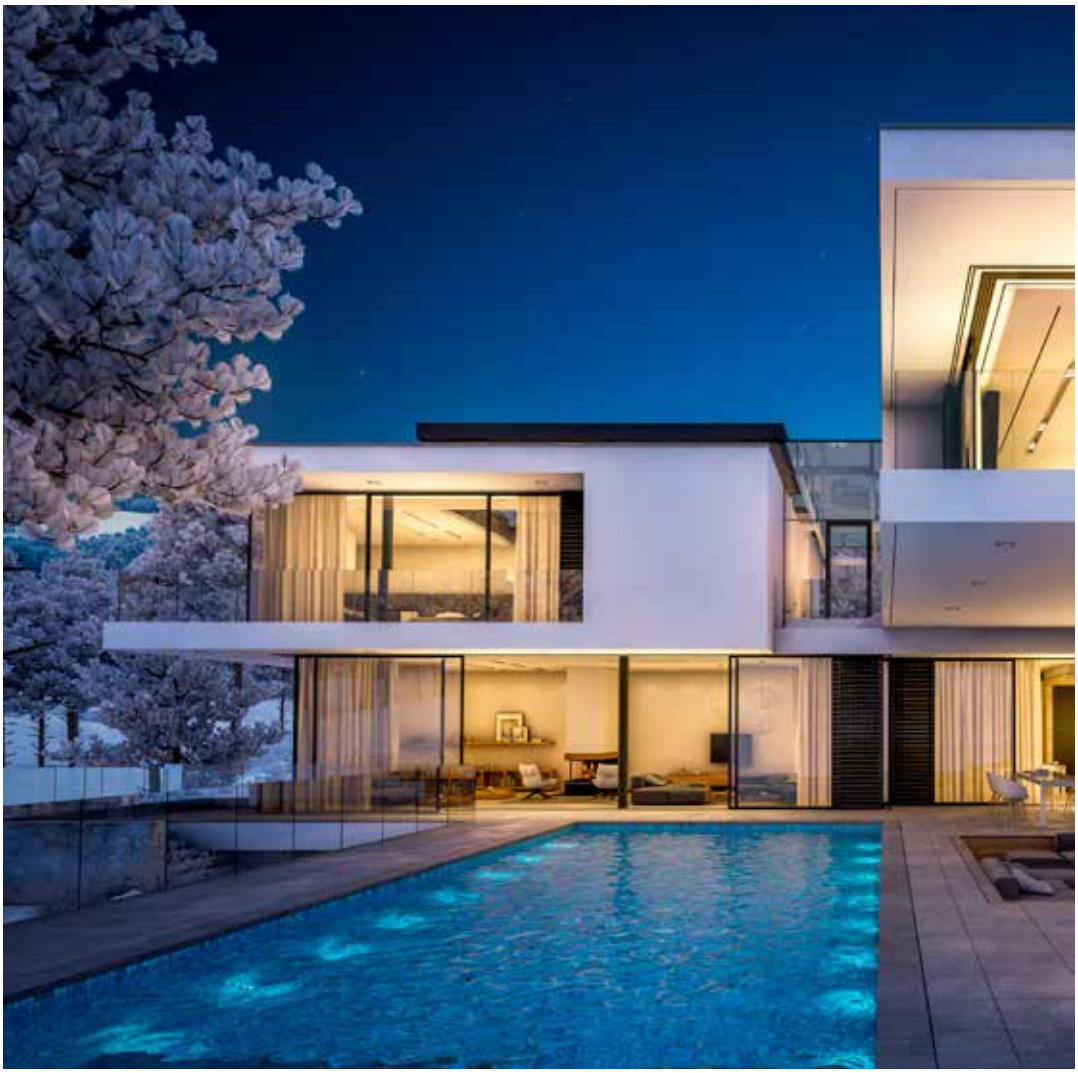


Nautic S recessed box included
(completely in stainless steel 316L)



Nautic S

Underwater Led light



∅ : 99mm

min: 110mm

200-700mA
3,4W - 13W

Nautic M

IP68

700mA

IK10

DESCRIPTION

Box & luminaire made completely in solid stainless steel 316L electropolish
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety clear or sandblasted glass
Led module COB CRI>80 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 2m
Provided with 10m cable + 3m plastic spiral

CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

ACCESSORIES

Led driver AC/CC from 200mA to 700mA
Led driver DC/CC (12-24VDC/200mA to 700mA)
Anti-glare honeycomb - Louver ref: X060.043.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Other led color: 5000K
Other beam angle: 15° / 36°
Other cable length (customized)

CLEAR GLASS

code : 1

SANDBLASTED GLASS

code : 2

code: 361F X XX XX .16EP

glass
led
angle°
material

DIMMABLE

3,4W to 13W
Without driver (200 → 700mA)

max. efficacity 141lm/W

Typical luminous flux (lm)				
	200mA 3,4W	350mA 6W	500mA 9W	700mA 13W
2700 K	455	725	995	1350
3000 K	480	760	1035	1400
4000 K	500	805	1095	1500
5000 K	550	845	1150	1570
voltage DC	17V	17,2V	18V	18,6V

GLASS

1	Clear glass
2	Sandblasted glass

LED

27	2700K
30	3000K
40	4000K

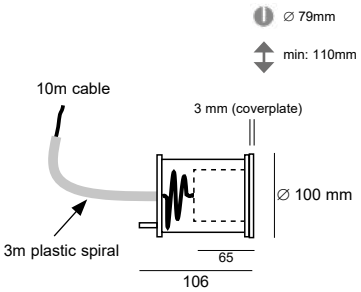
ANGLE

50	50°

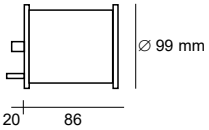
MATERIAL

16EP	Stainless steel 316L + Electropolishing

5000K = on request
15° / 36° = on request



Nautic M recessed box included (completely in stainless steel 316L)



Nautic M

Underwater Led light

∅ min: 32mm

min: 85mm

200-500mA
1,7W - 4,5W

Zona F

IP68

500mA

IK06

DESCRIPTION

Made completely in solid stainless steel 316L
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 2m
Provided with 3m cable

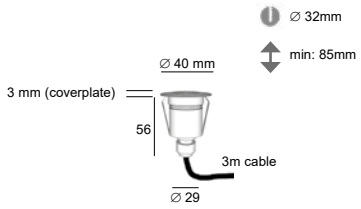
CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

ACCESSORIES

Recessed box - Pop 12 ref: X012
Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-24VDC/200mA to 500mA)
Anti-glare honeycomb - Louver ref: X060.021.3
Asymmetrical beam - visor HC ref: X061.022.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Other led color: 3000K / 5000K
Other beam angle: 50°
Other cover plate dimensions (customized)



Asymmetrical beam with Visor HC (half-circle)

code: 8022F. XXX . XX
led
material

DIMMABLE

1,7W to 4,5W

Without driver (200 → 500mA)

max. efficacity 128lm/W

Typical luminous flux (lm)			
	200mA 1,7W	350mA 3,2W	500mA 4,5W
2700 K	200	355	480
3000 K	215	370	510
4000 K	230	395	535
5000 K	235	410	560
voltage DC	8,5V	9V	9V

LED

D31 4000K - 35°
W31 2700K - 35°

3000K / 5000K = on request
50° = on request

MATERIAL

16 Stainless steel 316L
16EP Stainless steel 316L + Electropolishing

Regarding Electropolishing treatment (16EP), please refer to the information pages of this catalog for explanations.

Zona F

Underwater Led light

∅ min: 45mm

min: 100mm

ADJUSTABLE

200-500mA
1,7W - 4,5W

Xeno F

IP68

500mA

IK06

DESCRIPTION

Made completely in solid stainless steel 316L
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 2m
Provided with 3m cable

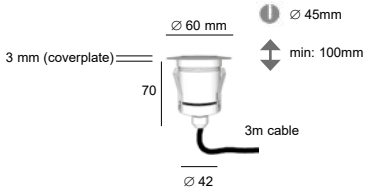
CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

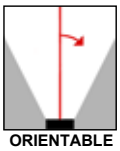
ACCESSORIES

Recessed box - Pop 1a/1b ref: X016A / X016B
Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-24VDC/200mA to 500mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Other led color: 3000K / 5000K
Other beam angle: 50°
Other cover plate dimensions (customized)





ORIENTABLE
360° - 45°

code: 8024F. XXX . XX
DIMMABLE
led
material

1,7W to 4,5W
Without driver (200 → 500mA)

max. efficacity 128lm/W

Typical luminous flux (lm)			
	200mA 1,7W	350mA 3,2W	500mA 4,5W
2700 K	200	355	480
3000 K	215	370	510
4000 K	230	395	535
5000 K	235	410	560
voltage DC	8,5V	9V	9V

LED

D31 4000K - 35°
W31 2700K - 35°

3000K / 5000K = on request
50° = on request

MATERIAL

16 Stainless steel 316L
16EP Stainless steel 316L + Electropolishing

Regarding Electropolishing treatment (16EP), please refer to the information pages of this catalog for explanations.

Xeno F

Underwater Led light

∅ min: 32mm

min: 90mm

200-700mA
3,4W - 13W

Bolas F

IP68

700mA

IK10

DESCRIPTION

Made completely in solid stainless steel 316L
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety extra clear glass 10mm thickness
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 2m
Provided with 3m cable

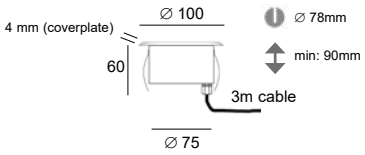
CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

ACCESSORIES

Recessed box - Pop 8b ref: X067B
Led driver AC/CC from 200mA to 700mA
Led driver DC/CC (12-24VDC/200mA to 700mA)
Anti-glare honeycomb - Louver ref: X060.043.3
Asymmetrical beam - visor HC ref: X061.050.2
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Other led color: 3000K / 5000K
Other beam angle: 15° / 36°
Other cover plate dimensions (customized)



Asymmetrical beam with Visor HC (half-circle)

code: 8028F. XXX R. XX
led
material
DIMMABLE

3,4W to 13W
Without driver (200 → 700mA)

max. efficacity 141lm/W

Typical luminous flux (lm)				
	200mA 3,4W	350mA 6W	500mA 9W	700mA 13W
2700 K	455	725	995	1350
3000 K	480	760	1035	1400
4000 K	500	805	1095	1500
5000 K	550	845	1150	1570
voltage DC	17V	17,2V	18V	18,6V

LED

D03 4000K - 50°
W03 2700K - 50°

3000K / 5000K = on request
15° / 36° = on request

MATERIAL

16 Stainless steel 316L
16EP Stainless steel 316L + Electropolishing

Regarding Electropolishing treatment (16EP), please refer to the information pages of this catalog for explanations.

Bolas F

Underwater Led light

200-500mA
1,7W - 4,5W

Kozi F

IP68

500mA

IK06

DESCRIPTION

Made completely in solid stainless steel 316L
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety extra clear glass
Led module COB CRI>90 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 1m
Provided with 3m cable

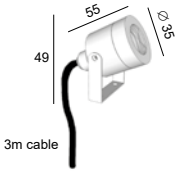
CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

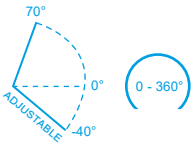
ACCESSORIES

Led driver AC/CC from 200mA to 500mA
Led driver DC/CC (12-24VDC/200mA to 500mA)
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Other led color: 3000K / 5000K
Other beam angle: 50°
Other cable length (customized)





1,7W to 4,5W

Without driver (200 ⟶ 500mA)

DIMMABLE

max. efficacity 128lm/W

code: 8042F. XXX . XX
led
material

Typical luminous flux (lm)	200mA 1,7W	350mA 3,2W	500mA 4,5W
2700 K	200	355	480
3000 K	215	370	510
4000 K	230	395	535
5000 K	235	410	560
voltage DC	8,5V	9V	9V

LED

D31 4000K - 35°
W31 2700K - 35°

3000K / 5000K = on request
50° = on request

MATERIAL

16 Stainless steel 316L
16EP Stainless steel 316L + Electropolishing

Regarding Electropolishing treatment (16EP), please refer to the information pages of the general catalog for explanations.

Kozi F

Underwater Led flood light

200-700mA
3,4W - 13W

Saturn F

IP68
700mA
IK10

CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM 30 V-DC with constant current

DESCRIPTION

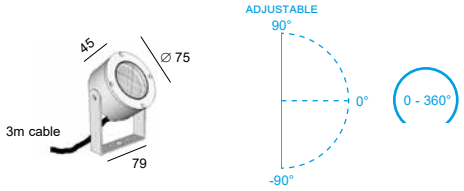
Made completely in solid stainless steel 316L
To use only in permanent immersion (underwater)
Operation up to a max. water temperature of 35°C
Safety extra clear glass 10mm thickness
Led module COB CRI>80 3SDCM 85.000hrs L80 B10
Degree of protection IP68, water depth up to 1m
Provided with 3m cable

ACCESSORIES

Led driver AC/CC from 200mA to 700mA
Led driver DC/CC (12-24VDC/200mA to 700mA)
Anti-glare honeycomb - Louver ref: X060.043.3
IP68 connection - Connex 2 / 3 / 4

ON REQUEST

Sandblasted glass
Other led color: 3000K / 5000K
Other beam angle: 15° / 36°
Other cable length (customized)



code: 8029F. XXX . XX
led
material

3,4W to 13W
Without driver (200 → 700mA)

DIMMABLE

max. efficacity 141lm/W

Typical luminous flux (lm)	200mA 3,4W	350mA 6W	500mA 9W	700mA 13W
2700 K	455	725	995	1350
3000 K	480	760	1035	1400
4000 K	500	805	1095	1500
5000 K	550	845	1150	1570
voltage DC	17V	17,2V	18V	18,6V

LED

D03 4000K - 50°
W03 2700K - 50°

3000K / 5000K = on request
15° / 36° = on request

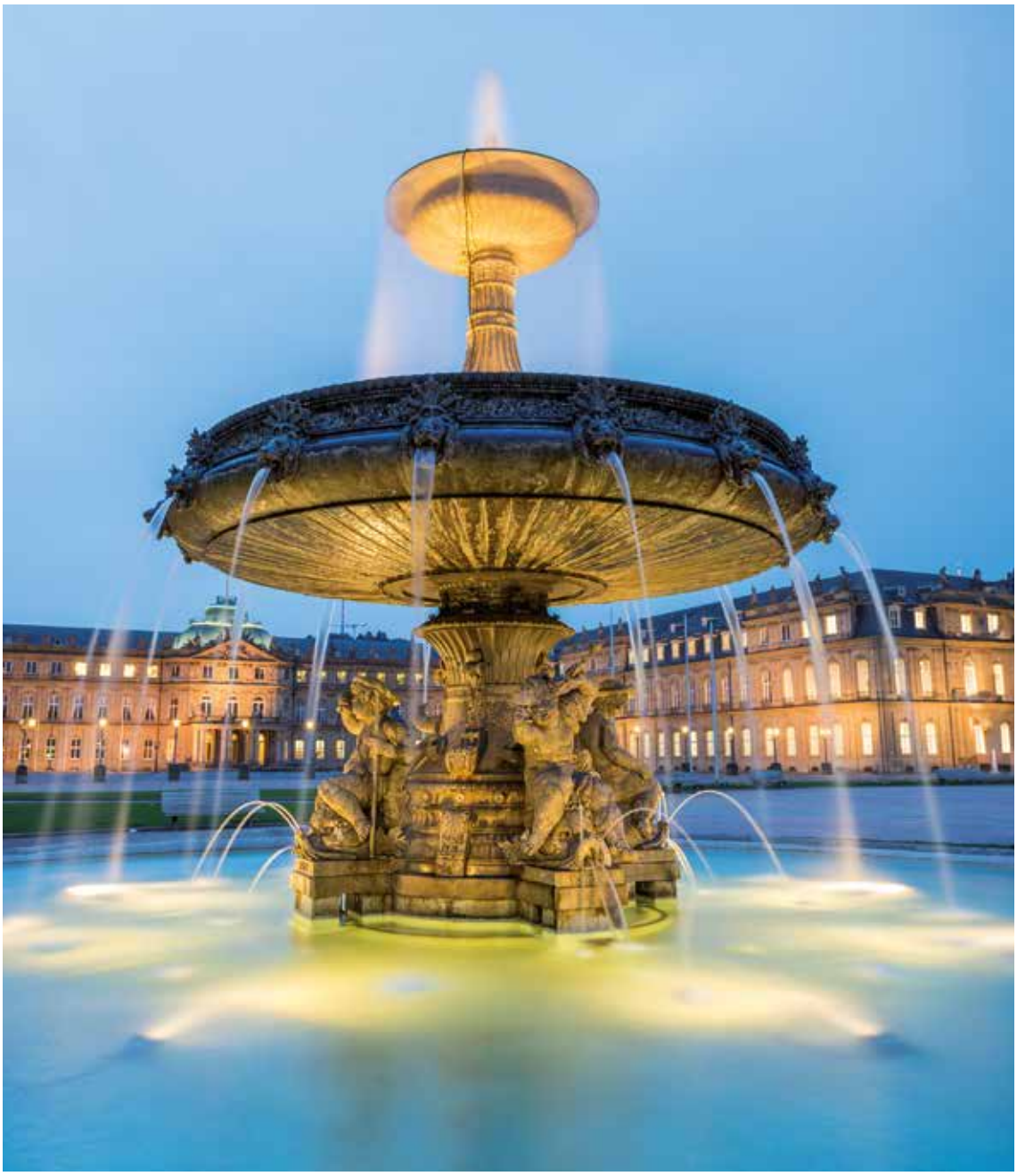
MATERIAL

16 Stainless steel 316L
16EP Stainless steel 316L + Electropolishing

Regarding Electropolishing treatment (16EP), please refer to the information pages of the general catalog for explanations.

Saturn F

Underwater Led flood light



ACCESSORIES

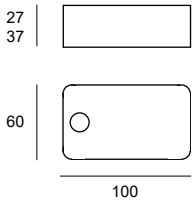
Bases and mounting rods for LENA

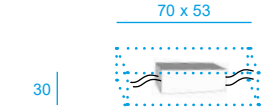
IP40

Name	Dimension		Code			For product (name)
Base 100-K	100x60mm	Thickness 27mm	**BASE.100K._ _**	**02A**	Anodized black	Stem C
Base 100-L	100x60mm	Thickness 37mm	**BASE.100L._ _**	**32D**	Anodized aluminum	Lena Pro M - B
				33	Anodized bronze	Lena Pro S - B
						Lena GU - B

With M14 - Can be used with Led power supply

Led power supply CC 350mA or 500mA not included
Make your selection on the accessory pages





free space to integrate a power supply & connection
in BASE 100-L
70x53 mm / Thickness 30mm

Base 100-L
Compatible power supply

DC006.0350.20D0
DC010.0350.65D1
DC010.0500.65D0
DC010.0500.65D1

1 x LENA Pro S-B code: 7024B.30440.02A
1 x BASE 100-L code: BASE.100L.02A
1 x Power Supply code: .DC.006.0350.20D0

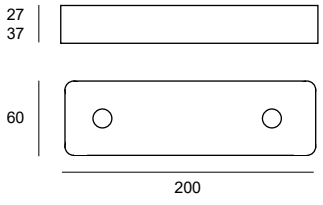
1 x LENA Pro M-B code: 7025B.30440.33
1 x BASE 100-L code: BASE.100L.33
1 x Power Supply code: .DC.010.0500.65D0

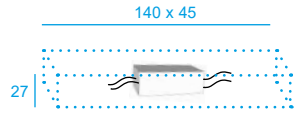
IP40

Name	Dimension		Code			For product (name)
Base 200-A	200x60mm	Thickness 27mm	**BASE.200A._ _**	**02A**	Anodized black	Stem C
Base 200-B	200x60mm	Thickness 37mm	**BASE.200B._ _**	**32D**	Anodized aluminum	Lena Pro M - B
				33	Anodized bronze	Lena Pro S - B
						Lena GU - B

With M14 - Can be used with Led power supply

Led power supply CC 350mA or 500mA not included
Make your selection on the accessory pages





free space to integrate a power supply & connection
in BASE 200-B
140x45 mm / Thickness 27mm

Base 200-B
Compatible power supply

DC010.0350.65D1

2 x LENA Pro S-B code: 7024B.30440.02A
1 x BASE 200-B code: BASE.200B.02A
1 x Power Supply code: .DC.010.0350.65D1

2 x LENA GU-B code: 7026B.GU.02A
1 x BASE 200-A code: BASE.200A.02A

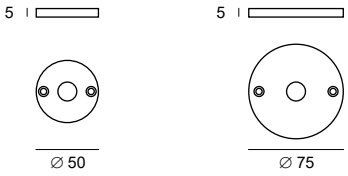
Led flood light

Accessories for LENA

Bases and mounting rods for LENA

Name	Dimension		Code	Color		For product (name)
Base 50-A	Ø 50 mm	Thickness 5mm	**BASE.050A._ _**	**02A**	Anodized black	Stem C
Base 75-A	Ø 75 mm	Thickness 5mm	**BASE.075A._ _**	**32D**	Anodized aluminum	Lena Pro M - B
				33	Anodized bronze	Lena Pro S - B
						Lena GU - B

With M14

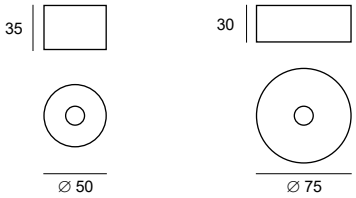


1 x LENA Pro M-B code: 7025B.30940.02A
1 x BASE 75-A code: BASE.075A.02A

IP65

Name	Dimension		Code	Color		For product (name)
Base 50-B	Ø 50 mm	Thickness 35mm	**BASE.050B._ _**	**02A**	Anodized black	Stem C
Base 75-B	Ø 75 mm	Thickness 30mm	**BASE.075B._ _**	**32D**	Anodized aluminum	Lena Pro M - B
				33	Anodized bronze	Lena Pro S - B
						Lena GU - B

With M14



1 x LENA Pro S-B code: 7024B.30440.33
1 x BASE 50-B code: BASE.050B.33

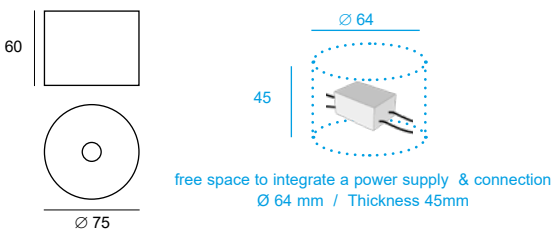
1 x LENA Pro S-B code: 7025B.30940.02A
1 x BASE 75-B code: BASE.075B.02A

IP65

Name	Dimension		Code	Color		For product (name)
Base 75-C	Ø 75 mm	Thickness 60mm	**BASE.075C._ _**	**02A**	Anodized black	Stem C
				32D	Anodized aluminum	Lena Pro M - B
				33	Anodized bronze	Lena Pro S - B

With M14 - To use with Led power supply

Led power supply CC 350mA or 500mA not included
Make your selection on the accessory pages



free space to integrate a power supply & connection
Ø 64 mm / Thickness 45mm

Compatible power supply

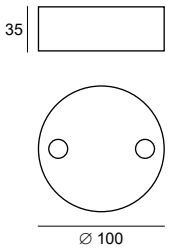
DC006.0350.20D0
DC010.0350.65D1
DC012.0350.65D0
DC010.0500.65D0
DC010.0500.65D1

Bases and mounting rods for LENA

IP65

Name	Dimension	Code			For product (name)
Base 100-B	Ø 100 mm Thickness 35mm	**BASE.100B._ _**	**02A**	Anodized black	Stem C
			32D	Anodized aluminum	Lena Pro M - B
			33	Anodized bronze	Lena Pro S - B
					Lena GU - B

With M14



2 x LENA GU-B code: 7026B.GU.33
1 x BASE 100-B code: BASE.100B.33

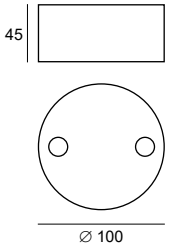
IP65

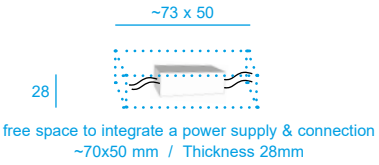
Name	Dimension	Code			For product (name)
Base 100-C	Ø 100 mm Thickness 45mm	**BASE.100C._ _**	**02A**	Anodized black	Stem C
			32D	Anodized aluminum	Lena Pro M - B
			33	Anodized bronze	Lena Pro S - B
					Lena GU - B

With M14 - Can be used with Led power supply

Led power supply CC 350mA or 500mA not included
Make your selection on the accessory pages

Compatible power supply
DC010.0350.65D1
DC012.0350.65D0
DC010.0500.65D0
DC010.0500.65D1





free space to integrate a power supply & connection
~70x50 mm / Thickness 28mm

2 x LENA Pro S-B code: 7024B.30440.02A
1 x BASE 100-C code: BASE.100C.02A
1 x Power Supply code: .DC.010.0350.65D1

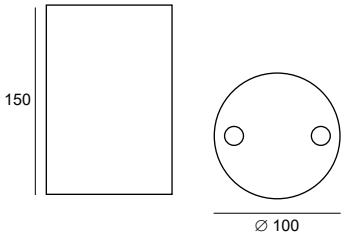
IP65

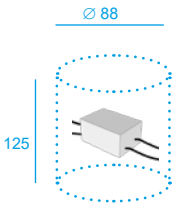
Name	Dimension	Code			For product (name)
Base 100-D	Ø 100 mm Thickness 150mm	**BASE.100D._ _**	**02A**	Anodized black	Stem C
			32D	Anodized aluminum	Lena Pro M - B
			33	Anodized bronze	Lena Pro S - B
					Lena GU - B

With M14 - Can be used with Led power supply

Led power supply CC 350mA or 500mA not included
Make your selection on the accessory pages

Compatible power supply
DC010.0350.65D1
DC012.0350.65D0
DC010.0500.65D0
DC010.0500.65D1
... and many other





free space to integrate a power supply & connection
Ø 88 mm / Thickness 125mm

2 x LENA GU-B code: 7026B.GU.02A
1 x STEM C code: TI20.050.M1.02A
1 x STEM C code: TI20.020.M1.02A
1 x BASE 100-D code: BASE.100D.02A

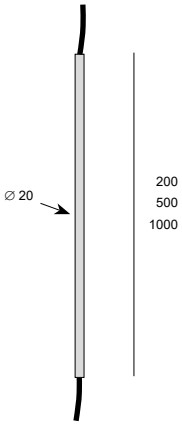
Led flood light

Accessories for LENA

Bases and mounting rods for LENA

Name	Dimension		Code	Color		For product (name)
Stem C	Ø 20 mm	Height 200mm	**TI20.020.M1._ _**	**02A**	Anodized black	Lena Pro M - B
		Height 500mm	**TI20.050.M1._ _**	**32D**	Anodized aluminum	Lena Pro S - B
		Height 1000mm	**TI20.100.M1._ _**	**33**	Anodized bronze	Lena GU - B

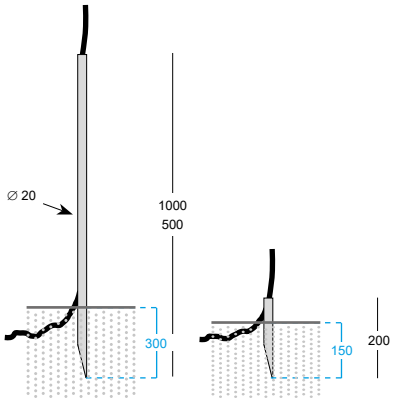
With M14 for fixing on a Base



1 x LENA Pro M-B code: 7025B.30940.02A
1 x STEM C code: TI20.050.M1.02A
1 x BASE 75-B code: BASE.075B.02A

Name	Dimension		Code	Color		For product (name)
Stem D	Ø 20 mm	Height 200mm	**TI20.020.SK._ _**	**02A**	Anodized black	Lena Pro M - B
		Height 500mm	**TI20.050.SK._ _**	**32D**	Anodized aluminum	Lena Pro S - B
		Height 1000mm	**TI20.100.SK._ _**	**33**	Anodized bronze	Lena GU - B

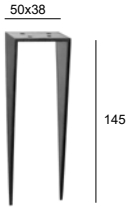
With Spike for ground fixing



1 x LENA Pro S-B code: 7024B.30440.02A
1 x STEM D code: TI20.050.SK.02A

Name	Dimension		Code	Color		For product (name)
Pic 4	50x38mm	Height 145mm	**804.04.02A**	**02A**	Anodized black	Lena Pro M - A Lena Pro S - A Lena GU - A

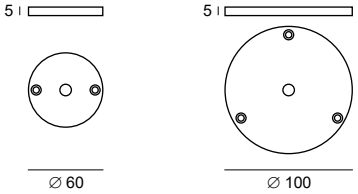
Spike for ground fixing



Bases and mounting rods for various flood lights

Name	Dimension		Code	Color		For product (name)
Base 60-A	Ø 60mm	Thickness 5mm	**BASE.060A._ _**	**02A**	Anodized black	Stem A
Base 100-A	Ø 100mm	Thickness 5mm	**BASE.100A._ _**	**04**	Brushed stainless steel	Cylinder S
				07	Brushed brass	Saturn Led - HP Led
				21	Brushed copper	
				32	Anodized aluminum	

With M10

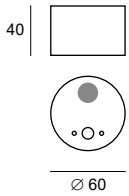


1 x MAXIMA-65 code: 7002.W22.07
1 x STEM A code: TI.010.M10A.07
1 x BASE 060A code: BASE.060A.02A

IP65

Name	Dimension		Code	Color		For product (name)
Base 60-B	Ø 60mm	Thickness 40mm	**BASE.060B._ _**	**02A**	Anodized black	Stem A
				04	Brushed stainless steel	Cylinder S
				07	Brushed brass	Kozi S
				21	Brushed copper	Saturn Led - HP Led
				32	Anodized aluminum	

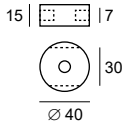
With M10
Cable gland included



1 x KOZI-S code: 8042.W32.04
1 x BASE 060B code: BASE.060B.04

Name	Dimension		Code	Color		For product (name)
Base Strap	Ø 40mm	Thickness 15mm	**AC.FX01.02A**	**02A**	Anodized black	Stem A
						Cylinder S
						Saturn Led - HP Led
						Salsa

With M10



- Strap not included
- Sangle non incluse
- Strap niet inbegrepen
- Gurt nicht im Lieferumfang enthalten

Led flood light

Accessories

Bases and mounting rods for various flood lights

Name	Dimension		Code	Color		For product (name)
Stem A	Ø 10mm	Height 100mm	**TI.010.M10A._ _**	**02A**	Anodized black	Cylinder S
		Height 200mm	**TI.020.M10A._ _**	**04**	Brushed stainless steel	Kozi S
		Height 500mm	**TI.050.M10A._ _**	**07**	Brushed brass	Maxima 50-65-100-GU
		Height 1000mm	**TI.100.M10A._ _**	**21**	Brushed copper	Saturn Led - HP Led
				32	Anodized aluminum	Zax-S 10°

With M10 for fixing on a Base

1 x MAXIMA-50 code: 7004.W27.04
1 x STEM A code: TI.010.M10A.04
1 x BASE 060A code: BASE.060A.04

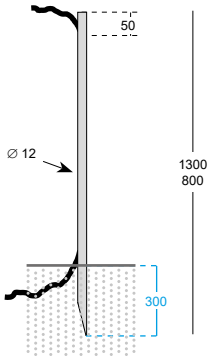
Name	Dimension		Code	Color		For product (name)
Stem B	Ø 10 mm	Height 100mm	**TI.010.SPK._ _**	**02A**	Anodized black	Cylinder S
		Height 200mm	**TI.020.SPK._ _**	**04**	Brushed stainless steel	Kozi S
		Height 500mm	**TI.050.SPK._ _**	**07**	Brushed brass	Maxima 50-65-100-GU
		Height 1000mm	**TI.100.SPK._ _**	**21**	Brushed copper	Salsa
				32	Anodized aluminum	Saturn Led - HP Led
						Zax-S 10°

With Spike for ground fixing

1 x KOZI-S code: 8042.W32.21
1 x STEM B code: TI.050.SPK.21

Name	Dimension		Code	Color		For product (name)
Stem E	Ø 12 mm	Height 800mm	**TI12.080.Z._ _**	**02A**	Anodized black	Cylinder S
		Height 1300mm	**TI12.130.Z._ _**	**04**	Brushed stainless steel	Kozi S
				07	Brushed brass	Maxima 50-65-100-GU
				32	Anodized aluminum	Salsa
						Saturn Led - HP Led
						Zax-S 10°

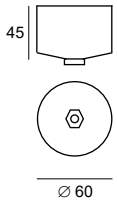
With Spike for ground fixing



1 x MAXIMA-50 code: 7004.W27.02A
1 x STEM E code: TI12.130.Z.02A

Bases and others accessories for various flood lights

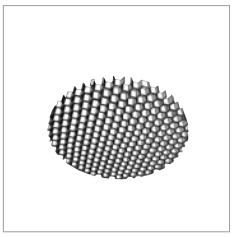
Name	Dimension	Code	Color	For product (name)
Salsa base	Ø 60 mm Thickness 45mm	**AC.8091._ _**	**02A** anodized black **07** Brushed brass	Salsa



1 x SALSA code: 8091.W3.07
1 x SALSA BASE code: AC.8091.07

Name	Dimension	Code	Color	For product (name)
Anti-glare 01	Ø 40 mm Height 50mm	**AC.8042.AG._ _**	**02A** Anodized black **04** Brushed stainless steel **07** Brushed brass **21** Brushed copper **32** Anodized aluminum	Kozi S / Kozi FL
Anti-glare 02	Ø 65 mm Height 85mm	**AC.7001.AG._ _**		Cylinder S / Maxima GU
Anti-glare 03	Ø 70 mm Height 85mm	**AC.7002.AG._ _**		Maxima 65
Anti-glare 06	Ø 80 mm Height 100mm	**AC.8029.AG._ _**		Saturn
Anti-glare 04	Ø 110 mm Height 130mm	**AC.7003.AG._ _**	please check the color availability in the price list	Maxima 100

1 x SATURN LED code: 7006.W22.32
1 x ANTIGLARE 06 code: AC.8029.AG.32



Name	Dimension	Code	Color	For product (name)
Louver	Ø 29 mm Thickness 3mm	**X060.029.3**	Anodized Black	Lena Pro S
	Ø 43 mm Thickness 3mm	**X060.043.3**		Maxima 65 / Saturn
	Ø 50 mm Thickness 3mm	**X060.050.3**		Cylinder S Lena Pro M Maxima GU
	Ø 68 mm Thickness 3mm	**X060.068.3**		Zax-S 10°
	Ø 82 mm Thickness 3mm	**X060.082.3**		Maxima 100

This accessory is to be installed in the luminaire upon initial order and factory assembly.

1 x MAXIMA-100 code: 7003.W12.02A
1 x LOUVER code: X060.082.3

Accessories for wall lighting

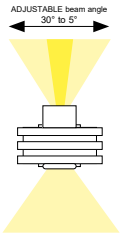
Name	Dimension		Code	Color		For product (name)
Lens 01	Ø 46 mm	Thickness 16mm	**AC.8041.32**	**32**	Anodized aluminum	Koba Maxima-50 Micro TR Okio

Made of anodised aluminum

This accessory is to be installed in the luminaire upon initial order and factory assembly.

Name	Dimension		Code	Color		For product (name)
Lens 02	Ø 65 mm	Height 59mm	**AC.7012.1._ _**	**02A** **32**	Anodized black Anodized aluminum	Wally XL

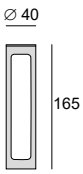
Made of anodised aluminum



1 x WALLY XL code: 7012.W22.32
1 x LENS 02 code: AC.7012.1.32

Name	Dimension		Code	Color		For product (name)
Coversab 2	Ø 40 mm	Height 165mm	**384.AC1._ _**	**02A** **32** **33** **34** **35** **36**	Anodized black Anodized aluminum Anodized bronze Anodized matt gold Anodized green Anodized burgundy	LightSaber D

Made of anodised aluminum



1 x LIGHTSABER D code: 384.272.36
1 x COVERSAB 2 code: 384.AC1.36

Accessories for various garden bollards

Name	Dimension	Code	Color	For product (name)
DET Dim-M	Ø 50 mm Height 17mm	**DET.D1**		...Ask us if you have a project
DET Dim-S		**DET.D2**		
DET On-Off		**DET.D3**		

This accessory is to be installed in the luminaire upon initial order and factory assembly.

Kit with detector

DET Dim-M = Presence detector MASTER (with function orientation lighting of 10%)
DET Dim-S = Presence detector SLAVE
DET On-Off = Motion detector On/Off

example with SAMPA PRO

Name	Dimension	Code	Color	For product (name)
IR Dim		**DET.IR.D1**		Sampa PRO ULYSS PRO DET Dim DET On-Off
IR On-Off		**DET.IR.D3**		

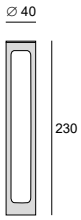
Led garden light

Accessories

Accessories for various garden bollards

Name	Dimension	Code	Color	For product (name)
CoverSab 1	Ø 40 mm Height 23mm	**383.AC1._ _**	**02A** Anodized black **33** Anodized bronze	LightSaber *(only 3,2W model)*

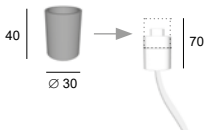
Made of anodized aluminum



1 x LIGHTSABER code: 383.1272.02A
1 x COVERSAB 1 code: 383.AC1.02A

Name	Dimension	Code	Color	For product (name)
SamiFlex AG	Ø 40 mm Height 30mm	**7021.AC01.02A**	Anodized Black	Sami-Flex
Sami AG	Ø 40 mm Height 30mm	**8031.AC01.21**	Brushed copper	Sami

Anti-glare ring made of anodized aluminum or brushed brass.



1 x SAMI-FLEX code: 7021.1W32.02A
1 x SAMIFLEX AG code: 7021.AC01.02A

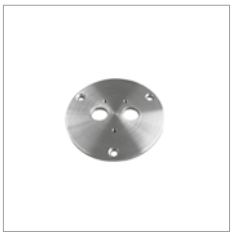
Name	Dimension	Code	Color	For product (name)
Cover 180	Ø 80 mm Height 100mm	**969.AC01.02A**	Anodized Black	Ulyss PRO

Made of anodized aluminum
180° half circle asymmetric beam cover

This accessory is to be installed in the luminaire upon initial order and factory assembly.

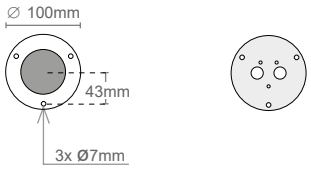
1 x ULYSS PRO code: 969P1.301.02
1 x COVER 180 code: 969.AC01.02A

Bases and mounting brackets for various garden bollards



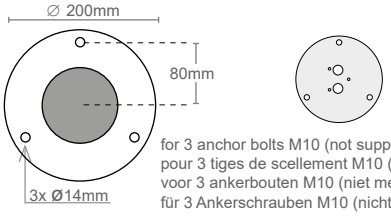
Name	Dimension	Code	Color	For product (name)
EasyFix	Ø 100mm Thickness 5mm	**X100A._ _**	**02A** Anodized black **04** Brushed stainless steel **07** Brushed brass **21** Brushed copper **32** Anodized aluminum **33** Anodized bronze	Disk Sarm FL Pic 1

Made of stainless steel, copper, brass or anodised aluminum.



Name	Dimension	Code	Color	For product (name)
Stic	Ø 200mm Thickness 5mm	**X004._ _**	**02** Black **04** Brushed stainless steel **24** Corten **32** Anodized aluminum **39** Grey **48** Dark grey	Elyo FL Nomad 1 Sabri FL Spirit FL Sumo FL Ulyss FL

Made of stainless steel, anodised aluminum or painted aluminum

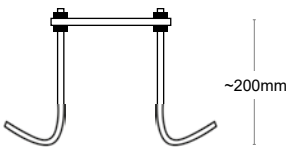


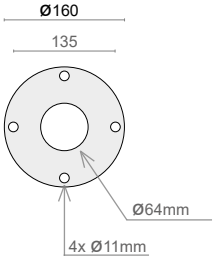
for 3 anchor bolts M10 (not supplied)
pour 3 tiges de scellement M10 (non fournies)
voor 3 ankerbouten M10 (niet meegeleverd)
für 3 Ankerschrauben M10 (nicht enthalten)

1 x ELYO FL code: 217.327.39
1 x STIC code: X004.04

Name	Dimension	Code	Color	For product (name)
Fix 04	Ø 160mm Height 200mm	**AC.FX24.GZ**	Galvanised steel	Ulyss PRO

Anchor kit with Included:
- 1 x galvanized plate d. 160mm, thickness 5,5mm
  - with 4 holes d.11mm for the passage of the 4 stems
  - with 1 hole d.64mm for the passage of the cables sheaths
- 4 x stems with M10 with length of ~20cm (folded stems)
- 8 x bolts M10 in stainless steel
- 8 x stainless steel washers



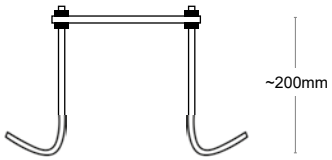


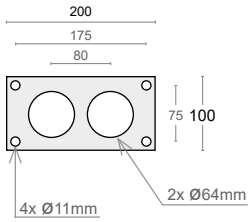
for 4 anchor stems M10
pour 4 tiges de scellement M10
voor 4 ankerstengels M10
für 4 Ankerstiele M10

Bases and mounting brackets for various garden bollards

Name	Dimension	Code	Color	For product (name)
Fix 01	200x100mm Height 200mm	**AC.FX21.GZ**	Galvanised steel	Sampa PRO

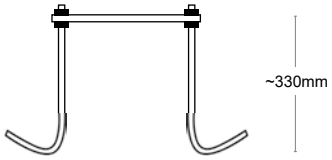
Anchor kit with Included:
- 1 x galvanized plate 200x100mm, thickness 5,5mm
  - with 4 holes d.11mm for the passage of the 4 stems
  - with 2 holes d.64mm for the passage of the cables sheaths
- 4 x stems with M10 with length of ~20cm (folded stems)
- 8 x bolts M10 in stainless steel
- 8 x stainless steel washers

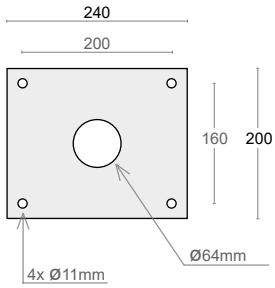




Name	Dimension	Code	Color	For product (name)
Fix 02	240x200mm Height 330mm	**AC.FX22.GZ**	Galvanised steel	Sampa L

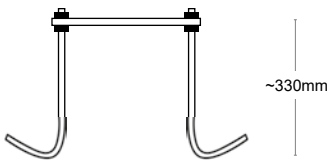
Anchor kit with Included:
- 1 x galvanized plate 240x200mm, thickness 5,5mm
  - with 4 holes d.11mm for the passage of the 4 stems
  - with 1 hole d.64mm for the passage of the cables sheaths
- 4 x stems with M10 with length of ~35cm (folded stems)
- 8 x bolts M10 in stainless steel
- 8 x stainless steel washers

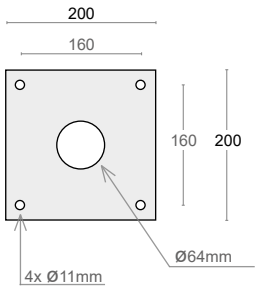




Name	Dimension	Code	Color	For product (name)
Fix 03	200x200mm Height 330mm	**AC.FX23.GZ**	Galvanised steel	Artist Torga L

Anchor kit with Included:
- 1 x galvanized plate 200x100mm, thickness 5,5mm
  - with 4 holes d.11mm for the passage of the 4 stems
  - with 1 hole d.64mm for the passage of the cables sheaths
- 4 x stems with M10 with length of ~35cm (folded stems)
- 8 x bolts M10 in stainless steel
- 8 x stainless steel washers

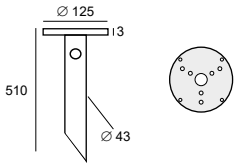




Bases and mounting brackets for various luminaires

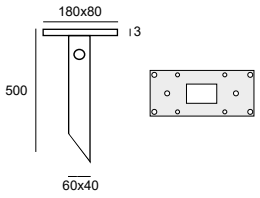
Name	Dimension	Code	Color	For product (name)
Pic 1	Ø 125mm Height 510mm	**802.00.02**	Galvanised steel	Atlantic FL Disk with Easyfix Goliath K - R Kozi FL Manix FL Max FL Nomad 1 Onyx FL Phantom Poeme FL Sabri FL Sarm FL with Easyfix Stoumpi Spirit FL - RFL - KFL Sumo FL - RFL Torga FL Ulyss FL Zebra FL

Made of galvanised steel



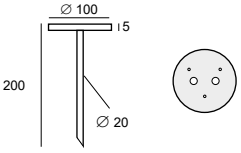
Name	Dimension	Code	Color	For product (name)
Pic 2	180x80mm Height 500mm	**803.00.02**	Galvanised steel	Big Seven Indy Sampa FL Seven Strato

Made of galvanised steel



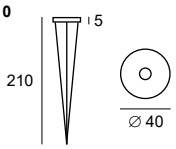
Name	Dimension	Code	Color	For product (name)
Pic 3	Ø 100 mm Height 200mm	**804.00.32**	Anodized aluminum	Alina Goliath K - R Saturn HP Led 230V

Made of anodized aluminum



Name	Dimension	Code	Color	For product (name)
Ecopic	Ø 40 mm Height 210mm	**805.00.07**	**07** Cast Brass	Salsa

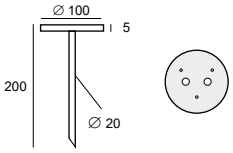
With M10



Bases and mounting brackets for various luminaires

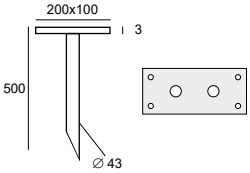
Name	Dimension	Code	Color	For product (name)
Pic 5	Ø 100 mm Height 200mm	**804.05.02A**	Anodized aluminum	Focus Pharos VHX Sonar Target

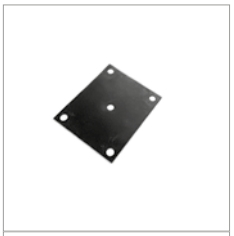
Made of anodized aluminum



Name	Dimension	Code	Color	For product (name)
Pic 6	200x100 mm Height 500mm	**804.06.GZ**	Galvanised steel	Sampa PRO

Made of galvanised steel





Name	Dimension	Code	Color	For product (name)
Gasket 1	100x80 mm Thickness 2mm	**GK.100X080**	Black	Indy Seven Strato
Gasket 2	100x100 mm Thickness 2mm	**GK.100X100**		Torga FL Phantom
Gasket 3	180x80 mm Thickness 2mm	**GK.180X080**		Big Seven Sampa FL
Gasket 4	200x100 mm Thickness 2mm	**GK.200X100**		Sampa PRO

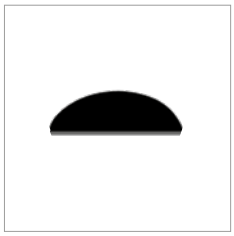
Made of EPDM

EPDM ant seal.
to prevent ants from establishing a nest in the luminaire when it is installed with an accessory to be stuck into the ground, as for example “Pic”.
This is to prevent, among other things, the cables from being damaged by ants.

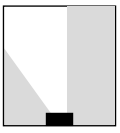
Recessed boxes for wall lighting, uplighting & downlighting

Name		Dimension		Code	Material	For product (name)
Pop 13		Ø 25 mm	Length 60mm	**X013**	Plastic PVC tube	Tini
Pop 12		Ø 40 mm	Length 100mm	**X012**		Faki / Poco / Tango Tekno / Zona
Pop 3		Ø 45 mm	Length 55mm	**X053**		Genesis
Pop 11		Ø 50 mm	Length 100mm	**X015**		iFi S / Paso
Pop 1	**a**	Ø 55 mm	Length 65mm	**X016A**		Xeno ...
	b	Ø 55 mm	Length 150mm	**X016B**		
Pop 10	**a**	Ø 75 mm	Length 120mm	**X054A**		ifi M / Banio / Circo / Perla Dark / Pharos VHX Zaxor Mini
	b	Ø 75 mm	Length 250mm	**X054B**		
Pop 8	**a**	Ø 80 mm	Length 80mm	**X067A**		Bolas VHX Bolas / ...Led / ...HPL /...F
	b	Ø 80 mm	Length 160mm	**X067B**		
Pop 5	**a**	Ø 106 mm	Length 117mm	**X055A**		Zaxor Led /...Led-O/...10° Zaxor GZ/...GZO
	b	Ø 106 mm	Length 250mm	**X055B**		
Pop 6	**a**	Ø 160 mm	Length 150mm	**X056A**		Zaxor HPL / Bolas O-HPL
	b	Ø 160 mm	Length 250mm	**X056B**		
Pop 7		Ø 200 mm	Length 200mm	**X057**		Zaxor O-HPL

Accessories for recessed uplighting & downlighting

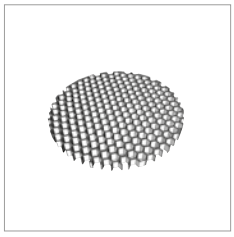


Name	Dimension		Code	Color	For product (name)
Visor HC	Ø 22 mm	Thickness 2mm	**X061.022.2**	Black	Zona R (Dark) / .. S / .. F Zaxor Mini
	Ø 50 mm	Thickness 2mm	**X061.050.2**		Bolas Led / ...HPL / ...F



Asymmetrical beam with Visor HC (half-circle)

This accessory is to be installed in the luminaire upon initial order and factory assembly.



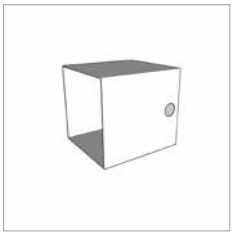
Name	Dimension		Code	Color	For product (name)
Louver	Ø 21 mm	Thickness 3mm	**X060.021.3**	Black	Zona R (Dark) / .. S / .. F Zaxor Mini
	Ø 29 mm	Thickness 3mm	**X060.029.3**		Focus / Paso / iFi S
	Ø 43 mm	Thickness 3mm	**X060.043.3**		Bolas / ...Led / ...HPL / ...F
	Ø 50 mm	Thickness 3mm	**X060.050.3**		Banio / Beto / Circo / iFi M Bolas O-HPL / Perla Dark
	Ø 68 mm	Thickness 3mm	**X060.068.3**		Zaxor Led / ...10° / ...Led-O

This accessory is to be installed in the luminaire upon initial order and factory assembly.

Led recessed lighting

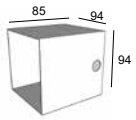
Accessories

Recessed boxes for wall lighting, uplighting & downlighting



Name	Dimension	Code	Color	For product (name)
Krypto Box 2	94x94 mm Thickness 85mm	**X064**	Galvanised steel	Krypto 2

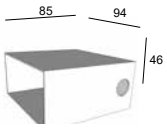
Made of galvanised steel



1 x KRYPTO 2 code: 1188.272B.02A
1 x KRYPTO BOX 2 code: X064

Name	Dimension	Code	Color	For product (name)
Krypto Box 3	94x46 mm Thickness 85mm	**X065**	Galvanised steel	Krypto 3

Made of galvanised steel



1 x KRYPTO 3 code: 1189.272B.02A
1 x KRYPTO BOX 2 code: X065

Name	Dimension	Code	Color	For product (name)
Standard Box 1	72x72 mm Thickness 65mm	**SB.01**		Hydro Yorka

Made of plastic

Name	Dimension	Code	Color	For product (name)
Standard Box 2	Ø 70 mm Thickness 65mm	**SB.02**		Hydro Yorka

Made of plastic

Name	Dimension	Code	Color	For product (name)
Standard Box 3		**SB.03**		Beto

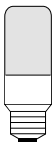
Made of plastic

Junction box and connector IP68

NAME	Connex 2	Connex 3	Connex 4
CODE	**X082**	**X082.Y**	**X083**
Information	connection with 3 poles Rated voltage: 250V Rated current: 10 A for cables Ø 5,8-12mm CE - IP68	3 lines connection Rated voltage: 250V Rated current: 10 A for cables Ø 5,8-11mm CE - IP68	connection box Fast repair of damaged cables for cables Ø 1-13mm CE - Class II - IP68
Dimensions (mm)	Ø 23 mm L68mm	110x60x30mm	63x41x28mm

NAME	Connex 5	Connex 6	KitBox IP68
CODE	**X131**	**X132**	**X121**
Information	Equipped with cable glands Pre-filled with non-toxic gel Complete with connector 2 poles Minimal aesthetic impact for cables Ø 6-10mm CE - IP68	Equipped with cable glands Pre-filled with non-toxic gel Complete with connector 3 poles Minimal aesthetic impact for cables Ø 8-13mm CE - IP68	Junction box - with 8 entries & 3 cable glands M25 x 1,5 / caps - with Single bicomponent bottle - with 1 small basin - 1 mixing spoon CE - Class II - IP68
Dimensions (mm)	75x28x19mm	80x36x23mm	100x100x50mm

Led lamp E27

			
NAME	Led bulb E27		
CODE	**LED.E201.10830**		
Dimensions (mm)	LED lamp E27 Non-Dim 3000K - CRI >80 **9,5W** - 950 lumens 15.000h 220-240V 50/60Hz diameter: 38mm Height: 115mm		

For all products

On request

Cables

Name	Extra cable 1 meter	Code	Color	For product (name):	
				Floodlight	**Uplighting**
Cable 01	Type as RN8-F 2x 0,5mm²	**SUP.001**	Black	Kozi S-F Lena Pro Saturn F Saturn HP Led Zax-S 10°	Bolas HPL Bolas VHX Focus Genesis Nautic Perla Dark Pharos VHX Tango Target Xeno Zaxor Led Zaxor Led-O Zaxor Mini Zaxor 10° Zona

For luminaire from 200mA to 700mA

Rubber PCP (polychloroprene)
maximum 48V
diameter 5,9mm

This cable supplement must be ordered with the initial order as assembly must be carried out in the factory.

Name	Extra cable 1 meter	Code	Color	For product (name):	
				Floodlight	**Uplighting**
Cable 03	Type H05RN-F 3x 1,0mm²	**SUP.003**	Black	Cylinder S Lena GU Maxima 50-65-100-GU Nocturn Salsa Saturn Led	Bolas Bolas Led Bolas O-HPL Bolas VHX 230V Pharos VHX 230V Zaxor GZ Zaxor GZO Zaxor HPL Zaxor O-HPL Zaxor Led 230V Zaxor Led-O 230V Zaxor Mini 230V

For luminaire 220-240V AC

Rubber PCP (polychloroprene)
maximum 300V 50-60Hz
diameter: 7,2mm

This cable supplement must be ordered with the initial order as assembly must be carried out in the factory.

Name	Extra cable 1 meter	Code	Color	For product (name):
				Floodlight
Cable 05	Type 2x 0,35mm²	**SUP.005**	Black	Sami Sami-flex

For luminaire from 200mA to 350mA

PVC insulation (to use with a protective sheath in the ground)
maximum 48V
diameter 3,6mm

This cable supplement must be ordered with the initial order as assembly must be carried out in the factory.

Codes to use for led changement “On request”

LED from 350mA to 700mA

MOD.0024.27K	LED modification:1,1W-2700K-CRI>90-115lm-350mA
MOD.0024.30K	LED modification:1,1W-3000K-CRI>90-125lm-350mA
MOD.0024.40K	LED modification:1,1W-4000K-CRI>80-135lm-350mA
MOD.0024.50K	LED modification:1,1W-5000K-CRI>80-145lm-350mA
MOD.0030.27K	LED modification:3,2W-2700K-CRI>90-355lm-350mA
MOD.0030.30K	LED modification:3,2W-3000K-CRI>90-370lm-350mA
MOD.0030.40K	LED modification:3,2W-4000K-CRI>80-395lm-350mA
MOD.0030.50K	LED modification:3,2W-5000K-CRI>80-410lm-350mA
MOD.0030F.27K	LED modification:4,5W-2700K-CRI>90-480lm-500mA
MOD.0030F.30K	LED modification:4,5W-3000K-CRI>90-510lm-500mA
MOD.0030F.40K	LED modification:4,5W-4000K-CRI>80-535lm-500mA
MOD.0030F.50K	LED modification:4,5W-5000K-CRI>80-560lm-500mA
MOD.0031A.27K	LED modification:6W-2700K-CRI>90-725lm-350mA
MOD.0031A.30K	LED modification:6W-3000K-CRI>90-760lm-350mA
MOD.0031A.40K	LED modification:6W-4000K-CRI>80-805lm-350mA
MOD.0031A.50K	LED modification:6W-5000K-CRI>80-845lm-350mA
MOD.0031B.27K	LED modification:9,5W-2700K-CRI>90-995lm-500mA
MOD.0031B.30K	LED modification:9,5W-3000K-CRI>90-1035lm-500mA
MOD.0031B.40K	LED modification:9,5W-4000K-CRI>80-1095lm-500mA
MOD.0031B.50K	LED modification:9,5W-5000K-CRI>80-1150lm-500mA
MOD.0038.27K	LED modification:11W-2700K-CRI>90-1350lm-350mA
MOD.0038.30K	LED modification:11W-3000K-CRI>90-1400lm-350mA
MOD.0038.40K	LED modification:11W-4000K-CRI>80-1480lm-350mA
MOD.0038.50K	LED modification:11W-5000K-CRI>80-1540lm-350mA
MOD.0039.27K	LED modification:17W-2700K-CRI>90-2090lm-500mA
MOD.0039.30K	LED modification:17W-3000K-CRI>90-2180lm-500mA
MOD.0039.40K	LED modification:17W-4000K-CRI>80-2310lm-500mA
MOD.0039.50K	LED modification:17W-5000K-CRI>70-2415lm-500mA
MOD.0039B.27K	LED modification:24W-2700K-CRI>90-2900lm-700mA
MOD.0039B.30K	LED modification:24W-3000K-CRI>90-3050lm-700mA
MOD.0039B.40K	LED modification:24W-4000K-CRI>80-3200lm-700mA
MOD.0039B.50K	LED modification:24W-5000K-CRI>70-3350lm-700mA

LED 220-240V AC

MOD.0046.27K	LED modification:4W-2700K-CRI>90-315lm-230V
MOD.0046.30K	LED modification:4W-3000K-CRI>90-320lm-230V
MOD.0046.40K	LED modification:4W-4000K-CRI>90-340lm-230V
MOD.0047.27K	LED modification:6W-2700K-CRI>90-460lm-230V
MOD.0047.30K	LED modification:6W-3000K-CRI>90-470lm-230V
MOD.0047.40K	LED modification:6W-4000K-CRI>90-480lm-230V
MOD.0048.27K	LED modification:10W-2700K-CRI>90-930lm-230V
MOD.0048.30K	LED modification:10W-3000K-CRI>90-950lm-230V
MOD.0048.40K	LED modification:10W-4000K-CRI>90-1020lm-230V

Led Power Supply

Protections:
- Overload
- Overvoltage
- Overheating
- Short circuit

Input: 220-240V 200-300mA

LED Power Supply AC/CC 200 to 300mA Constant Current 4W - 12W

LED DRIVER	200mA 4-8W	250mA 8-10W	300mA 9,6-12W		
CODE	**DC0200.008.20D0**	**DC0250.010.20D0**	**DC0300.012.20D0**		
	CE 0,06 IP20	CE 0,10 IP20	CE 0,10 IP20		
Dimensions: L x W x H (mm)	88 x 39 x 23	89 x 39 x 23	89 x 39 x 23		
Input	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz		
Output	20-40V DC	32-40V DC	32-40V DC		
Power factor λ	0,50	> 0,55	> 0,55		
Efficiency % (full load)					
Operating temperature (Ta)	- 20° ... + 50° C	- 20° ... + 50° C	- 20° ... + 50° C		
Max. Case temperature (Tc)	75°C	75°C	75°C		
Dim	no	no	no		

* D1 = Dimmable with leading-edge and trailing edge TRIAC dimmers

Model Code : XX XXXX . XXX . XX XX

DC = Driver AC / CC
DD = Driver AC / DC
DL = Driver DC / CC
DP = Driver AC / CC multi mA

Output current or voltage

Output maximun wattage

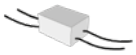
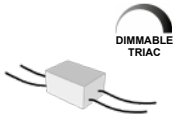
IP degree

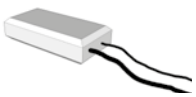
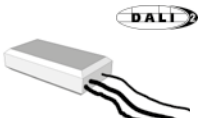
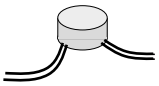
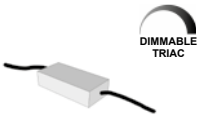
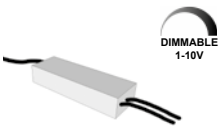
D0 = On / Off
D1 = Dimmable Triac
D2 = Dimmable 0-10V or 1-10V
D3 = Dimmable Dali 2
D8 = Dimmable PWM

Input: 110-240V

LED Power Supply AC/CC 350mA Constant Current

350mA
1W - 70W

					
LED DRIVER	350mA 1-3,5W	350mA 3-6W	350mA 5-10W	350mA 6-12W	
CODE	**DC0350.003.65D0**	**DC0350.006.65D0**	**DC0350.010.65D1**	**DC0350.012.65D0**	
	CE 0,05 IP65	CE 0,04 IP65	CE 0,06 IP65	CE 0,10 IP65	
Dimensions: L x W x H (mm)	37 x 23 x 21	53 (38) x 27 x 21	58 (48) x 36 x 20	50 x 48 x 24	
Input	110-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	
Output	2,5-10 VDC	9-17 VDC	15-29 VDC	17-34 VDC	
Power factor λ	0,50	0,60	0,90	0,90	
Efficiency % (full load)	> 68%	> 68%	> 78%	> 84%	
Operating temperature (Ta)	- 20° ... + 50° C	- 20° ... + 60° C	- 20° ... + 60° C	- 20° ... + 50° C	
Max. Case temperature (Tc)	75°C	85°C	85°C	80°C	
Dim	no	no	Triac (100% ... 1%)*	no	

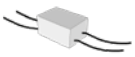
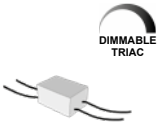
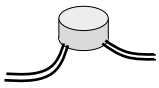
					
LED DRIVER	350mA 1-17W	350mA 1-17W	350mA 15-25W	350mA 25-37W	350mA 35-70W
CODE	**DC0350.017.68D0**	**DC0350.017.68D3**	**DC0350.025.65D0**	**DC0350.037.42D1**	**DC0350.070.67D2**
	CE 0,25 IP68	CE 0,25 IP68	CE 0,20 IP65	CE 0,24 IP42	CE 0,73 IP67
Dimensions: L x W x H (mm)	107 x 54 x 26	107 x 54 x 26	Ø 65 x 28	128 x 60 x 32	171 x 62 x 37
Input	220-240V 50-60Hz	220-240V 50-60Hz	110-240V 50-60Hz	220-240V 50-60Hz	110-240V 50-60Hz
Output	2-49 VDC	2-49 VDC	43-72V DC	70-108V DC	100-200V DC
Power factor λ	0,96	0,95	> 0,95	> 0,90	0,96
Efficiency % (full load)	> 87%	> 88%	> 86%	> 87%	> 91%
Operating temperature (Ta)	- 40° ... + 60° C	- 40° ... + 60° C	- 20° ... + 50° C	- 30° ... + 50° C	- 40° ... + 80° C
Max. Case temperature (Tc)	90°C	80°C	85°C	75°C	80°C
Dim	no	DALI 2 (100% ... 1%)	no	Triac (100% ... 1%)*	1-10V (100% ... 10%)

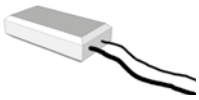
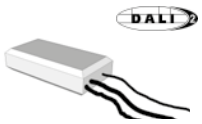
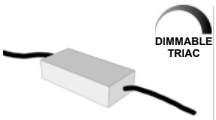
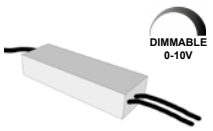
Led Power Supply

Protections:
- Overload
- Overvoltage
- Overheating
- Short circuit

Input: 110-240V
LED Power Supply AC/CC 500mA Constant Current

500mA
1W - 75W

					
LED DRIVER	500mA 5-10W	500mA 5-10W	500mA 11-18W		
CODE	**DC0500.010.65D0**	**DC0500.010.65D1**	**DC0500.018.65D0**		
	CE 0,06 IP65	CE 0,06 IP65	CE 0,20 IP65		
Dimensions: L x W x H (mm)	58 (48) x 36 x 20	58 (48) x 36 x 20	Ø 55 x 26		
Input	220-240V 50-60Hz	220-240V 50-60Hz	110-240V 50-60Hz		
Output	10-20V DC	10-20V DC	22-36V DC		
Power factor λ	0,90	0,90	> 0,94		
Efficiency % (full load)	> 76%	> 76%	> 86%		
Operating temperature (Ta)	- 20° ... + 60° C	- 20° ... + 60° C	- 20° ... + 50° C		
Max. Case temperature (Tc)	85°C	85°C	80°C		
Dim	no	Triac (100% ... 1%)*	no		

					
LED DRIVER	500mA 1-24W	500mA 1-24W	500mA 35-54W	500mA 38-75W	
CODE	**DC0500.024.68D0**	**DC0500.024.68D3**	**DC0500.054.42D1**	**DC0500.075.67D2**	
	CE 0,25 IP68	CE 0,25 IP68	CE 0,35 IP42	CE 0,80 IP67	
Dimensions: L x W x H (mm)	107 x 54 x 26	107 x 54 x 26	128 x 60 x 32	180 x 63 x 36	
Input	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	
Output	2-49V DC	2-49 VDC	70-108V DC	75-150V DC	
Power factor λ	0,97	0,95	0,90	0,95	
Efficiency % (full load)	> 88%	> 88%	> 87%	> 91%	
Operating temperature (Ta)	- 40° ... + 60° C	- 40° ... + 60° C	- 30° ... + 45° C	- 40° ... + 85° C	
Max. Case temperature (Tc)	90°C	80°C	75°C	85°C	
Dim	no	DALI 2 (100% ... 1%)	Triac (100% ... 1%)*	0-10V (100% ... 0%)	

* D1 = Dimmable with leading-edge and trailing edge TRIAC dimmers

Model Code : XX XXXX . XXX . XX XX

DC = Driver AC / CC
DD = Driver AC / DC
DL = Driver DC / CC
DP = Driver AC / CC multi mA

Output current or voltage

Output maximun wattage

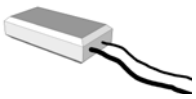
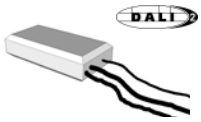
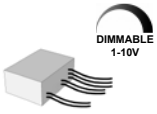
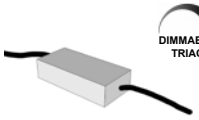
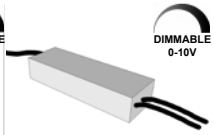
IP degree

D0 = On / Off
D1 = Dimmable Triac
D2 = Dimmable 0-10V or 1-10V
D3 = Dimmable Dali 2
D8 = Dimmable PWM

Input: 220-240V

LED Power Supply AC/CC 700mA Constant Current

700mA
1W - 75W

					
LED DRIVER	700mA 1-30W	700mA 1-30W	700mA 21-37W	700mA 35-60W	700mA 38-75W
CODE	**DC0700.030.68D0**	**DC0700.030.68D3**	**DC0700.037.66D2**	**DC0700.060.42D1**	**DC0700.075.67D2**
	CE 0,25 IP68	CE 0,25 IP68	CE 0,30 IP66	CE 0,35 IP42	CE 0,80 IP67
Dimensions: L x W x H (mm)	107 x 54 x 26	107 x 54 x 26	94 x 70 x 33	128 x 60 x 32	180 x 63 x 36
Input	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz
Output	2-49 VDC	2-49 VDC	30-54V DC	50-86V DC	53-107V DC
Power factor λ	0,97	0,95	0,90	0,90	0,95
Efficiency % (full load)	> 88%	> 88%	> 86%	> 86%	> 91%
Operating temperature (Ta)	- 40° ... + 55° C	- 40° ... + 60° C	- 40° ... + 50° C	- 30° ... + 45° C	- 40° ... + 85° C
Max. Case temperature (Tc)	90°C	80°C	75°C	75°C	85°C
Dim	no	DALI 2 (100% ... 1%)	1-10V (100% ... 10%)	Triac (100% ... 1%)*	0-10V (100% ... 0%)

Input: 220-240V

LED Power Supply AC/CC Constant Current with DALI dimming & selectable output current

300-1050mA
1W - 60W

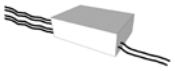
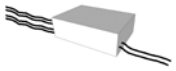
LED DRIVER	selection with DIP switch 350mA 3-18W 500mA 3-25W 700mA 5-25W(default)	selection with DIP switch 350mA 1-35W 500mA 1-40W 700mA 1-40W(default)	selection with DIP switch 500mA 1-45W 700mA 1-60W(default)	Selectable by NFC setting 300mA 2,7-16,2W 350mA 3,15-18,9W 500mA 4,5-25W 700mA 6,3-25W(default)	Selectable by NFC setting 600mA 5,4-32,4W 700mA 6,3-37,8W 1050mA 9,5-40W(default)
CODE	**DP0700.025.20D3**	**DP0700.040.20D3**	**DP0700.060.20D3**	**DP0700.025.67D3**	**DP1050.040.67D3**
	CE 0,17 IP20	CE 0,24 IP20	CE 0,24 IP20	CE 0,24 IP67	CE 0,24 IP67
Dimensions: L x W x H (mm)	105 x 68 x 23	124 x 82 x 23	124 x 82 x 23	114 x 44 x 32	114 x 44 x 32
Input AC	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz
Output CC	350mA (6-54V DC) 500mA (6-50V DC) 700mA (6-36V DC)	350mA (2-100V DC) 500mA (2-80V DC) 700mA (2-57V DC)	500mA (2-90V DC) 700mA (2-86V DC)	350mA (9-54V DC) 500mA (9-50V DC) 700mA (9-36V DC)	600mA (9-54V DC) 700mA (9-54V DC) 1050mA (9-38V DC)
Power factor λ	0,94	0,97	0,97	0,97	0,97
Efficiency % (full load)	> 86%	> 91%	> 92%	> 88%	> 88%
Operating temperature (Ta)	- 30° ... + 85° C	- 30° ... + 90° C	- 30° ... + 90° C	- 25° ... + 90° C	- 25° ... + 90° C
Max. Case temperature (Tc)	85°C	90°C	90°C	90°C	90°C
Dim	DALI 2 (100% ..0%)	DALI 2 (100% ..0%)	DALI 2 (100% ..0%)	DALI 2 (100% ..0%)	DALI 2 (100% ..0%)

Led Power Supply

Protections:
- Overload
- Overvoltage
- Overheating
- Short circuit

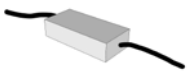
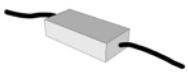
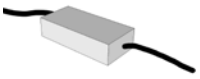
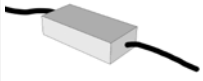
Input: 12-36V DC
LED Power Supply DC/CC Constant Current

350-700mA
1W - 44W

					
LED DRIVER	350mA 1-11W Input 12V DC: 1- 4W 24V DC: 1- 8W 36V DC: 1- 11W	500mA 1-16W Input 12V DC: 1- 5W 24V DC: 1- 11W 36V DC: 1- 16W	350mA 8-44W Input 24V DC: 8- 44W	500mA 11-44W Input 24V DC: 11- 44W	700mA 15-44W Input 24V DC: 15- 44W
CODE	**DL0350.011.67D8**	**DL0500.016.67D8**	**DL0350.044.44D8**	**DL0500.044.44D8**	**DL0700.044.44D8**
	CE 0,01 IP67	CE 0,01 IP67	CE 0,14 IP44	CE 0,14 IP44	CE 0,14 IP44
Dimensions: L x W x H (mm)	23 x 10 x 9	23 x 10 x 9	75 x 53 x 23	75 x 53 x 23	75 x 53 x 23
Input DC	12-36V DC	12-36V DC	24V DC	24V DC	24V DC
Output CC	350mA (2-32V DC)	500mA (2-32V DC)	350mA (21-126V DC)	500mA (21-86V DC)	700mA (21-64V DC)
Power factor λ					
Efficiency % (full load)	> 95%	> 95%	> 93%	> 86%	> 91%
Operating temperature (Ta)	- 40° ... + 85° C	- 40° ... + 85° C	- 40° ... + 70° C	- 40° ... + 70° C	- 40° ... + 70° C
Max. Case temperature (Tc)	85°C	85°C	70°C	70°C	70°C
Dim	PWM (100% ... 0%)	PWM (100% ... 0%)	PWM (100% ... 0%)	PWM (100% ... 0%)	PWM (100% ... 0%)

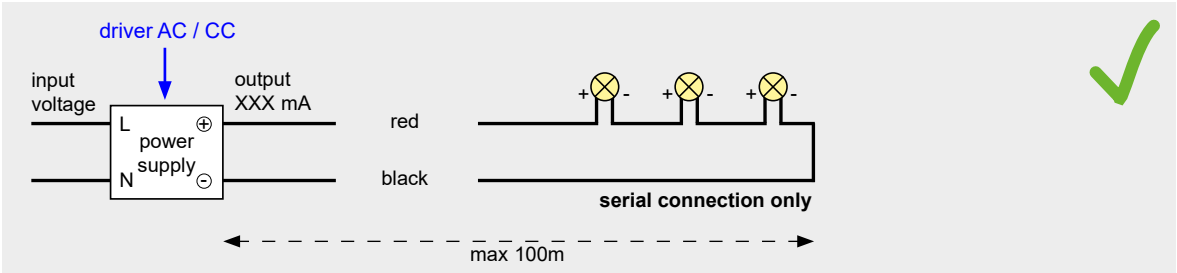
Input: 110-240V
LED Power Supply AC/DC 24V Constant Voltage

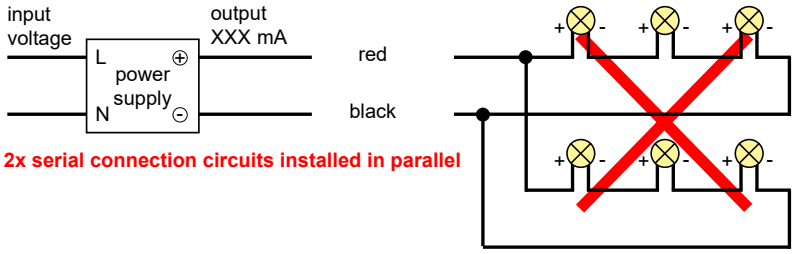
24V DC
1W - 150W

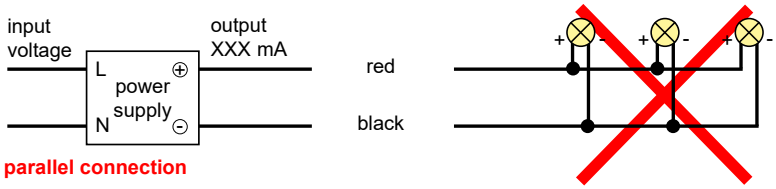
				
LED DRIVER	24V DC 1-24W	24V DC 1-60W	24V DC 1-100W	24V DC 1-150W
CODE	**DD24.024.67D0**	**DD24.060.67D0**	**DD24.100.67D0**	**DD24.150.67D0**
	CE 0,34 IP67	CE 0,40 IP67	CE 0,63 IP67	CE 0,74 IP67
Dimensions: L x W x H (mm)	118 x 35 x 26	163 x 43 x 32	190 x 52 x 37	191 x 63 x 38
Input AC	220-240V 50-60Hz	110-240V 50-60Hz	110-240V 50-60Hz	220-240V 50-60Hz
Output DC	24V DC / 0-1A	24V DC / 0-2,5A	24V DC / 0-4,2A	24V DC / 0-6,3A
Power factor λ	0,95			
Efficiency % (full load)	> 86%	> 86%	> 88%	> 89%
Operating temperature (Ta)	- 20° ... + 75° C	- 30° ... + 70° C	- 25° ... + 70° C	- 25° ... + 65° C
Max. Case temperature (Tc)	70°C	70°C	70°C	70°C
Dim	no	no	no	no

* D1 = Dimmable with leading-edge and trailing edge TRIAC dimmers

Installation with a Constant Current power supply AC/CC



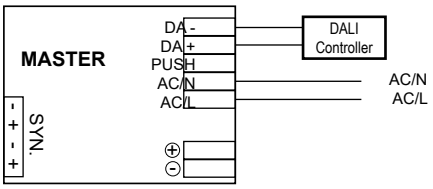




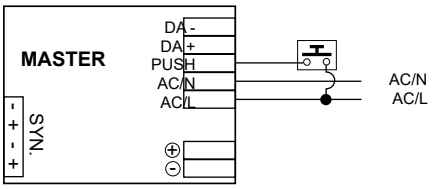
Installation with a DALI interface & push dimming function

10 drivers (max.) synchronization (1 master + 9 slaves)
Maximum length of the cable from first driver to last driver is 15 meter.

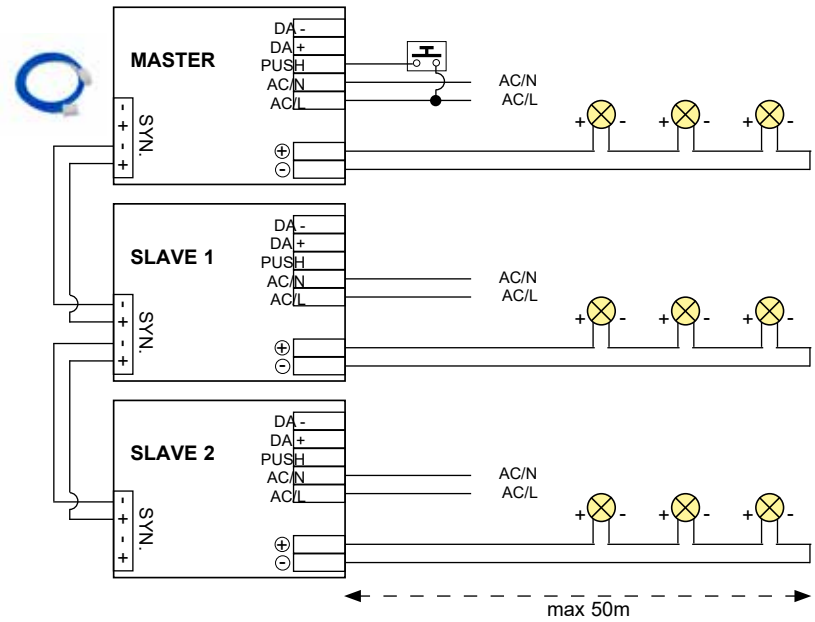
DALI interface



PUSH dim



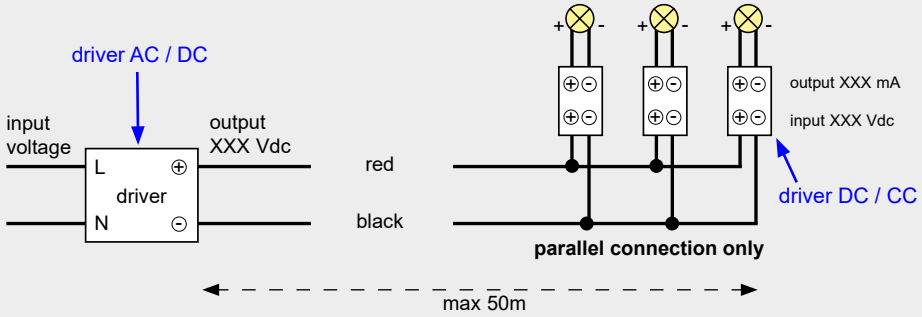
Warning: The push button can only be connected between the PUSH terminal and AC/L.
It would cause short circuit if it is connected to AC/N.



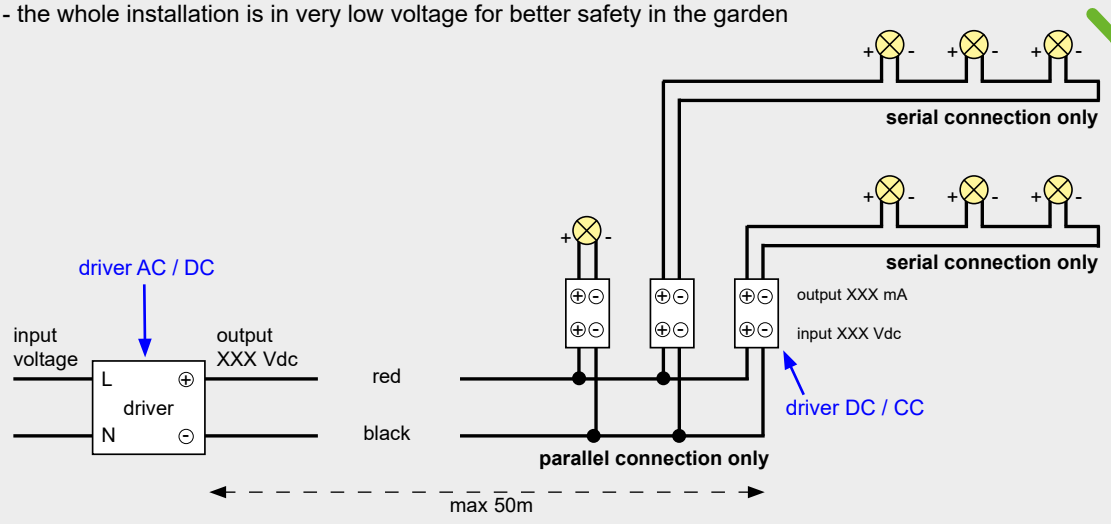
Led Power Supply
Information

Installation with a Constant Voltage power supply DC/CC

Advantages:
- a very small driver DC/CC per luminaire (with DL0350.011.67D8)
- if one luminaire is defect, only this is off
- the whole installation is in very low voltage for better safety in the garden



Advantages:
- the whole installation is in very low voltage for better safety in the garden



Max. distance driver LED

Driver constant current (350mA or 500mA)				
Distance	5 m	10 m	20 m	50m
Cable section	0,25 mm²	0,25 mm²	0,5 mm²	1,0 mm²

Driver constant current (700mA)				
Distance	5 m	10 m	20 m	50m
Cable section	0,5 mm²	0,5 mm²	1,0 mm²	2,5 mm²

Driver constant voltage (max. 70W - 24VDC)				
Distance	5 m	10 m	20 m	30m
Cable section	0,75 mm²	1 mm²	1,5 mm²	2,5 mm²

Driver constant voltage (max. 150W - 24VDC)				
Distance	5 m	10 m	20 m	30m
Cable section	1,5 mm²	2,5 mm²	4,0 mm²	4,0 mm²

INFORMATION

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IP DEGREE OF PROTECTION

FIRST DIGIT CODE:
Protection against penetration by solid bodies
Beschermd tegen voorwerpen
Protection contre les corps solides
Schutz vor festen Stoffen
IP 1ο ΨΗΦΙΟ (ΣΤΕΡΕΑ)

0
No protection
Niet beschermd
Non Protégé
Ohne Schutz
Καμία προστασία

1
Protected against solid matters > 50mm
Beschermd tegen voorwerpen > 50mm
Protégé contre les corps solides > 50mm
Schutz vor festen Stoffen > 50mm
Προστασία από στερεά σώματα μεγαλύτερα από 50mm

2
Protected against solid matters > 12mm
Beschermd tegen voorwerpen > 12mm
Protégé contre les corps solides > 12mm
Schutz vor festen Stoffen > 12mm
Προστασία από στερεά σώματα μεγαλύτερα από 12mm

3
Protected against solid matters > 2,5mm
Beschermd tegen voorwerpen > 2,5mm
Protégé contre les corps solides > 2,5mm
Schutz vor festen Stoffen > 2,5mm
Προστασία από στερεά σώματα μεγαλύτερα από 2,5mm

4
Protected against solid matters > 1mm
Beschermd tegen voorwerpen > 1mm
Protégé contre les corps solides > 1mm
Schutz vor festen Stoffen > 1mm
Προστασία από στερεά σώματα μεγαλύτερα από 1mm

5
Dust Protected
Beschermd tegen stof
Protégé contre la poussière
Staubgeschützt
Προστασία από τη σκόνη

6
Fully tight
Volledig stofdicht
Etanche aux poussières
Staubdicht
Απόλυτη προστασία από τη σκόνη

SECOND DIGIT CODE:
Protection against penetration by water
Beschermd tegen vocht
Protection contre l'humidité
Schutz vor Feuchtigkeit
IP 2ο ΨΗΦΙΟ (ΝΕΡΟ)

0
No protection
Niet beschermd
Non Protégé
Ohne Schutz
Καμία προστασία

1
Protected against dripping water
Beschermd tegen verticaal vallende druppels
Protégé contre chute de gouttes d'eau verticale
Schutz vor senkrecht fallendem Tropfwasser
Προστασία από κάθετη πτώση σταγόνων νερού

2
Protected against dripping water when tilted up to 15°
Beschermd tegen druppels onder hoek van max. 15°
Protégé contre chute d'eau oblique max. 15°
Schutz vor schräg fallendem Tropfwasser bis 15° Neigung
Προστασία από πτώση σταγόνων νερού υπό γωνία ως 15ο από τον κατακόρυφο άξονα

3
Protected against spraying water when tilted up to 60°
Beschermd tegen sproeiwater onder hoek van max. 60°
Protégé contre la pluie oblique max. 60°
Schutz vor schräg fallendem Sprühwasser bis 60° Neigung
Προστασία από πτώση νερού βροχής υπό γωνία έως 60ο από τον κατακόρυφο άξονα

4
Protected against splashing water
Beschermd tegen spatwater uit alle richtingen
Protégé contre les projections d'eau de toutes directions
Schutz vor Spritzwasser
Προστασία από πτώση νερού από όλες τις κατευθύνσεις

5
Protected against water jets
Beschermd tegen waterstralen uit alle richtingen
Protégé contre les jets d'eau de toutes directions
Schutz vor Strahlwasser
Προστασία από ρίψη νερού υπό πίεση από όλες τις κατευθύνσεις

6
Protected against heavy seas
Beschermd tegen golven, zware zeeën
Protection contre les jets d'eau forts
Schutz vor starkem Strahlwasser
Προστασία από ρίψη νερού υπό πίεση ισοδύναμη με θαλάσσια κύματα

7
Protected against the effects of immersion
Beschermd tegen beperkte onderdompeling
Protection contre courtes immersions
Schutz vor zeitweiligem Untertauchen
Προστασία από επιρροές βύθισης

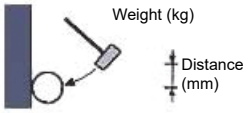
8
Protected against submersion
Beschermd tegen permanente onderdompeling
Protection contre l'immersion permanente
Schutz vor dauerndem Untertauchen
Προστασία από επιρροές βύθισης διάρκειας, σε καθορισμένες συνθήκες

CONFORMING STANDARD OPERATING UNDERWATER
APPROVED UNDER WATER
MAXIMUM
30 V-DC
with constant current

MAXIMUM 12VAC ,18VDC OR 30VDC WITH CONSTANT CURRENT.

- Underwater lighting fixtures can be powered only at very low safety voltage.
- De verlichtingstoestellen gebruikt in een zwembad of waterpartij mogen enkel met een zeer lage veiligheid spanning gevoed worden.
- Les luminaires à l'intérieur d'un bassin ne peuvent être alimentés qu'en très basse tension de sécurité.
- Unterwasserleuchten können nur mit sehr niedriger Sicherheitsspannung betrieben werden.
- Τα υποβρύχια φωτιστικά μπορούν να τροφοδοτούνται μόνο με πολύ χαμηλή τάση ασφαλείας.

IK DEGREE OF PROTECTION



Protection against impact of mechanical origin
Bescherming tegen de invloed van mechanische oorsprong
Protection contre les chocs d'origine mécanique
Schutz vor Stromschlägen mechanischen Ursprungs
Ανθεκτικότητα στην κρούση

IK	00	01	02	03	04	05	06	07	08	09	10
Joule (J)	**0**	**0,15**	**0,20**	**0,37**	**0,50**	**0,70**	**1**	**2**	**5**	**10**	**20**
Weight (kg)	0	0,15	0,15	0,15	0,25	0,15	0,50	0,50	1,70	5,00	5,00
Distance (mm)	0	100	133	233	333	485	200	400	300	200	400

CLASS I - CLASSE I - SCHUTZKLASSE I

- Light fixture whose safety is guaranteed by the main insulation and an additional protective conductor (earth contact) connected with the metal frame of the lamp. Earth contact is obligatory.
- Deze armaturen zijn uitgerust met aansluitmogelijkheid voor aarding, waarmee alle aanraakbare metalen delen die bij een isolatiestoring direct onder spanning kunnen komen, moeten verbonden zijn. Aansluiting aan de aardleiding is verplicht.
- Les luminaires sont équipés d'un moyen de raccordement pour la mise à la terre, qui interconnecte toutes les parties métalliques exposées susceptibles d'être mises sous tension suite à un défaut de l'isolation. Le raccordement de mise à la terre est obligatoire. En cas de défectuosité, le courant est coupé par fusible.
- Die Leuchten sind mit Verkabelungen für den Erdanschluß ausgestattet, die alle ausgelegten metallischen Bestandteile miteinander vernetzen, welche im Falle einer Isolationspanne mit Strom versorgt werden können. Die Erdanschlußverkabelungen sind obligatorisch. Im Falle eines Defektes, wird der Strom durch eine Sicherung abgestellt.
- Ένα φωτιστικό, του οποίου η ασφάλεια είναι εγγυημένη από έναν πρόσθετο προστατευτικό αγωγό (γείωση), που συνδέεται με το μεταλλικό πλαίσιο του φωτιστικού.

CLASS II - CLASSE II - SCHUTZKLASSE II

- Light fixture whose safety is guaranteed by the main insulation and additional safety devices as double or reinforced insulation of conductive parts. Earth contact is not necessary.
- Deze armaturen hebben een beschermende isolatie zonder metaaldelen die genaakbaar zijn. Dubbele isolatie zonder aarding.
- Les luminaires possèdent une isolation renforcée sans partie métallique accessible. Double isolation sans mise à la terre.
- Die Leuchten besitzen eine verstärkte Isolierung ohne metallische Bestandteile. Doppelte Isolierung ohne Erdanschluß.
- Ένα φωτιστικό, του οποίου η ασφάλεια διασφαλίζεται από την κύρια μόνωση και πρόσθετες διατάξεις ασφαλείας ως διπλή ή ενισχυμένη μόνωση αγώγιμων μερών. Η σύνδεση με τη γείωση δεν είναι απαραίτητη.

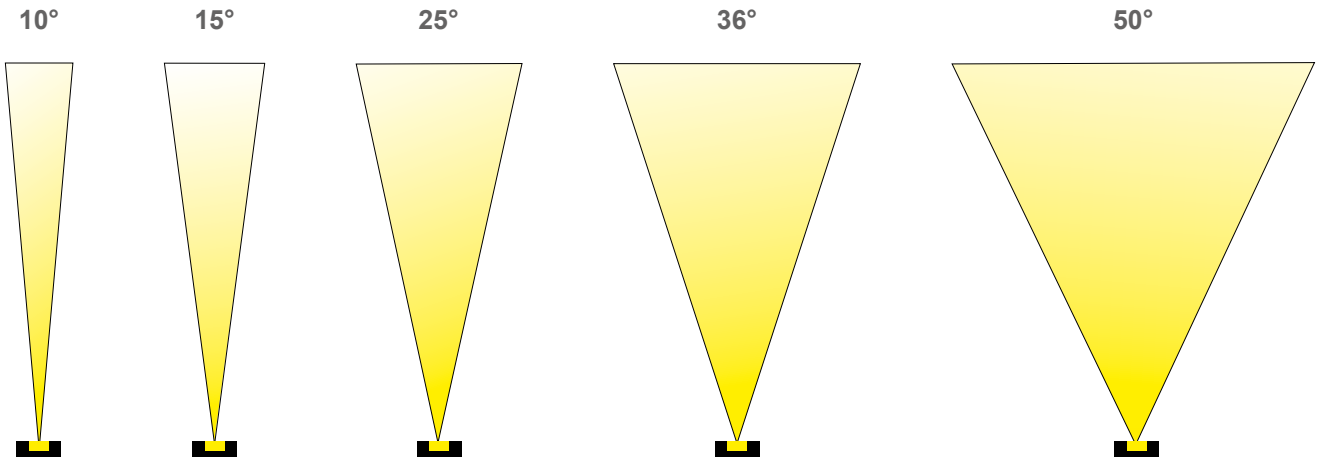
CLASS III - CLASSE III - SCHUTZKLASSE III

- Light fittings whose safety is guaranteed by the very low safety supply voltage. Authorized maximal voltage: 50 volts
- Deze armaturen waarin de bescherming tegen elektrische schokken beschermt word door zijn lage spanning (SELV) (Maximale spanning 50volt.
- Luminaire dont la protection contre les chocs électriques repose sur son alimentation sous très basse tension de sécurité (TBTS) (tension maximale autorisée : 50 Volts).
- Leuchten deren Schutz vor Stromschlägen auf eine sehr niedrige, abgesicherte Stromspannung beruht. (Max. erlaubte Spannung: 50 Volts)
- Ένα φωτιστικό, του οποίου η ασφάλεια διασφαλίζεται από την πολύ χαμηλή τάση τροφοδοσίας. Επιτρεπόμενη μέγιστη τάση: 50 volt.

CE standard - CE norm - norme CE

- The mark CE represents an implicit assurance of quality and affixed under the sole responsability of the manufacturer. The mark CE must be affixed on the product, or in alternative, on the packing or on directions.
- De CE markering waarborgt een stilzwijgende kwaliteitsgarantie en wordt aangebracht onder uitdrukkelijke verantwoordelijkheid van de fabrikant. De CE markering wordt aangebracht op het toestel of als alternatief op de verpakking of de gebruiksaanwijzing.
- La marque CE représente une implicite assurance de qualité et est apposée sous la responsabilité exclusive du fabriquant. La marque CE doit être apposée sur l'appareil, ou en alternative, sur l'emballage ou sur les modes d'emploi.
- Das CE-Zeichen verkörpert eine klare Sicherung der Qualität und wird auf ausschliessliche Verantwortung des Herstellers angebracht. Das CE-Zeichen muss auf dem Produkt, auf der Werpackung oder auf der Gebrauchsanweisung angebracht werden.
- Η σήμανση CE αποτελεί μια έμμεση διασφάλιση της ποιότητας και τίθεται υπό την αποκλειστική ευθύνη του κατασκευαστή.

BEAM ANGLE



Lichtbundels

Alle lichtbundels in deze catalogus zijn aangegeven in FWHM stralingshoek.
FWHM = Full Width Half Maximum: Het is de afstand tussen twee punten waarvan de intensiteit 50% van de piek bedraagt.
FWTM = Full Width Tenth Maximum: Het is de afstand tussen twee punten waarvan de intensiteit 10% van de piek bedraagt.

Faisceaux lumineux

Tous les faisceaux lumineux de ce catalogue sont indiqués en angle FWHM
FWHM = Full Width Half Maximum: ça représente la distance entre deux points dont l'intensité est de 50 % du pic.
FWTM = Full Width Tenth Maximum: ça représente la distance entre deux points dont l'intensité est de 10 % du pic.

Beam angle

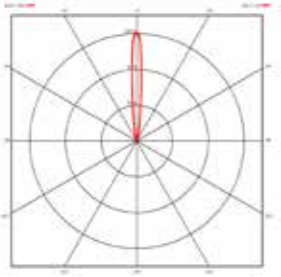
All light beams in this catalog are indicated in FWHM beam angle.
FWHM = Full Width Half Maximum: it represents the distance between two points whose intensity is 50 % of the peak.
FWTM = Full Width Tenth Maximum: it represents the distance between two points whose intensity is 10 % of the peak.

Lichtstrahlen

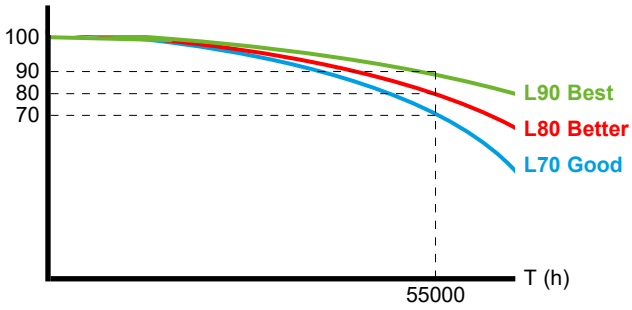
Alle Lichtstrahlen in diesem Katalog sind in FWHM-Abstrahlwinkel angegeben.
FWHM = Full Width Half Maximum: Es stellt den Abstand zwischen zwei Punkten dar, deren Intensität 50 % des Peaks beträgt.
FWTM = Full Width Tenth Maximum: Es stellt den Abstand zwischen zwei Punkten dar, deren Intensität 10 % des Peaks beträgt.

Δέσμες φωτός

Όλες οι δέσμες φωτός σε αυτόν τον κατάλογο προσδιορίζονται στο "FWHM beam angles".
FWHM = Full Width Half Maximum: Είναι η απόσταση μεταξύ δύο σημείων των οποίων η ένταση είναι 50% της κορυφής.
FWTM = Full Width Tenth Maximum: Είναι η απόσταση μεταξύ δύο σημείων των οποίων η ένταση είναι 10% της κορυφής.



LIFESPAN OF LEDS



example

Tc	L70	L70B50	L70B20	L70B10	L80	L80B50	L80B20	L80B10	L90	L90B50	L90B20	L90B10
85C	>55.000 hr	200.000 hr	148.000 hr	137.000 hr	>55.000 hr	123.000 hr	93.000 hr	85.000 hr	>55.000 hr	56.000 hr	44.000 hr	41.000 hr

Levensduur van de leds

Een L80-B10 85.000 hrs LED-classificatie van uur betekent dat na 85.000 bedrijfsuren 90% van de LED's meer dan 80% van hun oorspronkelijke lichtstroom produceert en 10% van de LED's minder dan 80% van hun oorspronkelijke lichtstroom produceert. Maar dat betekent niet dat de levensduur 85.000 uur is, de lamp werkt nog steeds!

Durée de vie des leds

Une classification des leds L80 B10 85000 hrs, signifie, qu'après 85000 heures de fonctionnement, 90 % des LED produiront un flux supérieur à 80 % de leur flux lumineux initial et 10 % des LED produiront un flux inférieur à 80 % de leur flux lumineux initial. Mais ça ne signifie pas que sa durée de vie soit de 85 000 heures, le luminaire fonctionnera encore !

Lifespan of leds

An L80 B10 85000 hrs LED rating means that after 85000 hours of operation, 90% of LEDs will produce a flux greater than 80% of their initial luminous flux and 10% of LEDs will produce a flux less than 80% of their initial luminous flux .
But that doesn't mean that its lifespan is 85,000 hours, the fixture will still work!

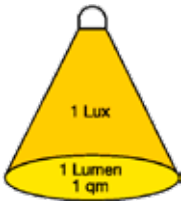
Lebensdauer der LEDs

Eine L80-B10-LED-Bewertung von 85.000 Stunden bedeutet, dass nach 85.000 Betriebsstunden 90 % der LEDs mehr als 80 % ihres ursprünglichen Lichtstroms und 10 % der LEDs weniger als 80 % ihres ursprünglichen Lichtstroms erzeugen.
Das heißt aber nicht, dass die Lebensdauer 85.000 Stunden beträgt, die Lampe funktioniert immer noch!

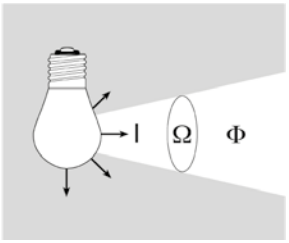
Διάρκεια ζωής των LED

Η βαθμολογία LED L80 B10 85000 hrs ωρών σημαίνει ότι μετά από 85000 ώρες λειτουργίας, το 90% των LED θα παράγει περισσότερο από το 80% της αρχικής φωτεινής ροής και το 10% των LED θα παράγει λιγότερο από το 80% της αρχικής φωτεινής ροής τους. Αλλά αυτό δεν σημαίνει ότι η διάρκεια ζωής του είναι 85.000 ώρες, το φωτιστικό θα εξακολουθεί να λειτουργεί!

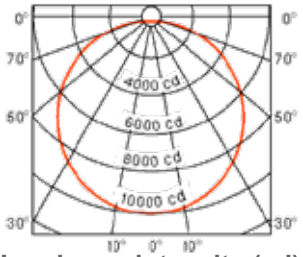
Unit of light measurement



Illuminance (lx)



Luminous flux (lm)



Luminous intensity (cd)

Verlichting

lux : (lx) de lux stemt dus overeen met de verlichtingssterkte die men heeft wanneer iedere vierkante meter van het beschouwde oppervlak een lichtstroom van één lumen ontvangt. Het aantal lux wordt bijgevolg gevonden als het quotiënt van de totaal ontvangen lichtstroom, uitgedrukt in lumen, en de grootte van het verlichte oppervlak uitgedrukt in vierkante meters; derhalve is 1 lux = 1 lumen/m².

L'éclairement

lux : (lx) compte la luminosité ,c'est-à-dire l'écoulement lumineux qui tombe sur une surface concrète.Cette mesure est influencée par la fréquence de la radiation et la distance de la source. Plus grande est la distance de la source lumineuse, plus petite sera la luminosité. L'unité lux représente les lumens par mètre carré de surface (lumen/m2) et est utilisée pour déterminer l'écoulement lumineux indispensable au point éclairé. La différence entre lux et lumen est que le lux prend en compte la surface sur laquelle tombe l'écoulement lumineux.

Illuminance

lux : (lx) the brightness, i.e. the luminous flow which falls on a concrete surface. This measure is influenced by the frequency of the radiation and the distance from the source. The greater the distance from the light source, the smaller the brightness. The lux unit represents brightness per square meter of surface (lumen/m2) and is used to determine the flow of light in critical points. The difference between lux and lumen is that lux takes into account the surface on which the light flow falls.

Beleuchtung

lux : (lx) misst die Leuchtkraft, d.h. den Lichteinfall auf eine bestimmte Fläche. Diese Messung wird von der Strahlenfrequenz und der Distanz zur Lichtquelle beeinflußt. Je weiter der Abstand zur Leuchtquelle, desto kleiner die Leuchtkraft. Die Einheit lux steht für Lumens pro m² Fläche (lumen/m²) und wird zur Bestimmung des notwendigen Lichteinfalls am beleuchteten Punkt genutzt. Der Unterschied zwischen Lux und Lumen ist der, dass Lux die Fläche auf die das Licht einfällt, mitberücksichtigt.

Φωτισμός

lux : lx (λούξ) Σε lux μετριέται η φωτεινότητα (illuminance), δηλαδή η φωτεινή ροή που προσπίπτει σε μία συγκεκριμένη επιφάνεια, μακριά από μία φωτεινή πηγή. Η τιμή αυτή επηρεάζεται από τη συχνότητα της ακτινοβολίας και την απόσταση από την πηγή. Όσο μεγαλύτερη είναι η απόσταση από τη φωτεινή πηγή, τόσο μικρότερη θα είναι η φωτεινότητα. Η μονάδα lux αντιπροσωπεύει τα lumens ανά τετραγωνικό μέτρο επιφάνειας (lumen/m2) και χρησιμοποιείται, για να προσδιορίσει την απαραίτητη φωτεινή ροή στο φωτιζόμενο σημείο. Η διαφορά ανάμεσα σε lux και σε lumen είναι ότι το lux λαμβάνει υπόψη την επιφάνεια, στην οποία προσπίπτει η φωτεινή ροή.

Lichtstroom

Alle uitgestraald vermogen uitgezonden door een lichtbron en waargenomen door het heet lichtstroom.
lumen : (lm) rekening houdend met de stroom van licht (flux), dat een lichtbron produceert.

Flux lumineux

Toute la puissance rayonnée émise par une source lumineuse et perçue par l'œil est appelée flux lumineux .
lumen : (lm) compte l'écoulement lumineux(flux), que produit une source lumineuse.

Luminous flux

All the radiated power emitted by a light source and perceived by the eye is called luminous flux.
lumen : (lm) is the luminous flow (flux), that a light source produces.

Lichtstrom

Die gesamte Strahlkraft die von einer Lichtquelle ausgeht, wird durch das Auge wahrgenommen und Lichtstrom genannt.
lumen : (lm) zählt den Lichtstrom den eine Leuchtquelle produziert.

Φωτεινή ροή

Όλες η εκπεμπόμενη ισχύς που εκπέμπεται από μια πηγή φωτός και αντιληπτή από το μάτι καλείται φωτεινή ροή.
lumen : lm (λούμεν) Η μονάδα μέτρησης της φωτεινής ροής (luminous flux), την οποία παράγει μια φωτεινή πηγή.

De lichtintensiteit

In het algemeen straald een lichtbron haar lichtstroom in verschillende richtingen en met verschillende sterktes. De intensiteit van de zichtbare straling in een bepaalde richting wordt lichtsterkte genoemt.
candela :(cd) Dit is de intensiteit van de lichtbron, die aan een meter van de lichtbron een helderheid van 1 lumen/m2 (dat wil zeggen 1 lux).

Intensité lumineuse

D'une manière générale, une source de lumière émet son flux lumineux dans des directions différentes et à des intensités différentes. L'intensité de rayonnement visible dans une direction particulière est appelée intensité lumineuse.
candela :(cd) Il s'agit de l'intensité de la source lumineuse, qui à distance d'un mètre de la source a une luminosité de 1 lumen/m2 (c'est-à-dire 1 lux).

Luminous intensity

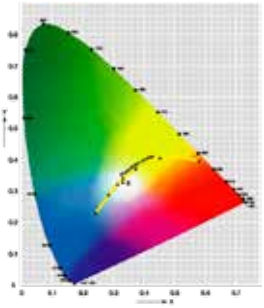
Generally speaking, a light source emits its luminous flux in different directions and at different intensities. The visible radiant intensity in a particular direction is called luminous intensity.
candela :(cd) Hier handelt es sich um die Intensität der Lichtquelle, welche bei einem Abstand von 1m von der Lichtquelle eine Leuchtkraft von 1 Lumen/m² beträgt (also 1 lux).

Lichtintensität

Im allgemeinen strahlt eine Lichtquelle ihren Lichtstrom in verschiedene Richtungen und in unterschiedlicher Intensität aus. Die Intensität der sehbaren Leuchtkraft in eine bestimmte Richtung wird Lichtintensität genannt.
candela :(cd) die Intensität der Lichtquelle, eine Entfernung von einem Meter von der Quelle eine Helligkeit von 1 Lumen/m2 (dh 1 Lux) in Bezug auf die Farbzuordnung des Lichts.

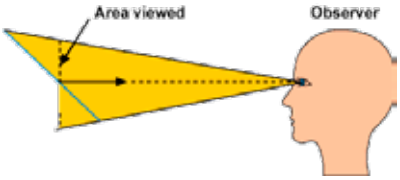
Φωτεινή ένταση

Σε γενικές γραμμές, μια πηγή φωτός εκπέμπει ροή προς διαφορετικές κατευθύνσεις και με διαφορετικές εντάσεις.
Η ποσότητα της φωτεινής ισχύος που εκπέμπεται από μια σημειακή πηγή εντός μιας συγκεκριμένης στερεάς γωνίας ορίζεται ως φωτεινή ένταση.



Chromacity Diagram

Color temperature



Luminance

Kleurtemperatuur

De kleurtemperatuur van een lichtbron word gedefinieerd ten opzichte van een “zwarte straal“ en weergegeven op de “Planck curve“, zoals weergegeven op het diagram. Hoe meer de kleurtemperatuur van deze “ zwarte straal” hoog is, hoe hoger het blauw spectrum is en hoe minder rood aanwezig is.

La température de couleur

La température de couleur d’une source lumineuse est définie par rapport à un «corps radiateur noir» et reportée sur ce qui est connu sous le nom de la «courbe de Planck», comme le montre le diagramme. Plus la température de ce «corps radiateur noir» est élevée, plus grande est la composante bleue du spectre et plus petite la composante rouge.

Color temperature

The color temperature of a light source is defined in relation to a «black body radiator» and plotted on what is known as the «Planckian curve» as shown in the diagram. The higher the temperature of this «black body radiator», the greater the blue component of the spectrum and the smaller the red component.

Farbtemperatur

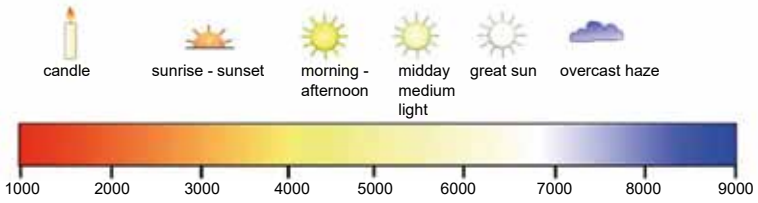
Die Farbtemperatur einer Lichtquelle wird anhand eines „schwarzen Strahlkörpers“ definiert und auf die „Plancksche Kurve“ übertragen, wie in dem Diagramm dargestellt. Je höher die Temperatur des „schwarzen Strahlkörpers“, desto höher ist der Blauanteil des Spektrums und desto kleiner ist der Rotanteil.

Θερμοκρασία χρώματος

Η θερμοκρασία χρώματος της φωτεινής πηγής ορίζεται σε σχέση με ένα «ακτινοβόλο μαύρο σώμα» και αποτυπώνεται.

Στην «καμπύλη Planck», όπως φαίνεται στο διάγραμμα. Όσο υψηλότερη η θερμοκρασία χρώματος, τόσο μεγαλύτερη είναι και η μπλε συνιστώσα του φάσματος Και τόσο μικρότερη η κόκκινη.

Indicative:



warm white	< 3500 K°
neutral white	> 3500 K°
daylight	> 5000 K°

Luminantie

Met de lichtsterkte, dat wil zeggen de stroom van licht dat valt op een welbepaald oppervlak .Deze maatregel wordt beïnvloed door de frequentie van de straling en de afstand tot de bron. Hoe groter de afstand tot de lichtbron, hoe kleiner de helderheid. De eenheid lux vertegenwoordigd het aantal lumen per vierkante meter (lumen/m2) en wordt gebruikt om de lichtstroom te bepalen vereist voor het te belichten punt . Het verschil tussen lux en lumen is dat lux rekening houdt met het te belichten oppervlak.

La luminance

La luminance d'une source de lumière ou une zone éclairée est une mesure de combien l'œil est stimulé et donc de la façon dont une grande impression de luminosité est créée dans le cerveau. Elle est mesurée en candelas par mètre carré.

Luminance

The luminance of a light source or an illuminated area is a measure of how much the eye is stimulated and therefore of how great an impression of brightness is created in the brain. It is measured in candelas per square meter.

Die Leuchtdichte

Die Leuchtdichte einer Lichtquelle oder einer beleuchteten Fläche ist ein Maßstab für die Augenstimulation und somit dafür, wie eine starke Wahrnehmung der Helligkeit im Gehirn entsteht. Sie wird in Candela pro m² gemessen.

Φωτεινότητα

Η φωτεινότητα της φωτεινής πηγής ή μια φωτεινή επιφάνεια είναι ένα μέτρο του πόσο διεγείρεται και, επομένως, το πόσο μεγάλη είναι η εντύπωση, που δημιουργεί στον εγκέφαλο. Μετριέται σε Candela ανά τετραγωνικό μέτρο.

L'efficacité lumineuse

Lichtopbrengst geeft aan dat de efficiëntie waarmee de elektrische stroom wordt omgezet in licht.
Dit wordt gemeten in lumen per Watt (lm / W).

L'efficacité lumineuse

L'efficacité lumineuse indique l'efficacité avec laquelle la puissance électrique consommée est convertie en lumière.
Elle est mesurée en lumens par watt (lm / W).

Luminous efficacy

Luminous efficacy indicates the efficiency with which the electrical power consumed is converted into light.
It is measured in lumens per watt (lm/W).

Leuchtkraft

Die Leuchtkraft gibt die Wirkungskraft an, mit der die verbrauchte Stromleistung in Licht umwandelt wird. Sie wird in Lumens pro Watt (lm/W) gemessen.

Φωτεινή απόδοσηneuse

Φωτεινή απόδοση δείχνει την αποτελεσματικότητα με την οποία η ηλεκτρική ενέργεια που καταναλώνεται μετατρέπεται σε φως.
Μετριέται σε lumens ανά watt (lm / W).

The influence of blue light on insects and humans.

Reducing blue light is recommended to decrease the light's attractive effect on animals, especially insects.

So it is better to choose a color close to 2700K or 3000K rather than 4000K. The light produced will be closer to orange-yellow and LIMITS BY 30% the direct emission of blue light produced by the LED.

BEL LIGHTING standard luminaires usually feature a color temperature of **2700 and/or 3000 Kelvin.**

On request, many standard BEL LIGHTING luminaires are additionally available with a color temperature bertween **2700 and 2200 Kelvin.**

Invloed van blauw licht op insecten en mensen.

Het is aan te raden om blauw licht te verminderen om het aantrekkelijke effect van licht op dieren, met name insecten, te verminderen.

Het is dus beter om een kleur te kiezen die dicht bij 2700K of 3000K ligt dan bij 4000K. Het geproduceerde licht zal dichter bij oranjegeel liggen en BEPERKT MET 30% de directe emissie van blauw licht dat door de LED wordt geproduceerd.

De standaardarmaturen van BEL LIGHTING hebben doorgaans een kleurtemperatuur van **2700 en/of 3000 Kelvin.**

Op aanvraag zijn veel BEL LIGHTING standaardarmaturen ook leverbaar met een kleurtemperatuur tussen **2700 en 2200 Kelvin.**

Influence de la lumière bleue sur les insectes et les humains.

Il est recommandé de réduire la lumière bleue afin de diminuer l'effet attractif de la lumière sur les animaux, en particulier les insectes.

Ainsi il est préférable de choisir une couleur proche de 2700K ou 3000K plutôt que 4000K. La lumière produite sera plus proche du jaune orangé et LIMITE DE 30 % l'émission directe de la lumière bleue produite par la LED.

Les luminaires standards BEL LIGHTING présentent généralement une température de couleur de **2700 et/ou 3000 Kelvin.**

Sur demande, de nombreux luminaires standards BEL LIGHTING sont également disponibles avec une température de couleur de **2700 et 2200 Kelvin.**

Einfluss von blauem Licht auf Insekten und Menschen.

Um die anziehende Wirkung des Lichts auf Tiere, insbesondere Insekten, zu verringern, wird empfohlen, den blauen Lichtanteil zu reduzieren.

Wählen Sie daher besser eine Farbe nahe 2700 K oder 3000 K als 4000 K. Das erzeugte Licht nähert sich dann einem Orange-Gelb an und BEGRENZT die direkte Emission von blauem Licht durch die LED um 30 %.

BEL LIGHTING Standardleuchten haben grundsätzlich eine Farbtemperatur von **2700 bzw. 3000 Kelvin.**

Auf Anfrage sind viele BEL LIGHTING Standardleuchten auch mit einer Farbtemperatur zwischen **2700 und 2200 Kelvin** erhältlich.

Επίδραση του μπλε φωτός σε έντομα και ανθρώπους.

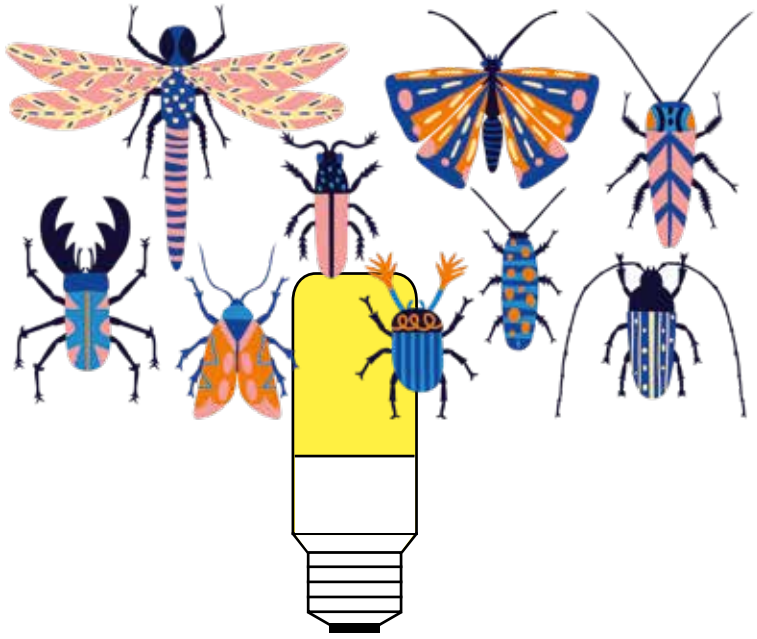
Συνιστάται η μείωση του μπλε φωτός προκειμένου να μειωθεί η ελκυστική επίδραση του φωτός στα ζώα, ιδιαίτερα στα έντομα.

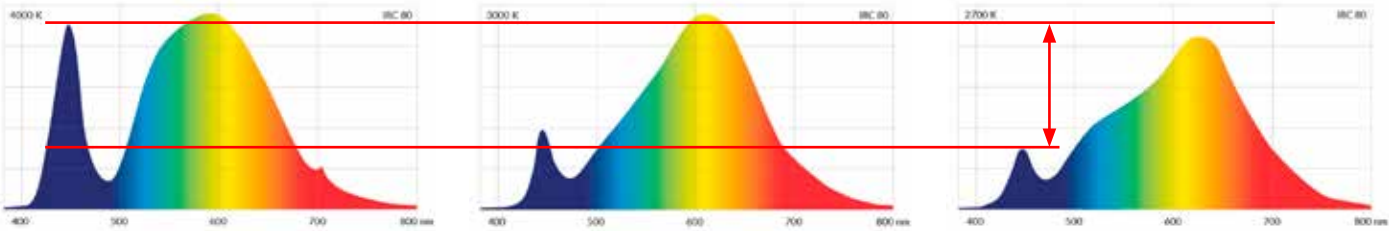
Επομένως, είναι προτιμότερο να επιλέξετε ένα χρώμα κοντά στα 2700K ή 3000K παρά στα 4000K. Το παραγόμενο φως θα είναι πιο κοντά στο πορτοκαλοκίτρινο και θα ΠΕΡΙΟΡΙΣΕΙ ΚΑΤΑ 30% την άμεση εκπομπή του μπλε φωτός που παράγεται από το LED.

Τα τυπικά φωτιστικά BEL LIGHTING έχουν γενικά θερμοκρασία χρώματος **2700 ή/και 3000 Kelvin.**

Κατόπιν παραγγελίας, διατίθενται επίσης πολλά στάνταρ φωτιστικά σώματα BEL LIGHTING με θερμοκρασία χρώματος μεταξύ **2700 και 2200 Kelvin.**

The influence of blue light on insects and humans





Raw materials

Stainless steel 316 and 304L

Stainless steel is a unique material with exceptional resistance that can be easily recycled. Its values and its functional cash value allows it to be used not only for prestigious and major industrial projects, but also for any type of industry (automotive, food, ...). Stainless steel can remain unchanged for decades before having to undergo any treatment. In addition to its extreme resistance to corrosion, it also has thermal and mechanical resistance. Stainless steel is self protected by responding to atmospheric oxygen by creating a resistant protective membrane.The 304L stainless can cause oxidation stains (iconic) that disappear through cleaning. Its nickel content, mainly chromium, increases its resistance to corrosion. Beware stainless steel that has been treated by instruments as lathes, CNC, etc.. is magnetized due to electrical charges that develop during treatment because of friction.

Turned stainless steel 304L products - brushed appearance (color code = 04):
They can be used indoors and outdoors but should not be placed in a polluted atmosphere (industrial zone, port, swimming pool, chemical industry, barn, etc.). The place of your project must be located more than 20km from the coast.

For optimal installation in aggressive environments, we offer:
- High version (code = 04EP) = Stainless steel 304L brushed appearance + Electropolishing
Do not hesitate to ask for a personalized offer

Turned stainless steel 316L products - brushed appearance (color code = 16):
They can be used in aggressive environments (seaside, poolside, etc.), but be careful, this does not exclude the appearance of some rust spots if the luminaire is not maintained regularly (especially in chlorinated environments and iodized, or if the products are exposed to severe weather)

For optimal installation in aggressive environments, we offer:
- High + version (code = 16EP) = Stainless steel 316L brushed appearance + Electropolishing
Do not hesitate to ask for a personalized offer

Electropolishing of stainless steel

Stainless steel (304L or 316L) installed in a marine environment (up to 20km from the sea) is doomed to become dull. Dirt and other microscopic dust loaded with iron will be able to store and mix with the salts of seaside spray and accelerate their oxidation into rust stains.
After electropolishing treatment, dust and spray can no longer be stored. This purely electrochemical treatment removes impurities and iron and reduces the surface by micro-deburring. The surface, smoother and richer in chrome, gets a brilliant shine and an optimal and durable corrosion resistance.

This process is used for the chemical and pharmaceutical industry, for external and architectural applications, boats and yachts, swimming pools, for marine situations and other applications facing to pitting corrosion. Feel free to request a personalized offer, this process is available on most of our lights in stainless steel 304L or 316L.

Copper

Together with gold, copper is the only metal that is naturally colored. The natural aspect of this metal has a red color which gives it a metal look when it shines. It has a thermal and electrical conductivity and has excellent resistance to erosion of water, Marine environment and organic acids. It has no magnetic attributes. Copper is self protected by developing a layer of natural brown-green when exposed to the outside environment.

Brass

This is an alloy of copper and zinc. A harder metal than copper, it has a yellowish natural view. Brass creates a natural layer of brown-black on its surface for self protection from corrosion when exposed to the external environment.

Aluminum (series 6000)

Alloys like Aluminum of silicon and magnesium, are used in principal for our production profiles of different thicknesses of the 6000 series. It has very good decorative conduct, but also an exceptional resistance to atmospheric erosion.

Aluminum treatments

- **Anodization:** is the transformation of the surface of the aluminum and the creation of an artificial layer of oxide. The process is done under controlled conditions and so this oxide layer is very consistent and hard in order to protect the aluminum.
On all our products with the color code «32», we perform a standard anodization equal to **15 microns**.

For optimal installation in aggressive environments, we offer:
double clear anodization (code = 32D) or black anodization (code = 02A) : **20+ microns «sea side»**
This double anodizing is recommended for installation in aggressive environments (seaside, poolside, etc.)

Other colors with **20+ microns «sea side»** anodization are bronze (33), matt gold (34), green (35) and burgundy (36)

Do not hesitate to ask for a personalized offer.

Hue variations on anodized aluminium lighting fixtures
Our anodized aluminium lighting fixtures are carefully crafted to combine both aesthetic appeal and durability. However, it is important to note that slight hue variations can occur, even on the same fixture. These differences are a natural result of the anodizing process, as the material can react differently depending on factors such as the dispersion of light. These variations contribute to the authenticity and unique character of each luminaire. If you have any questions or need further details about the finish of our products, please do not hesitate to contact us.

- **Electrostatic painting:** it is a polyester layer of paint. The prior stage is the coating of the metal with a multi-step full chromate conversion coating to make it even more resistant to erosion.
BEL LIGHTING mainly uses AkzoNobel's ultra-durable polyester paints, designed for outdoor architecture requiring a high level of weather resistance and long-term color stability.

Belgian stone

Of Belgian origin, it has been used for over 300 years in buildings throughout Belgian history. This is part of the story that the designers of Bel-Lighting have introduced into their production.

The blue stone is an irreplaceable material of exceptional quality, just like wood, it increases in value with time: erosion and patina continue to enhance & garnish.

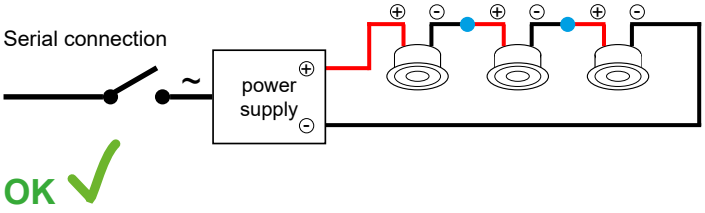
Our range in stone are labeled «real Belgian Hainaut Blue Stone» with the approval and technical certificate delivered by U. B.A.t.c

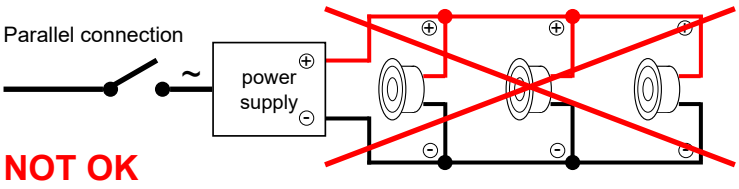
CONNECTING CURRENT CONTROLLED LED LIGHTS: DO'S AND DON'TS

Some LED fixtures are current controlled (eg. 350mA, 500mA and 700mA). These require a continuous current. To turn the 220-240V mains voltage into current, you need a separate power supply, a current controlled power supply.

Must be in series circuit

Current controlled LEDs can never be connected under voltage! Furthermore, they should always be connected in a series circuit. In series circuits there's only one current path. The current enters through the + and leaves the spotlight through the - to continue its way to the next spotlight. The current travels in one direction through all spotlights to until they are all under current.





The external power supply needs to be adjusted to the number of spotlights and their power. With a constant current, the voltage will spread equally over the different spots.

Setup simulation

Let's try to simplify the matter with an example. In this setup, we're going to install three LED spotlights, each with a power of 3,2W. The spotlights require a continuous current of 350mA.

Calculate required voltage LED spotlight

Starting from the formula for electrical power, we can calculate the voltage needed by every separate spotlight. Power equals volts times amps.

Formula for electrical power :

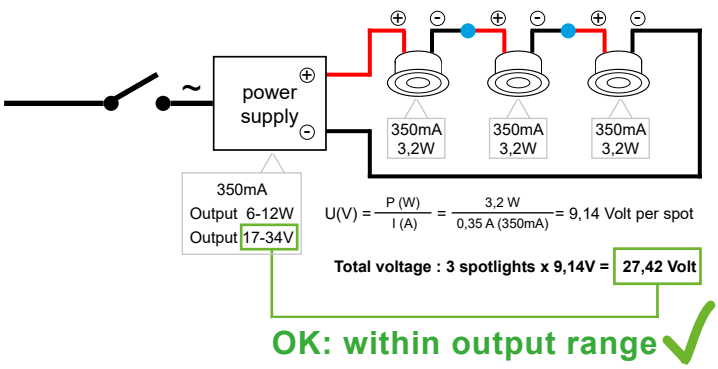
P (Watt) = U (Volt) x I (Ampère)

When we turn the formula around, we can calculate the voltage per spotlight:

$$U(\text{Volt}) = \frac{P(\text{Watt})}{I\ (\text{Ampère})} \rightarrow \frac{3{,}2\ \text{Watt}}{0{,}35\ \text{Ampère (350mA)}} = 9{,}14\ \text{Volt}$$

Every separate LED spotlight needs 9,14V to keep a constant current of 350mA. In total, the three spotlights will need 27,42V (= 3 x 9,14V). The total voltage of the spotlights needs to be within the output reach of the power supply.

So, in this case, a 350mA LED power supply with an output from 17 to 34V, will do just fine. This power supply has a minimal voltage output of 17V and a maximal voltage output of 34V. The total voltage required for the spotlights can't be over or under the output level of the power supply.



Power supply delivers too much voltage for number of spots:

Let's say you want to connect only one 3,2W spotlight, you'll only need 9,14V. this is lower than the 17V minimal voltage of the power supply. This will result in a defect in the spotlight, because the voltage is too high.

The entire circuit of spotlights always needs to be tested at once. When the installer tests the power supply with each spotlight separately, the spotlight, which requires only 9,14V, immediately receives the full 17V minimum voltage. This too much, so the spot will malfunction.

Power supply delivers too little voltage for number of spots:

When you connect 8 of these 3,2W spotlights to the same power supply, you'll need a total current of 73,12V (= 8 x 9,14V). This is higher than the maximal voltage of the power supply. The LED spotlights won't reach their full luminous efficiency. In other words, they will look 'dimmed'.

Minimum and maximum number of spots on power supply:

For this 350mA power supply (17 – 34V) you need to install at least two of these 3,2W spotlights. The maximum capacity of the power supply is three of these spotlights. In case you want to install more of them, you'll need a power supply with a higher output.

Never install current controlled LED spotlights under voltage

During the installation of current controlled LED spotlights, the LED power supply may **never be under voltage!** Neglect this and you'll risk damaging the LEDs. You'll even lose your warranty by doing so. In case of doubt, contact a professional electrician.

When LED power supplies are put under voltage, they start looking for the amount of voltage they need to distribute. When there are no spotlights connected, most power supplies will keep building up voltage up to their maximum.

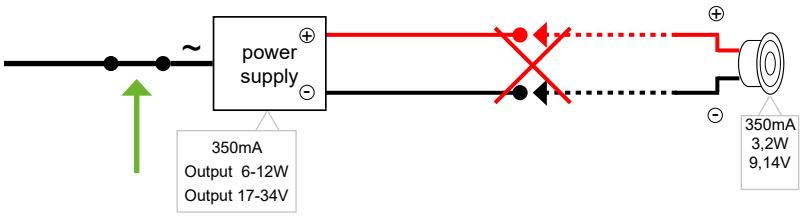
If you connect a LED spotlight to this fully charged power supply, it will immediately receive the maximum output voltage. If this is higher than the maximum voltage of the LED spotlight, the LED will get damaged. It only takes a split second to make this happen.

So, it's extremely important to switch off the voltage on your power supply while installing your LED spotlights.

Wrong installation :

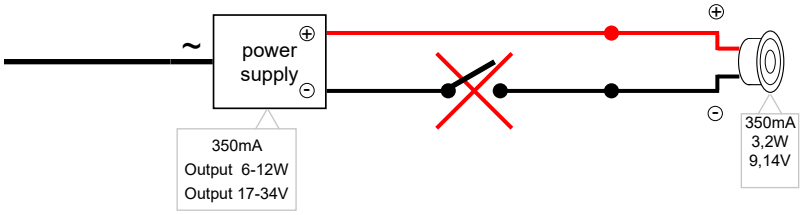
Suppose we put a 350mA (17-34V) power supply under voltage. Then, we connect a 3,2W LED spotlight. The spotlight will immediately get the full 34V output. The maximum voltage for this 3,2W spotlight is only 9,14V (= 3,2W / 350mA), so the LED will get damaged.

You need to connect all your LEDs in advance, before putting your power supply under voltage. This way the power supply can build up to the required voltage.



The spotlight will immediately get the full 34V output and will get damaged.

The power supply can only be switched on the primary side i.e. before the 230V mains voltage comes in. Otherwise the LED will get damaged, just like in the situation above.



The spotlight will immediately get the full 34V output and will get damaged.

Secured LED power supplies:

Some power supplies are secured against the above phenomenon. When this kind of power supply is put under voltage and no spotlights are connected, they won't give off their maximum voltage. Instead, they won't distribute any voltage at all.

The power supply will only start distributing voltage when the spotlights are connected and the power supply is restarted.

RECOMMENDATIONS FOR OUTDOOR WIRING

Luminaires must be installed and connected by a qualified technician.

Recessed floor lights

THE CONNECTION

So that your recessed floor can work, you must naturally connect them to the mains. This connection must be protected against humidity, specified by the IP (International Protection) value of the product. This value has two numbers: the first number designates protection against solid objects and the second number designates protection against water and humidity.

Recessed floor luminaires are often installed in places subject to bad weather, so it is imperative:
- To opt for a connection solution with an IP68 rating.
- To seal the cable sheath and not the conductors.
- To use a recessing box when installed in the ground.

Errors to avoid:
- Use of undesignated IP20 connectors (photo 1) or adhesive tape (photo 2).
- The waterproof connection is not made on the cable sheath but on the conductors (photos 3 and 4).
- The resin or the insulating gel is not properly cast (photo 5).

Poor seals, even partials, will gather up water in the product through the cable. This phenomenon of rising water by «capillarity» damages the electrical components and it no longer allows the proper operation of the product.

1

2

3

4

5

IP68 JUNCTION BOX

The safest way to do this, is to make the connection inside the junction box and fill this up with resin (or bicomponent gel). The casting resin will keep your connection and your floor uplighter completely free of water.

Making your connection in watertight connectors with cable glands is another possibility. However, this option is less safe. Chances are that water will still find its way.

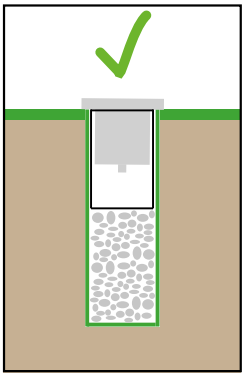
Once the connection in the junction box is made and you've tested your spots multiple times, you can fill the junction box with resin. Don't forget to test your spots before casting the resin. Once the resin is solidified, you cannot make any more changes to your connection!

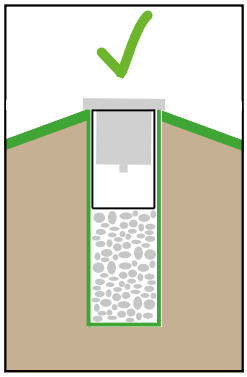
SEALED CONNECTOR

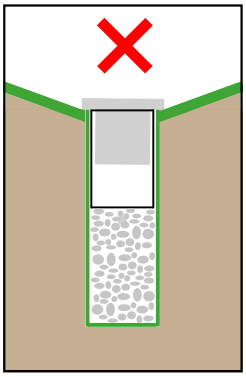
This connector with cable glands can be used in the recess or under a wooden floor to make an IP68 waterproof connection between 2 or 3 flexible rubber cables type H07RN-F or equivalent. Once the connection has been made, this connector has the advantage of being completely removable.

LOCATION

Never install your ground spots in a den. Install them on a flat or a higher surface.



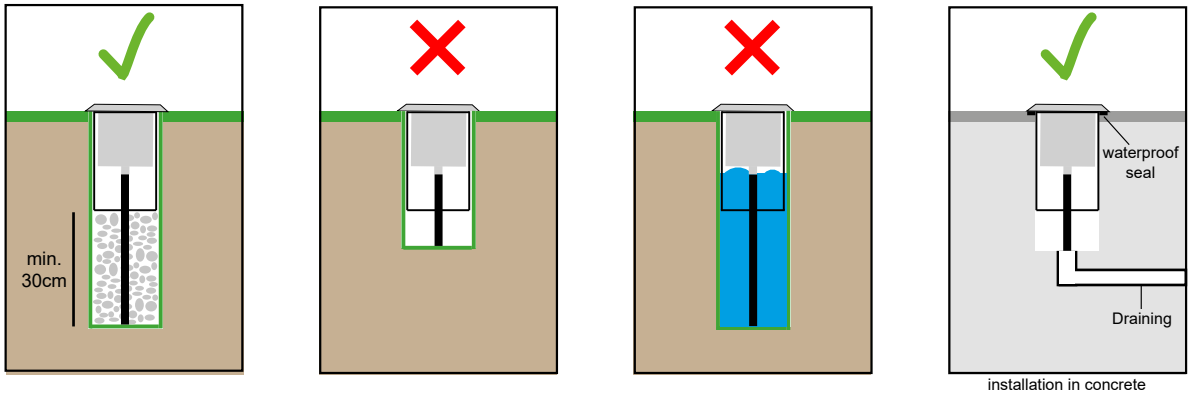




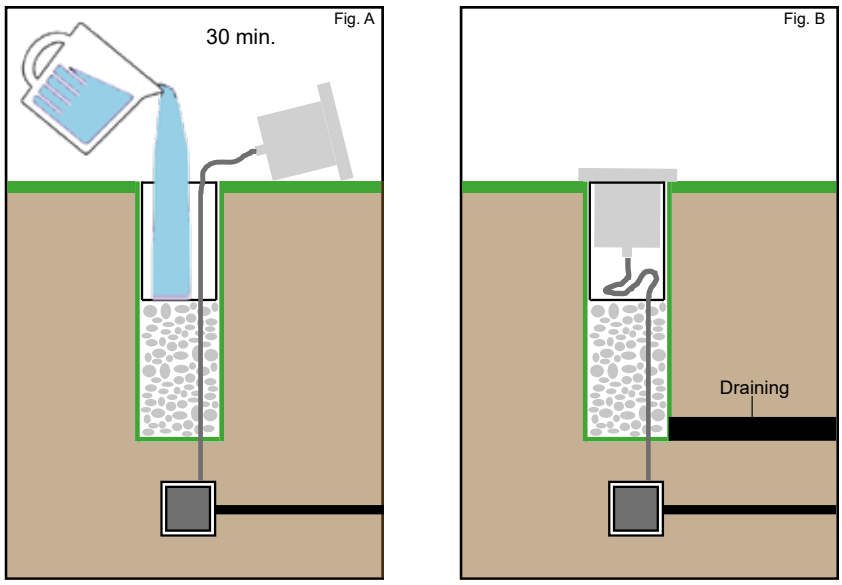
THE DRAINING

IP68 luminaires:
Drainage is not necessary, but it is important to know that these fixtures are intended to be permanently immersed only in clear water. They are not designed to be immersed in chlorinated water, seawater or any other aggressive environment.

IP67 luminaires:
To ensure good drainage, install a layer of gravel with a minimum depth of 30cm under the recessed box.



We recommend to perform the following test:
Fill the recessing box with water (Fig.A) and make sure that it has completely dissolved in 30min.
Otherwise, additional drainage is required (Fig.B)



IMPORTANT

To ensure a good seal of the IP68 cable gland, it is important to leave a sufficient length and not to «bend» the cable just at the exit of the cable gland.

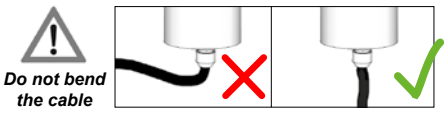
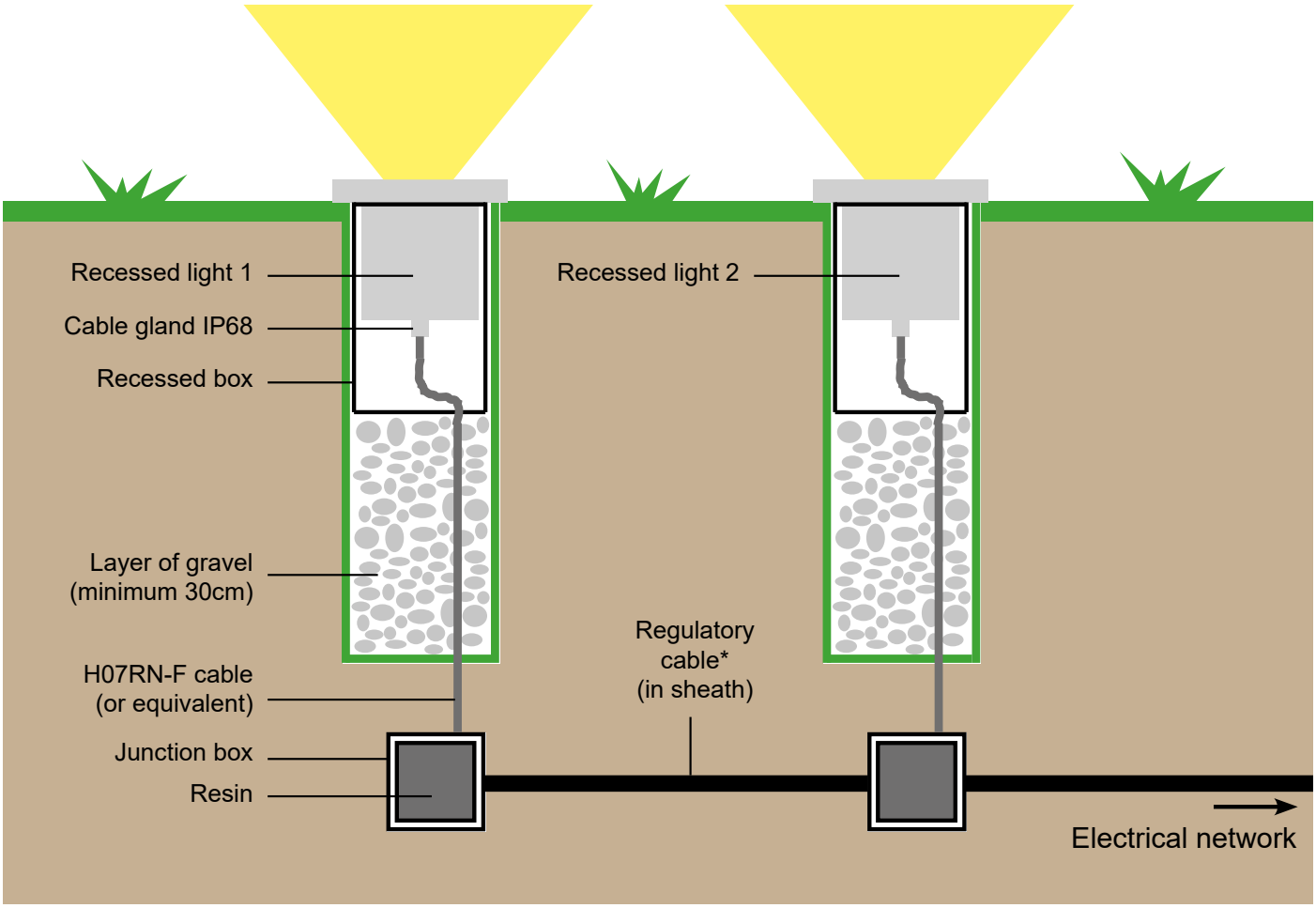


ILLUSTRATION OF A CONNECTION



* see national regulations.

THE CABLE

To ensure the tightness of the connection, with waterproof connectors or junction box, use a flexible rubber power cable type H07RN-F or equivalent. A flexible, rubber cable is much easier to seal off against water. When the swivel of the ground spot is fastened to the cable, the rubber cable sheath will function as a grommet. Nowadays, the cable will often be already attached to the ground spot. In this case, you don't need a separate cable.
Caution: if there's a cable attached to the ground spot, don't remove it! By doing this, you'll lose your warranty.

THE DEPTH OF THE ELECTRICAL SHEATH

First of all, it is necessary to refer to national regulations.

Here is what we recommend:
- For an area not accessible to cars:
The electrical conduits must be buried at a minimum depth of 50 cm.

- For an area accessible to cars or under the sidewalks:
Electrical conduits must be buried to a minimum depth of 80 cm.

The buried electrical circuits must circulate in a sheath that can withstand shocks and crushing.
When covering these sheaths, it will be necessary to use soil or sand.
Under no circumstances should heavy stones be used to degrade the buried electric sheath with settlement.

INTEGRATION IN A WOOD FLOOR OR TERRACE

The drilling of the wood blades will be at the recommended drilling diameter (see product sheet, manual, etc ...). The depth under the floor must allow to embed the spot and the waterproof connections. It is also necessary to ensure that there is sufficient space under the recess to prevent stagnation of the water and not to «bend» the cable just at the exit of the cable gland. Otherwise, drainage will be done.

THE CONDENSATION

With the exception of a cause due to a bad connection, it is first of all a natural phenomenon.

The main cause is the mounting of the luminaires in a humid atmosphere, the product being so tight that as soon as the saturation point is reached, the water condenses. When warm moist air comes into contact with the cold, the water inside the luminaire becomes condensation. When the water evaporates, it creates an ascending water vapor that can influence the electrical components. Sometimes this water vapor can cause the electrical installation to trip.

A rapid temperature change also creates a pressure difference which can cause condensation.

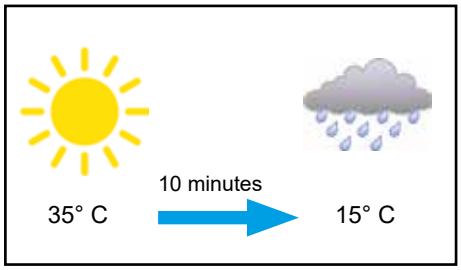
Pressure, temperature and humidity of the air are in a constant state of change and this has a not insignificant effect. Regardless of the tightness of the luminaire, this results in different pressure conditions between the interior of the enclosure and the environment causing the transport of the air that condenses in the luminaire.

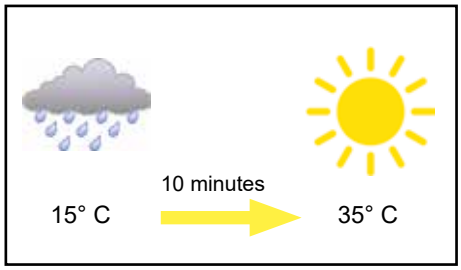
The BEL Lighting warranty does not cover condensation, except if it is proven that the water infiltration is due to a defect of the lamp. In case of condensation, you must check the following points:
- Is the lamp properly installed?
- Are the seals sealed and the screws and glass tight enough?
- For bollard, it is possible that the humidity coming up from the ground is at the origin of the formation of the condensation.

On most of our bollards and wall lights, we use «sandblasted» glasses, which has the effect of making visible the drops of water due to condensation (see photo) and make the glass more transparent.

It is recommended when installing:
- Realize assembly and wiring in very dry weather
- Check the tightening condition of all clamping parts and cable glands
- Comply with the recommendations for outdoor wiring

If in doubt, always refer to a professional.





MAINTENANCE

Regular cleaning is recommended with appropriate products to preserve the appearance and integrity of the luminaire surface.

Never use harsh cleaning agents or chemical solutions that may attack the surface.

We recommend the use of a damp cloth (microfiber preferably) or chamois leather for the maintenance and cleaning of parts in stainless steel, brass or copper.

During maintenance, if you find:
- A broken, cracked or unstuck protective glass
- Deterioration in the power cable
- a deteriorated seal

Then the luminaire is unusable, and the damaged parts must be repaired only with original spare parts.

Examples of luminaires before and after cleaning:

Stainles steel
Before cleaning

Stainles steel
After cleaning

Stainles steel

Brass

Grondstoffen

Inox 304L en 316L

Inox is een uniek materiaal met een uitzonderlijke weerstand en makkelijk recycleerbaar. Zijn functionaliteit en zijn roestvrij staal is een uniek materiaal met een uitzonderlijke weerstand en eenvoudig te recycleren. De functionele waarden maakt het mogelijk om te worden gebruikt, niet alleen voor grote industriële projecten en prestigieuze, maar ook voor iedere tak van industrie (auto industrie, voeding, ...). Roestvrij staal kan ongewijzigd blijven tientallen jaren voordat zij behandelt dient te worden. Bovendien door zijn extreme weerstand voldoet hij aan alle mechanische en thermische sterkte. RVS zelfbescherming door te reageren op atmosferische zuurstof en het creëren van een beschermende membraan. De 304L inox kan vlekken oxidatie (iconische) vertonen die verdwijnt na reiniging. Het nikkel gehalte en chroom gehalte verhoogt de weerstand tegen corrosie. Let op roestvrij staal die is behandeld door instrumenten zoals draaibanken, CNC, enz.. wordt als gevolg van elektrische ladingen die zich ontwikkelde tijdens de behandeling als gevolg van wrijving gemagnetiseerd. Visueel, is inox een van de mooiste materialen, bekend om de duurzaamheid van zijn ontwerpen, hij word gerespecteerd door architecten en interieur ontwerpers. Gemakkelijk te combineren, is dit een uitzonderlijk materiaal.

De gedraaide Inox of RVS producten 304L – geborsteld uiterlijk (Kleurcode = 04):
Kunnen zowel binnen als buiten gebruikt worden maar mogen niet in een vuile atmosfeer geplaatst worden (bv. Industriële zone, haven, zwembad, chemische industrie enz…. Uw project moet op minstens 20km verwijderd zijn van de kust.

Voor een optimale installatie in een agressieve omgeving stellen we het volgende voor:
-versie High (code = 04EP) = Inox 304L geborsteld uiterlijk + Elektrolytisch polijsten.
Aarzel niet een gepersonaliseerde offerte aan te vragen.

De gedraaide Inox of RVS producten 316L – geborsteld uiterlijk (Kleurcode = 16):
Deze kunnen gebruikt worden in agressieve omgevingen (bv. aan zee, aan een zwembad, enz.…) maar let op, dit sluit niet uit dat er zich roestvlekken kunnen vormen indien het toestel niet regelmatig gereinigd word. (vooral in een chlooromgeving of gejodeerd, of als de producten blootgesteld worden aan extreem weer)

Voor een optimale installatie in een agressieve omgeving stellen we het volgende voor:
-versie High+ (code = 16EP) = Inox 316L geborsteld uiterlijk + Elektrolytisch polijsten.
Aarzel niet een gepersonaliseerde offerte aan te vragen.

Elektrolytisch polijsten (oppervlaktebehandeling van roestvast staal)

Inox of RVS genaamd (304L of 316L) geïnstalleerd in een maritieme omgeving (tot 20 km verwijderd van de zee) is gedoemd om vuil te worden. Vuil en andere microscopische deeltjes die met ijzer geladen zijn kunnen zich vast zetten op het oppervlak en samen met de zoute zee-nevel hun oxidatie in vorm van roestvlekken versnellen. Na de elektrolytische behandeling kunnen stof en spray zich niet meer vast zetten. Deze elektrochemische behandeling verwijdert onzuiverheden en ijzer en vermindert het oppervlak door micro-ontbraming. Het oppervlak, gladder en rijker aan chroom krijgt een schitterende glans en een optimale duurzame corrosiebestendigheid.

Verhoogde corrosiebestendigheid: voor de chemische en farmaceutische industrie, voor buiten- en architecturale toepassingen, voor boten en jachten, voor zwembaden en andere situaties van put- en spleetcorrosie.
Aarzel niet ons een persoonlijke prijsofferte te vragen. Deze behandeling is mogelijk op het grootste deel van ons gamma armaturen in inox 304L en 316L.

Koper

Samen met goud,is koper het enige metaal dat van nature is gekleurd. Het natuurlijke aspect van dit metaal is rood, een kleur die hem een metaalglans geeft. Het heeft een thermische en elektrische geleidbaarheid en uitstekende weerstand tegen erosie door water, het maritieme milieu en organische zuren. Het heeft geen magnetische eigenschappen. Het koper beschermt zichzelf door het ontwikkelen van een natuurlijke laag van bruin-groen kleur bij blootstelling aan de externe omgeving.

Messing

Dit is een legering van koper en zink. Harder metaal dan koper, heeft een natuurlijke geelachtige kleur. Messing creëert een natuurlijke laag van bruin-zwart op zijn oppervlak, dit zorgt voor zelfbescherming tegen corrosie bij blootstelling aan de externe omgeving.

Aluminium (serie 6000)

Aluminium legering van silicium en magnesium, gebruiken we vooral voor onze productie profielen van verschillende diktes van de 6000-serie. Het heeft een zeer goede decoratieve gedrag, maar ook een uitzonderlijke weerstand tegen atmosferische erosie.

Behandeling van het aluminium

- **Anodiseren :** de omvorming van het aluminium oppervlak en het creëren van een kunstmatig laag oxide.

De procedure gebeurt onder gecontroleerde omstandigheden, deze oxidelaag is zeer consistent en hard om het aluminium te beschermen.
Op al onze producten met kleurcode “32” voeren we een standaard anodisatie uit van **15 microns.**

Voor een optimale installatie in een agressieve omgeving stellen we het volgende voor:
Dubbele heldere anodisatie (code = 32D) of zwart anodisatie (code = 02A): **20+ microns ”sea side”**
Deze dubbele anodisatie word aanbevolen voor installatie in agressieve omgevingen (aan zee, zwembad, enz…)

Andere kleuren met **20+ micron anodisatie “sea side”** zijn brons (33), mat goud (34), groen (35) en bordeaux (36).

Aarzel niet een gepersonaliseerde offerte aan te vragen.

Kleurvariatie op verlichtingsarmaturen van geanodiseerd aluminium
Onze verlichtingsarmaturen met geanodiseerde aluminiumafwerking worden met de grootste zorg geproduceerd om zowel esthetiek als prestaties te garanderen. Het is echter belangrijk om te vermelden dat er lichte kleurvariaties kunnen optreden, zelfs op hetzelfde armatuur. Deze verschillen zijn een natuurlijk resultaat van het anodisatieproces, waarbij het materiaal op verschillende manieren kan reageren. Deze variaties dragen bij aan de authenticiteit en het unieke karakter van elk armatuur. Heeft u vragen of wenst u meer informatie over de afwerking van onze producten? Aarzel dan niet om contact met ons op te nemen.

- **Elektrostatische verf :** Is een polyester verflaag. Een fase waarin het herstel van het metaal gebeurd door een complete meertraps chromaat omzettingscoating

BEL LIGHTING maakt hoofdzakelijk gebruik van AkzoNobel’s ultra duurzame polyesterverf ontworpen voor buiten architectuur die een hoge weersbestendigheid en langdurige kleurstabiliteit vereist.

Belgische blauwe steen

Van Belgische oorsprong, is gebruikt sinds meer dan 300 jaar in gebouwen doorgeen de Belgische geschiedenis. Dit is waarom de ontwerpers van Bel-Lighting dit hebben geïntroduceerd in hun productie.

De blauwe steen is een onvervangbaar materiaal van uitzonderlijke kwaliteit en, net als hout, stijgt de waarde in de tijd: de erosie zal blijven verfraaien.

Onze armaturen zijn met het label «echt Belgisch Blauwe Hardsteen uit Henegouwen» met de goedkeuring en technische certificaat verleend door het U.B.A.t.c.

AANBEVELINGEN VOOR EXTERNE KABEL AANSLUITING

Armaturen moeten door een gekwalificeerde technicus worden geïnstalleerd en aangesloten.

De grondspots.

DE AANSLUITING

De toestellen dienen geplaatst en aangesloten te worden door een gekwalificeerde installateur.
Om uw grondspots te laten functioneren dienen deze aan het net aangesloten te worden.
Deze aansluiting dient met een grote bescherming tegen vochtigheid te gebeuren, beschreven als IP waarde (International Protection) van het toestel.
Deze waarde word aangegeven door twee cijfers : het eerste cijfer geeft de bescherming tegen vaste voorwerpen, het tweede cijfer geeft aan in welke mate het toestel beschermd is tegen water.

De grondspots zijn veel onderworpen aan het slechte weer, een goede aansluiting is dus van groot belang:
- Kies voor een aansluiting met IP68 waarde.
- De waterdichtheid maken op de volledige kabel en niet alleen op de draden.
- Gebruik een inbouw behuizing als de spots in de grond geplaatst worden.

Fouten te vermijden :
- Gebruik van connectoren met een IP20 waarde zonder giethars (foto 1) of plakband (foto 2).
- De waterdichte verbinding is niet gebeurd op de kabelmantel maar enkel op de stroom draden (foto 3 en 4).
- Het opgiethars of de gel is niet goed gelopen (foto 5).

Een slechte waterdichte verbinding, zelf gedeeltelijk zal ervoor zorgen dat er waterinfiltratie in het toestel via de kabelmantel zal zijn . Dit fenomeen van waterinfiltratie via de kabelmantel « capillariteit » genoemd zal ervoor zorgen dat bepaalde onderdelen niet meer normaal zullen functioneren.

1

2

3

4

5

AFTAKDOOS IP68

De beste en meest efficiënte manier om een ondergrondse verbinding te maken is een aftakdoos IP68 die opgegoten is met giethars of met 2 componenten isolerende gel te gebruiken.
Dit giethars bestaande uit twee componenten zorgt ervoor dat de verbinding en uw spot volledig beschermd zal zijn tegen vocht.

Een andere mogelijkheid is waterdichte connectoren met wartels te gebruiken.
Maar deze verbinding geeft minder zekerheid daar waterinfiltratie niet onmogelijk is.

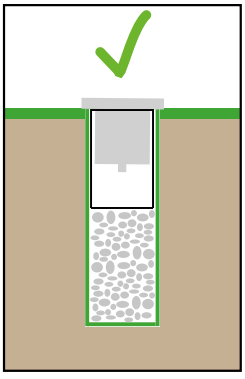
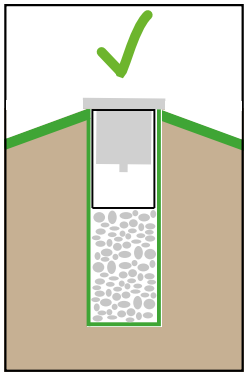
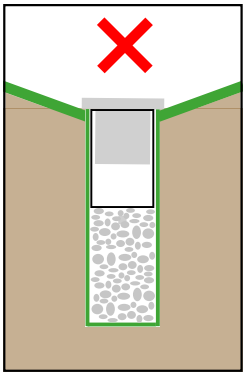
Eens u de aansluiting in uw aansluitdoos heeft verricht en enkele malen de spots heeft getest, kan je de aansluitdoos opgieten met giethars. Vergeet zeker niet deze test eerst uit te voeren daar eens het giethars in de aansluitdoos gelopen is, is er geen weg terug meer voor deze aansluiting.

WATERDICHTE CONNECTOR

Deze connector met wartels word gebruikt in inbouwpotten of onder houten terrassen om een waterdichte verbinding IP68 te maken. Op deze manier kan men 2 of 3 soepele rubberkabels type H07RN-F of gelijkaardig met elkaar verbinden. Het enige voordeel bij gebruik van dit type verbinding is dat ze steeds demonteerbaar blijft.

PLAATSING

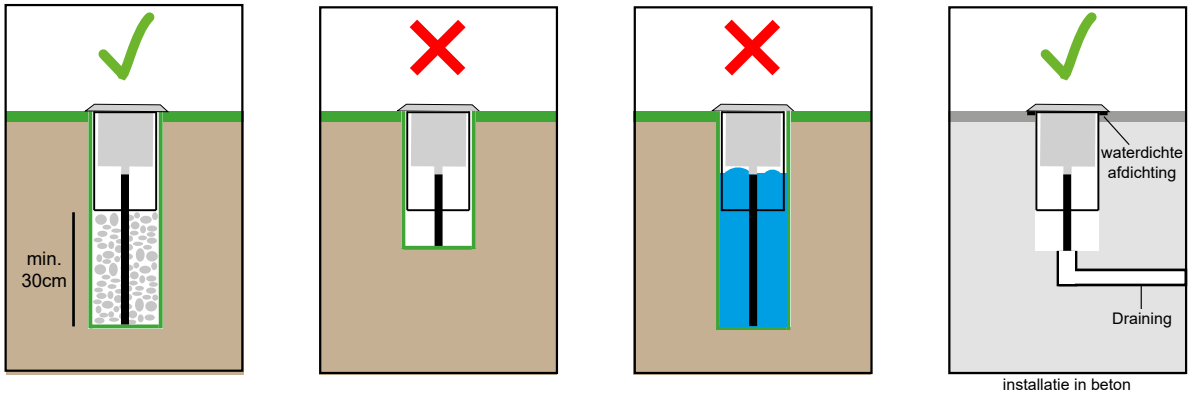
De grondspot met een waarde lager dan IP68 mag nooit in een kuil geplaatst worden, maar moet altijd op een vlakke of verhoogde ondergrond worden geplaatst.

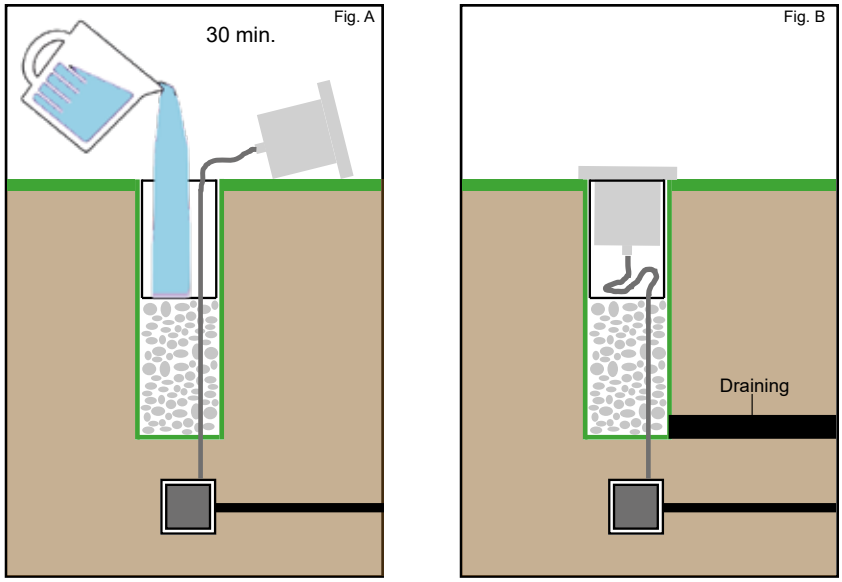
DE DRAINAGE

Toestellen met een IP68 waarde:
Een drainage bij deze toestellen is niet nodig, wel moet men rekening houden dat deze toestellen gebouwd zijn om constant onderwater gebruikt te worden in natuurlijk water. Deze toestellen zijn niet gemaakt voor gebruik te worden in chloor, zout water of andere agressieve omgevingen.

Toestellen met een IP67 waarde:
Voor een goede drainage gelieve een laag kiezel van minimaal 30cm diepte te voorzien onder te inbouwpot van de grondspot.

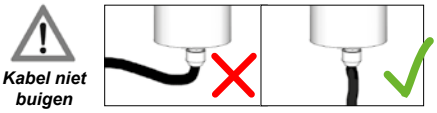


We stellen u voor volgende test te doen:
Vul de inbouwpot met water (Fig.A) met de zekerheid dat het water allemaal weg is na 30min.
Is dit niet het geval dan dient u voor een extra drainage te zorgen. (Fig.B)

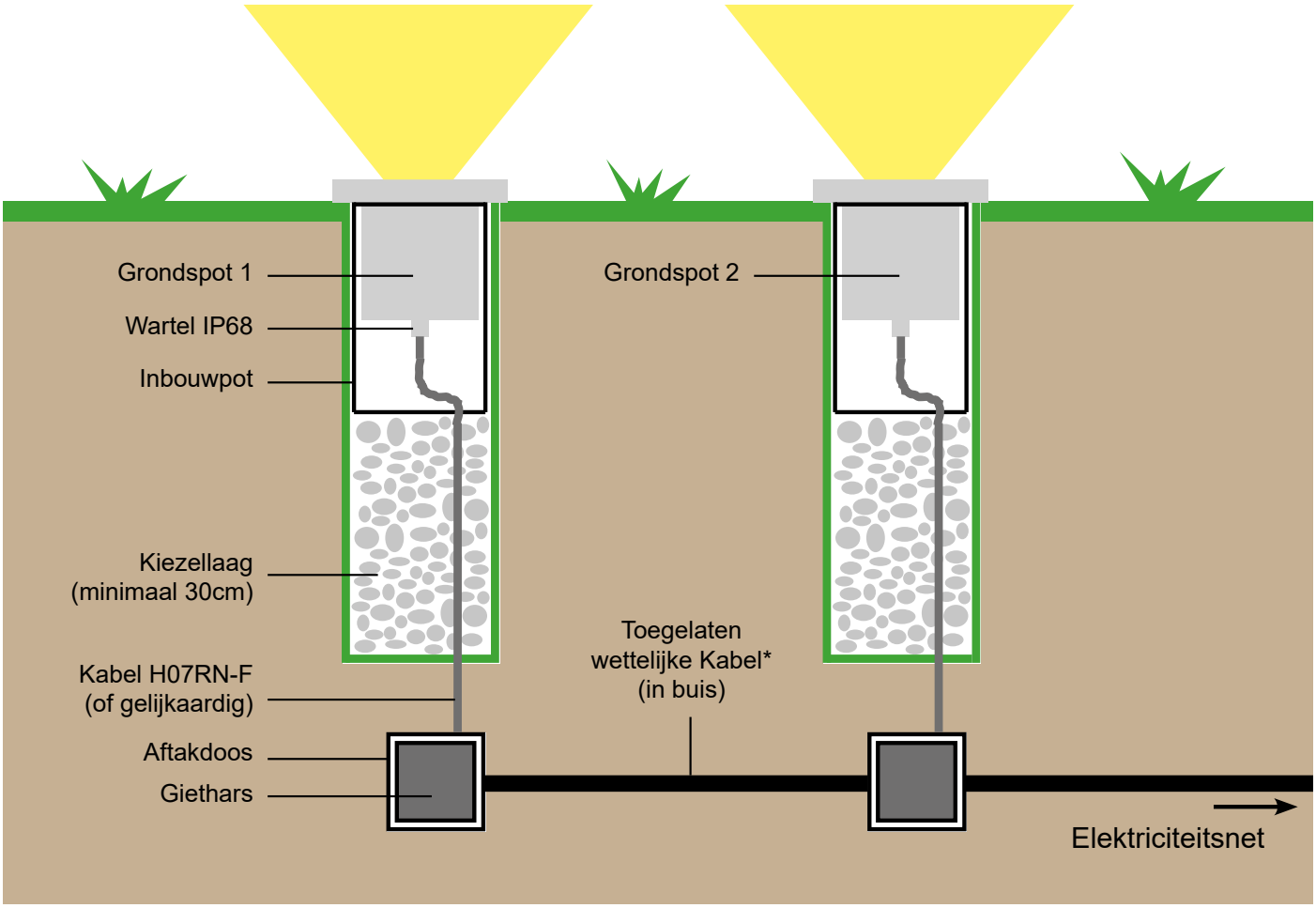


BELANGRIJK

Om een goede waterdichtheid IP68 te hebben aan de wartel dient u ervoor te zorgen dat de kabel lang genoeg is en niet gebroken word aan de uitgang van de wartel.



VOORBELD VAN EEN AANSLUITING



* zie plaatselijke voorschriften

DE KABEL

Voor een waterdichte verbinding te garanderen met de connector of een waterdichte aftakdoos dient u gebruikt te maken van een soepele rubberkabel van het type H07RN-F of gelijkaardig. Een soepele rubber kabel is veel beter omdat de kabelmantel ook dient als extra afdichting als de wartel in de grondspot word vastgedraaid.
Actueel is de kabel reeds vast aangesloten aan de grondspot bij levering, u dient dus geen kabel aan te kopen.
Opgelet: Verwijderd nooit de kabel die bij de productie eraan geplaats geweest is.
Doe je dit wel verlies je de garantie.

KABELDIEPTE VAN HET ELEKTRICITEITSNET

Eerst en vooral dient men de landelijke voorschriften op te volgen.
Hierbij onze aanbevelingen:

- Voor een omgeving waar geen voertuigen rijden:

Moeten de verbindingskabels minimaal 50 cm onder de grond zitten.

- Voor een omgeving waar wel voertuigen rijden en onder voetpaden:

Moeten de verbindingskabels minimaal 80 cm onder de grond zitten.

De kabels moeten onder de grond in een wachtbuis geplaatst worden van het type TPC, dit zijn buizen vervaardigd uit polyethyleen. De gladde binnenwand van de buis garandeert een snelle en efficiënte doorvoering van kabels. Tegelijkertijd zorgt de geribbelde buitenzijde van de buis voor stevigheid en flexibiliteit. Het resultaat van dit dubbelwandige concept is een sterke robuuste en schokbestendig buis, die licht van gewicht is en relatief buigzaam.
Bij het dichtleggen van de gegraven kanalen waarin deze buis zich bevind dient men gebruik te maken van grond of zand waarin geen keien of harde voorwerpen zitten daar deze de beschermbuizen nutteloos zouden kunnen beschadigen.

INTEGRATIE IN EEN PLANKENVLOER OF HOUTEN TERRAS

De te voorziene inbouwopening zal gebeuren op basis van de opgegeven diameter (zie product fiche, bijgeleverde nota, enz….).
Er dient voldoende diepte te zijn onder de vloer zodat de toestellen kunnen ingebouwd worden en dat er een waterdichte verbinding kan plaats vinden. Men dient er ook rekening met te houden dat er onder de grondspot voldoende vrije ruimte is waar geen water kan blijven staan en dat de kabel aan de warteluitgang niet “gebroken” word. Zo dit niet is dient er een drainage voorzien te worden.

CONDENSATIE VORMING

Bij uitzondering te wijten aan een slechte verbinding is condensatie vorming een normaal natuur fenomeen.

De belangrijkste reden van deze condensatie vorming is de plaatsing van de toestellen in een vochtige omgeving. De toestellen zijn zo waterdicht dat eens het verzadiging punt bereikt word er onmiddellijk condensatie gevormd word. Van zodra er warme vochtige lucht in contact komt met een koude externe temperatuur zal de warme vochtige lucht die zich binnenin het toestel bevind condenseren. Als het water verdampt geeft men vorming van stoom die storingen kan geven aan bepaalde elektrische componenten in het toestel. Zelden kan hierdoor ook de verliesstroomschakelaar uitvallen.

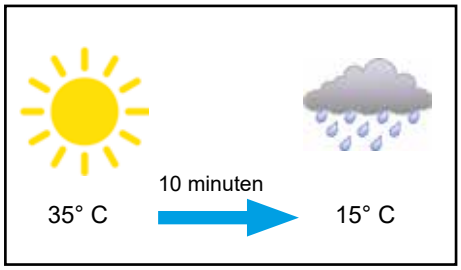
Een snelle wijziging in temperatuur gaat ook gepaard met een verandering in druk dat kan leiden tot condensatie vorming.
Druk, temperatuur en vochtigheid in de lucht veranderen constant en dat mag niet vergeten worden. Ongeacht de waterdichtheid van de toestellen leidt dit tot verschillen in drukvoorwaarden tussen de behuizing binnenin het toestel en de omgeving waardoor de getransporteerde lucht in het toestel condenseert.

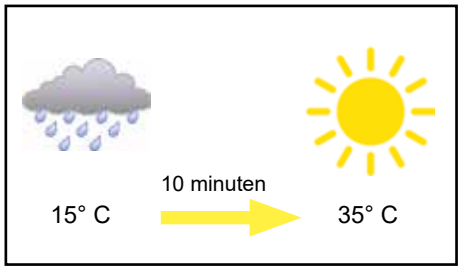
De garantie van Bel Lighting dekt geen condensatie tenzij bewezen kan worden dat het binnendringen van water ten gevolge een productie fout is.
Bij condensatie dient u volgende actie te ondernemen :
- Is het toestel goed geïnstalleerd geweest ?
- Zijn de dichtingen waterdicht en zijn de vijzen en het glas voldoende aangetrokken ?
- Indien het verlichtingspalen zijn, bestaat de mogelijk dat de vochtigheid uit de grond verantwoordelijk is voor de vorming van condensatie.

Op een groot deel van onze verlichtingspalen of wandtoestellen maken we gebruik van “fijn gezandstraald” glas, wat als nadeel heeft dat bij condensvorming de druppels water beter zichtbaar zijn omdat het glas doorzichtig word (zie foto).

Het word aangeraden bij installatie:
- De plaatsing en de bekabeling uit te voeren bij zeer droog weer
- Alle dichtingen, vast te zetten delen en de wartels te controleren
- Goed de voorschriften voor buiten aansluitingen te respecteren

Bij twijfel neem contact met een professioneel installateur.





ONDERHOUD

Een regelmatige reiniging met voorgeschreven producten word aangeraden om de uitstraling van de oppervlakte van de toestellen als nieuw te behouden.

Nooit agressieve reinigingsproducten of chemische oplosmiddelen gebruiken die het oppervlakte van de toestellen zou kunnen schaden.

Voor het reinigen van producten als koper, RVS en messing adviseren wij een gewone vochtige doek (bij voorkeur microvezel) of zeem te gebruiken.

Indien u volgende zaken vaststelt bij onderhoud:
- Een gebroken beschermglas, gebarsten of losgekomen
- Een beschadigde voedingskabel
- Een beschadigde dichtingsring

Dan is het toestel niet meer bruikbaar en dienen de beschadigde onderdelen vervangen en hersteld te worden door originele vervangonderdelen.

Voorbeeld van toestellen voor en na reiniging:

INOX
Voor reiniging

INOX
Na reiniging

INOX

MESSING

Matières premières

Inox 304L ou 316L

L'acier inoxydable est un matériau unique d'une résistance exceptionnelle et facilement recyclable. Ses valeurs fonctionnelles et sa valeur monétaire lui permettent d'être utilisé non seulement pour des projets industriels majeurs et prestigieux, mais également pour toute forme d'industrie (automobile, alimentaire, ...). L'inox peut rester inchangé des décennies avant de devoir subir un quelconque traitement. En plus de son extrême résistance à la corrosion, il répond aux exigences de toutes les résistances mécaniques et thermiques. L'inox s'auto-protège en réagissant à l'oxygène atmosphérique en créant une membrane résistante de protection. Le 304L inoxydable (L= faible en carbone), peux présenter des taches d'oxydation qui disparaissent grâce au nettoyage. Sa teneur en nickel et chrome principalement augmente sa résistance à la corrosion. Attention, l'inox qui a subi un traitement par des instruments comme tours, CNC, etc... se magnétise en raison des charges électriques qui se sont développées pendant le traitement en raison du frottement. Visuellement, l'inox est l'un des plus beaux matériaux, connu pour la durabilité de ses designs, il l'emporte haut la main chez les architectes et les décorateurs. Facilement combinable, c'est un matériau exceptionnel.

Les produits en Inox 304L tourné - aspect brossé (code couleur = 04):
Ils sont utilisables à l'intérieur et à l'extérieur, mais ne doivent pas être posés dans une atmosphère polluée (Zone industrielle, portuaire, piscine, industrie chimique, étable, etc..). Le lieu de votre projet doit être situé à plus de 20km des côtes.

Pour une installation optimale en milieu agressif, nous proposons:
- version High (code = 04EP) = Inox 304L aspect brossé + Electropolissage
N'hésitez pas à demander une offre personnalisée

Les produits en Inox 316L tourné - aspect brossé (code couleur = 16):
Ils sont utilisables en milieux agressifs (bord de mer, bord de piscine, etc.), mais attention, ceci n'exclut pas l'apparition de quelques points de rouille si le luminaire n'est pas entretenu régulièrement (surtout en milieux chlorés et iodés, ou si les produits sont exposés à des fortes intempéries)

Pour une installation optimale en milieu agressif, nous proposons:
- version High+ (code = 16EP) = Inox 316L aspect brossé + Electropolissage
N'hésitez pas à demander une offre personnalisée

L'électropolissage sur l'inox

L'inox (304L ou 316L) installé dans un environnement marin (jusqu'à 20km de la mer) est condamné à devenir terne. Les saletés et autres poussières microscopiques chargées en fer vont pouvoir s'y stocker et se mélanger aux sels des embruns de bord de mer et accélérer ainsi leur oxydation en tâches de rouille.
Après traitement electropolissage, les poussières et les embruns ne peuvent plus se stocker. Ce traitement purement électrochimique enlève les impuretés et le fer et diminue la surface par un micro-ébavurage. La surface, plus lisse et plus riche en chrome, obtient un éclat brillant et une résistance à la corrosion optimale et durable.

Ce procédé est utilisé pour l'industrie chimique et pharmaceutique, pour des applications extérieures et d'architecture, des bateaux et yachts, pour piscines, pour les situations maritimes et d'autres applications faisant face à la corrosion par piqûres.
N'hésitez pas à demander une offre personnalisée car ce procédé est réalisable sur la plupart de nos luminaires en inox 304L ou 316L.

Cuivre

Avec l'or, le cuivre est le seul métal naturellement coloré. L'aspect naturel de ce métal a une couleur rouge ce qui lui donne un éclat métallique lorsqu'il brille. Il a une conductibilité thermique et électrique et une résistance excellente à l'érosion d'eau, l'environnement marin et aux acides organiques. Il ne présente pas d'attribut magnétique. Le cuivre s'auto-protège en développant une couche naturelle de couleur brune/verte lorsqu'il est exposé à l'environnement extérieur.

Laiton

C'est un alliage de cuivre et de zinc. Métal plus dur que le cuivre, il a un aspect naturel jaunâtre. Le laiton crée une couche naturelle de couleur brune/noire à sa surface pour s'auto-protéger de la corrosion lorsqu'il est exposé à l'environnement extérieur.

Aluminium (série 6000)

Alliage d'aluminium de silicium et de magnésium, nous utilisons principalement pour notre production des profilés de différentes épaisseurs de la série 6000. Il présente une très bonne conduite décorative, mais aussi une résistance exceptionnelle à l'érosion atmosphérique.

Traitements de l'aluminium

- **Anodisation :** c'est la transformation de la surface de l'aluminium et la création d'une couche artificielle d'oxyde.

La procédure se fait sous des conditions absolument contrôlées et ainsi cette couche d'oxyde est très cohérente et dure pour protéger l'aluminium.
Sur l'ensemble de nos produits avec le code couleur «32», nous effectuons une anodisation standard égale à **15 microns.**

Pour une installation optimale en milieu agressif, nous proposons:
double anodisation claire (code = 32D) ou noire (code= 02A): **20+ microns «sea side»**
Cette double anodisation est recommandée pour une installation en milieu agressif (bord de mer, bord de piscine, etc.)

Les autres couleurs avec une anodisation **20+ microns « sea side »** sont le bronze (33), doré mat (34), vert (35) et bordeaux (36).

N'hésitez pas à demander une offre personnalisée.

Variation de teinte sur les luminaires en aluminium anodisé
Nos luminaires en finition aluminium anodisé sont le fruit d'un processus de fabrication soigné, visant à garantir à la fois performance et esthétique. Cependant, en raison des caractéristiques propres au procédé d'anodisation, de légères variations de teinte peuvent apparaître, même sur un même produit. Ces différences de teinte sont naturelles et résultent de la manière dont le matériau réagit aux différentes étapes du traitement. Ces variations contribuent à l'authenticité et au caractère unique de chaque luminaire. Si vous avez des questions ou souhaitez davantage d'informations sur la finition de nos produits, n'hésitez pas à nous contacter.

- **Peinture électrostatique :** c'est une couche polyesterique de peinture. Le stade antérieur est le recouvrement du métal avec un revêtement de conversion au chromate complet à plusieurs étapes afin qu'il soit encore plus résistant à l'érosion.

BEL LIGHTING utilise principalement des peintures polyester ultra durables du fabricant AkzoNobel, conçues pour l'architecture extérieure nécessitant un haut niveau de résistance aux intempéries et une stabilité de la couleur à long terme.

Pierre bleue belge

D'origine belge, elle est utilisée depuis plus de 300 ans dans les constructions au travers de l'histoire belge. C'est donc une partie de cette histoire que les designers de Bel-Lighting ont introduit dans leur production.

La pierre bleue constitue une matière irremplaçable d'une qualité exceptionnelle et qui, tout comme le bois, augmente en valeur avec le temps : l'érosion et la patine continuent à l'embellir.

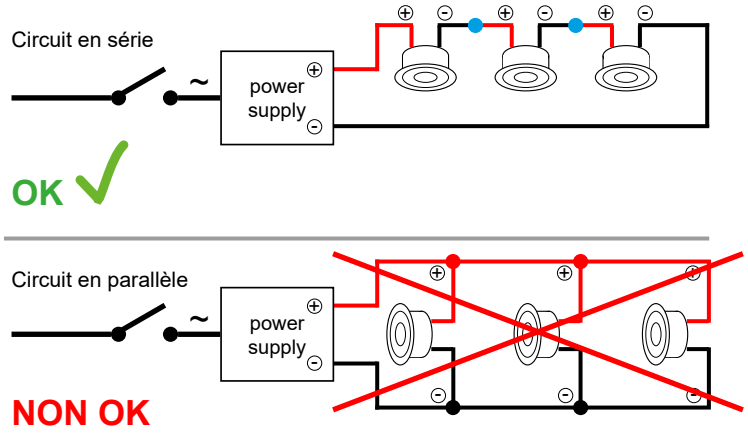
Nos luminaires portent l'étiquette « véritable Pierre Bleue belge du Hainaut » avec l'approbation technique et le Certificat accordé par l'U.B.A.t.c.

RACCORDEMENT DE SPOTS LED COMMANDÉS EN COURANT : À FAIRE ET À NE PAS FAIRE

Certains luminaires LED sont commandés en courant (par ex. 350 mA, 500 mA, 700 mA et 1050 mA). Ceux-ci exigent un courant continu. Pour transformer la tension de secteur 230 V en courant, il faut une alimentation électrique séparée, une alimentation commandée en courant.

Circuit série obligatoire

Les LED commandées en courant ne peuvent jamais être connectées sous tension ! De plus, elles doivent toujours être connectées dans un circuit en série. Dans les circuits en série, il n'y a qu'un chemin de courant. Le courant entre par le + et quitte le spot par le - pour continuer son chemin jusqu'au spot suivant. Le courant circule dans une direction à travers tous les spots jusqu'à ce qu'ils soient tous alimentés.



L'alimentation électrique externe doit être ajustée au nombre de spots et à leur puissance. Avec un courant constant, la tension sera répartie uniformément entre les différents spots.

Simulation de configuration

Essayons de simplifier les choses avec un exemple. Dans cette configuration, nous allons installer trois spots LED, chacun d'une puissance de 3,2 W. Les spots exigent un courant continu de 350 mA.

Calculez la tension requise du spot LED

En appliquant la formule de l'électricité, on peut calculer la tension nécessaire pour chaque spot séparé. Le courant équivaut à la tension fois l'ampérage.

Formule du courant électrique :

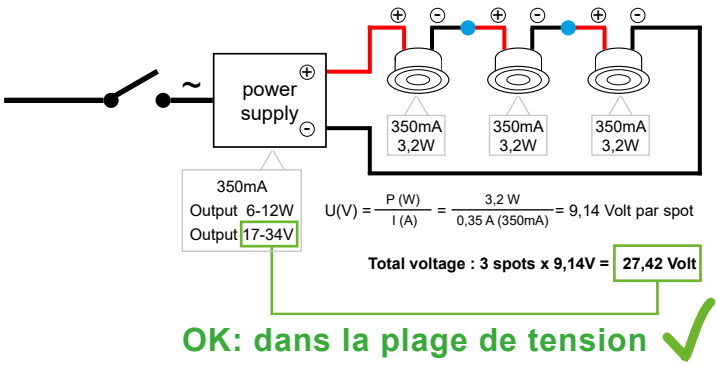
P (Watt) = U (Volt) x I (Ampère)

Lorsqu'on inverse la formule, on peut calculer la tension par spot :

$$U(\text{Volt}) = \frac{P(\text{Watt})}{I\ (\text{Ampère})} \rightarrow \frac{3{,}2\ \text{Watt}}{0{,}35\ \text{Ampère (350mA)}} = 9{,}14\ \text{Volt}$$

Chaque spot LED individuel a besoin de 9,14V pour maintenir un courant constant de 350 mA. Au total, les trois spots auront besoin de 27,42V (= 3 x 9,14V). La tension totale des spots doit être comprise dans la plage de tension de l'alimentation électrique.

Par conséquent, dans ce cas, une alimentation LED de 350 mA d'une tension de 17 à 34V conviendra parfaitement. Cette alimentation électrique présente une tension minimale de 17V et une tension maximale de 34V. La tension totale requise pour les spots ne peut être supérieure ou inférieure au niveau de tension de l'alimentation électrique.



L’alimentation électrique fournit trop de tension pour le nombre de spots :

Imaginons que vous voulez connecter uniquement un spot de 3,2 W : vous aurez seulement besoin de 9,14 V, soit moins que la tension minimale de 15 V de l’alimentation électrique. Cela entraînera une défaillance du spot parce que la tension est trop élevée.

Le circuit entier des spots doit toujours être testé immédiatement. Lorsque le monteur teste l’alimentation électrique avec chaque spot séparément, le spot qui requiert seulement 9,14 V reçoit immédiatement la tension minimale complète de 15 V. C’est trop et cela va entraîner un dysfonctionnement du spot.

L’alimentation électrique fournit trop peu de tension pour le nombre de spots :

Si vous connectez 8 spots de 3,2 W à la même alimentation électrique, vous aurez besoin d’un courant total de 73,12 V (= 8 x 9,14 V). C’est plus que la tension maximale de l’alimentation électrique. Les spots LED n’atteindront pas leur rendement lumineux maximal. En d’autres termes, ils paraîtront atténués.

Nombre minimum et maximum de spots sur l’alimentation électrique

Pour cette alimentation 350 mA (15 – 30 V), vous devez installer au moins deux de ces nouveaux spots de 3,2 W. La capacité maximale de l’alimentation électrique est de trois spots. Si vous voulez en installer davantage, vous aurez besoin d’une alimentation électrique d’une tension supérieure.

Ne jamais installer sous tension des spots LED commandés en courant

Pendant l’installation de spots LED commandés en courant, l’alimentation LED ne peut **jamais être sous tension !** Si vous négligez cette mise en garde, vous risquez d’endommager les LED. Vous perdrez même votre garantie. En cas de doute, contactez un électricien professionnel.

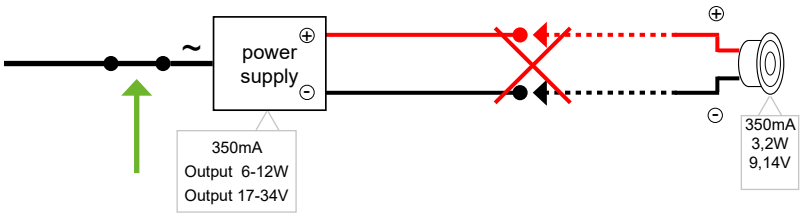
Lorsque les alimentations LED sont mises sous tension, elles commencent à chercher la quantité de tension qu’elles doivent distribuer. Si aucun spot n’est connecté, la plupart des alimentations continueront d’accumuler de la tension jusqu’à leur maximum.

Si vous branchez un spot LED à cette alimentation électrique entièrement chargée, elle recevra immédiatement la tension de sortie maximale. Si elle est supérieure à la tension maximale du spot LED, la LED va être endommagée. Il ne faut qu’une fraction de seconde pour que cela se produise.

Par conséquent, il est extrêmement important de couper la tension de votre alimentation électrique lors de l’installation de vos spots LED.

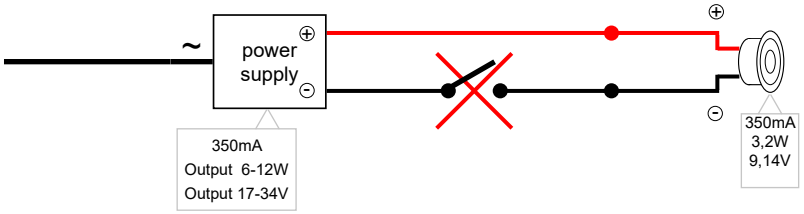
Mauvaise installation :

Supposons que vous mettiez une alimentation électrique de 350 mA (17-34V) sous tension. Ensuite, vous branchez un spot LED de 3,2 W. Le spot recevra immédiatement la tension de sortie totale de 34V. La tension maximale de ce spot de 3,2W est de seulement 9,14 V (= 3,2W / 350mA), et donc la LED va être endommagée.
Vous devez connecter toutes vos LED préalablement avant de mettre votre alimentation électrique sous tension. De cette manière, l’alimentation électrique peut accumuler la tension requise.



Le spot recevra immédiatement la pleine puissance de 34V et sera endommagé.

L’alimentation électrique ne peut être commutée que du côté primaire, à savoir avant que la tension de secteur de 230 V n’arrive. Sinon, la LED sera endommagée, exactement comme dans la situation ci-dessus.



Le spot recevra immédiatement la pleine puissance de 34V et sera endommagé.

Alimentation LED protégée :

Certaines alimentations électriques sont protégées contre le phénomène exposé ci-dessus. Lorsque ce type d’alimentation électrique est mis sous tension et qu’aucun spot n’est connecté, elles ne développent pas leur tension maximale. Au contraire : elles ne distribuent aucune tension du tout.
L’alimentation électrique ne commencera à distribuer la tension que quand les spots seront connectés et que l’alimentation électrique redémarrera.

RECOMMANDATIONS POUR LE CABLAGE EN EXTERIEUR

Les luminaires doivent être installés et raccordés par un technicien qualifié.

Les encastrés de sol.

LE RACCORDEMENT

Les luminaires doivent être installés et connectés par un technicien qualifié.
Pour que vos encastrés de sol puissent fonctionner, vous devez naturellement les raccorder au réseau électrique.
Ce raccordement doit faire l'objet d'une grande protection contre l'humidité, précisé par la valeur IP (International Protection) du produit. Cette valeur comprend deux chiffres : le premier chiffre désigne la protection contre les objets solides et le second chiffre la protection contre l'eau et l'humidité.

Les encastrés de sol sont souvent installés dans des lieux soumis aux intempéries, il est donc impératif :
- D'opter pour une solution de raccordement avec un indice IP68.
- De faire l'étanchéité sur la gaine du câble et non sur les conducteurs.
- D'utiliser un pot d'encastrement lorsqu'ils sont installés dans la terre.

Les erreurs à éviter :
- Utilisation de connecteurs IP20 non résinés (photo 1) ou d'une bande adhésive (photo 2).
- Le raccordement étanche n'est pas réalisé sur la gaine du câble mais sur les conducteurs (photos 3 et 4).
- La résine ou le gel isolant n'est pas correctement coulé (photo 5).

Une mauvaise étanchéité, même partielle, va générer une remontée d'eau dans le produit via le câble. Ce phénomène de remontée d'eau par «capillarité» endommage les composants électriques et ne permet plus le bon fonctionnement du produit.

1 2 3

4 5

BOITE DE DERIVATION IP68

La manière la plus sûre de parvenir à réaliser un raccordement étanche IP68 est d'effectuer le branchement dans une boîte de dérivation et de la remplir ensuite de résine. Ce type de gel isolant électrique se compose de deux résines à mélanger (on parle de gel isolant bi-composant). La résine à couler dans la boîte de dérivation garantit que le branchement et votre spot de sol seront totalement protégés contre l'eau.

Il est également possible d'effectuer le branchement dans des connecteurs étanches avec des presse-étoupes.
Toutefois, il s'agit d'une solution moins sûre, le risque d'infiltration d'eau n'est pas inexistant.

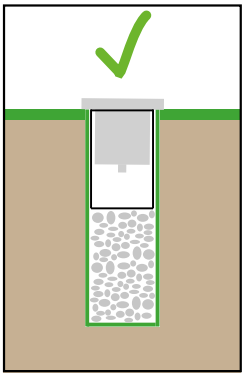
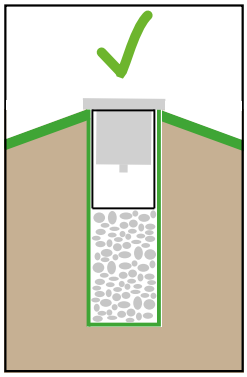
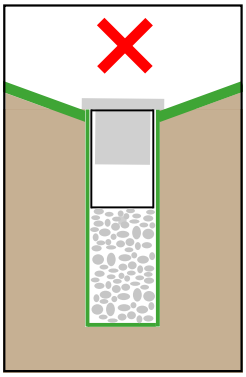
Une fois que le raccordement à la boîte de dérivation a été effectué et que vous avez testé plusieurs fois vos spots, vous pouvez couler la résine dans la boîte de dérivation. N'oubliez pas d'effectuer ces tests car une fois que la résine est solidifiée, vous ne pouvez plus rien pour votre branchement !

CONNECTEUR ETANCHE

Ce connecteur avec des presse-étoupes est utilisable dans le pot d'encastrement ou sous un plancher en bois pour réaliser un raccordement étanche IP68 entre 2 ou 3 câbles souples en caoutchouc du type H07RN-F ou équivalent.
Une fois que le raccordement a été effectué, ce connecteur a l'avantage d'être totalement démontable.

EMPLACEMENT

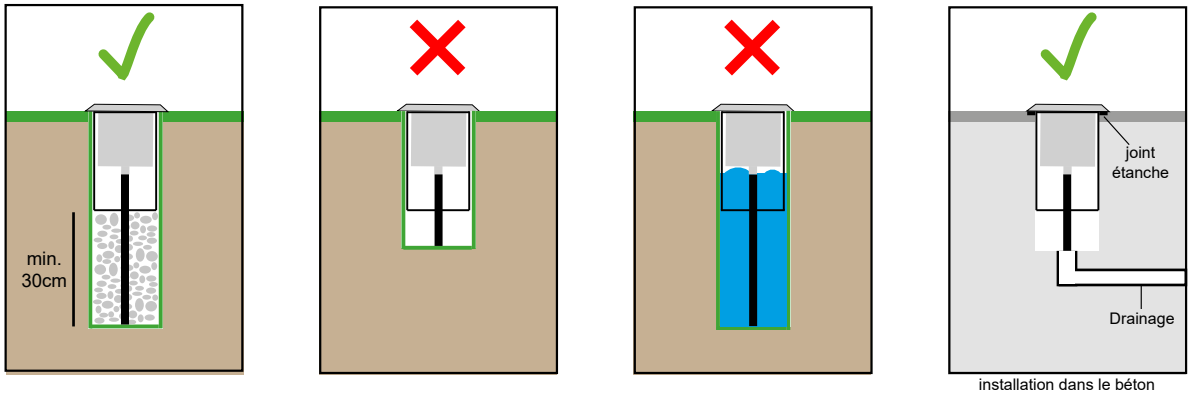
Le spot de sol avec un degré de protection inférieur à IP68 ne doit jamais être installé dans des cavités, posez-le sur une surface plane ou surélevée.

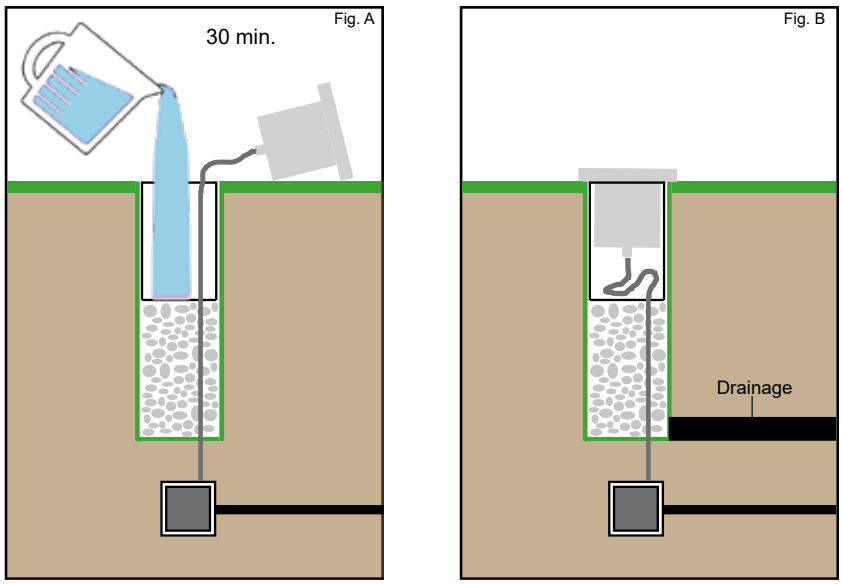
LE DRAINAGE

Luminaires IP68:
Un drainage n'est pas nécessaire mais il est important de savoir que ces luminaires sont prévus pour être en immersion permanente uniquement dans de l'eau claire. Ils ne sont pas conçus pour être immergés dans de l'eau chlorée, de l'eau de mer ou tout autre environnement agressif.

Luminaires IP67:
Pour assurer un bon drainage, veuillez installer une couche de gravier avec une profondeur de minimum 30cm sous le pot d'encastrement du luminaire.



Nous préconisons d'effectuer le test suivant:
Remplir d'eau le pot d'encastrement (Fig.A) et s'assurer que celle-ci se soit toute écoulée en 30min.
Dans le cas contraire, un drainage supplémentaire est obligatoire (Fig.B)



IMPORTANT

Pour assurer une bonne étanchéité du presse-étoupe IP68, il est important de laisser une longueur suffisante et de ne pas «croquer» le câble juste à la sortie du presse-étoupe.

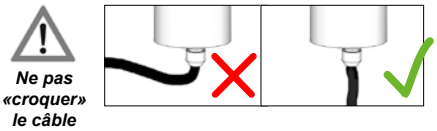
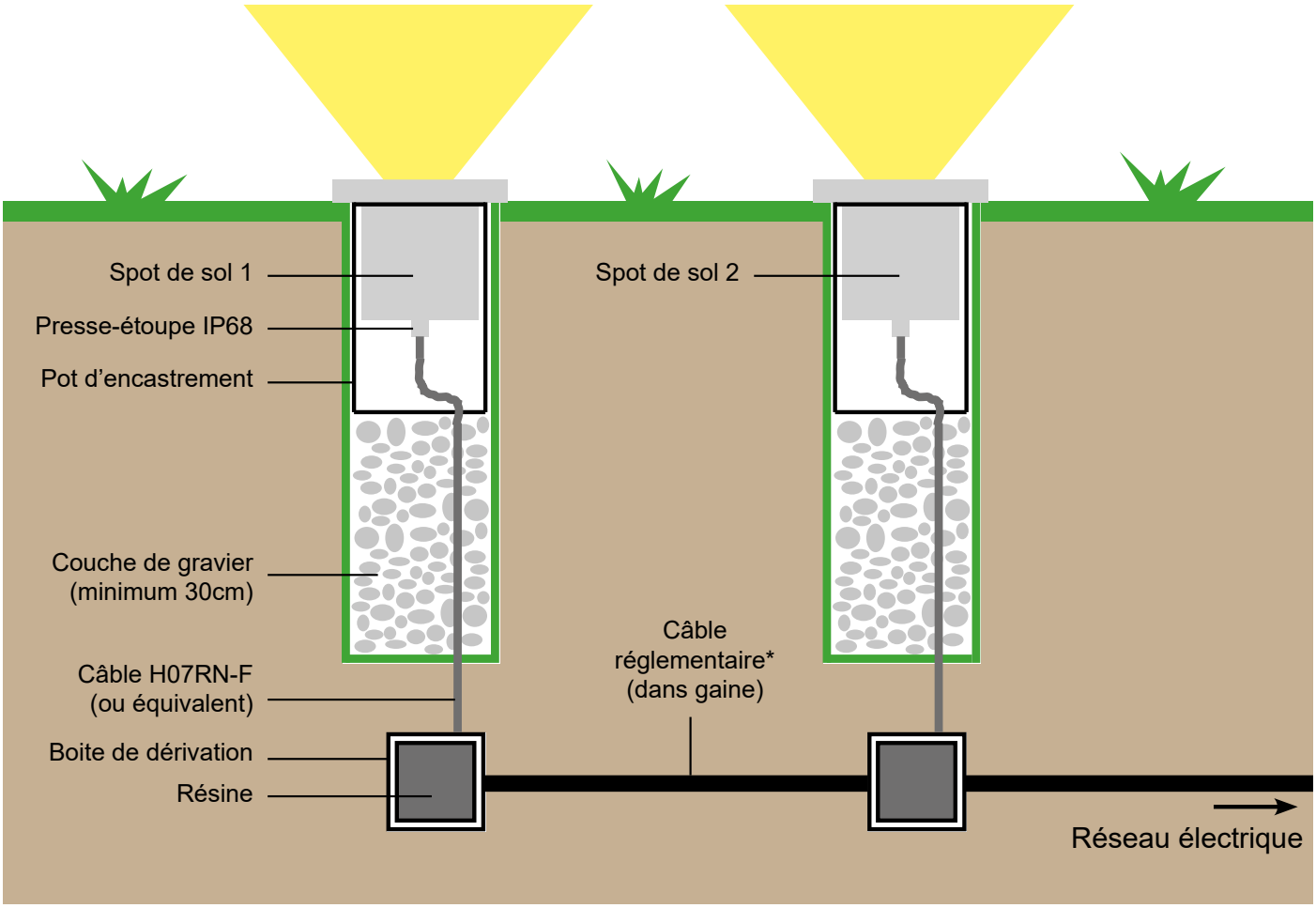


ILLUSTRATION D'UN BRANCHEMENT



* voir législation locale

LE CABLE

Pour assurer l'étanchéité du raccordement, avec des connecteurs étanches ou une boite de dérivation étanche, il faut utiliser un câble d'alimentation souple en caoutchouc du type H07RN-F ou équivalent. Un câble en caoutchouc souple peut être mieux raccordé contre l'eau et lorsque le presse-étoupe du spot de sol est vissé sur le câble, la gaine en caoutchouc du câble fait alors office de bague d'étanchéité. Actuellement, ce câble est souvent déjà fixé au spot de sol que vous achetez.
Attention : n'enlevez jamais le câble fourni avec le spot de sol ! Sinon, votre garantie est annulée.

LA PROFONDEUR DE LA GAINE ELECTRIQUE

Tout d'abord, il est nécessaire de se référer à la réglementation nationale.
Voici ce que nous préconisons:

- Pour une aire non accessible aux voitures:
  Les gaines électriques doivent être enterrées à une profondeur minimale de 50 cm.

- Pour une aire accessible aux voitures ou sous les trottoirs:
  Les gaines électriques doivent être enterrées à une profondeur minimale de 80 cm.

Les circuits électriques enterrés doivent circuler sous fourreau annelé TPC (Tube de Protection des Câbles), il s'agit de gaines en polyéthylène constituées d'une double paroi qui permet de résister aux chocs et à l'écrasement.
Lors du recouvrement de ces gaines, il faudra utiliser une terre meuble ou du sable. Il ne faut en aucun cas utiliser de gros cailloux qui pourraient avec le tassement dégrader la gaine électrique enterrée.

INTEGRATION DANS UN PLANCHER OU UNE TERRASSE EN BOIS

Le perçage des lames de bois se fera au diamètre de perçage préconisé (voir fiche produit, notice, etc...).
La profondeur sous le plancher devra permettre d'encastrer le spot et la connectique étanche.
Il est également nécessaire de s'assurer de la présence d'un espace suffisant sous l'encastré de manière à éviter la stagnation de l'eau et de ne pas «croquer» le câble juste à la sortie du presse-étoupe. A défaut, un drainage sera réalisé.

LA CONDENSATION

A l'exception d'une cause due à un mauvais raccordement, il s'agit avant tout d'un phénomène naturel.

La cause principale est le montage des luminaires dans une atmosphère humide, le produit étant tellement étanche que dès que le point de saturation est atteint, l'eau se condense. Quand de l'air chaud et humide entre au contact du froid, l'eau présente à l'intérieur du luminaire se transforme en condensation. Quand l'eau s'évapore, cela crée une vapeur d'eau ascendante qui peut avoir une influence sur les composants électriques. Parfois, cette vapeur d'eau peut faire disjoncter le compteur électrique.

Un rapide changement de température crée aussi une différence de pression qui peut générer de la condensation.

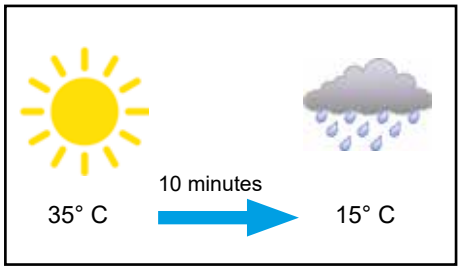
Pression, température et humidité de l'air sont dans un état constant de changement et cela a un effet non négligeable. Peu importe l'étanchéité du luminaire, il en résulte des conditions de pression différentes entre l'intérieur de l'enveloppe et l'environnement provoquant le transport de l'air qui se condense dans le luminaire.

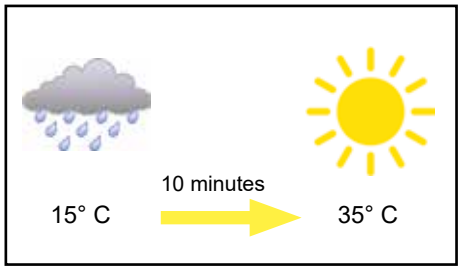
La garantie de BEL Lighting ne couvre pas la condensation, sauf s'il est avéré que l'infiltration d'eau est due à un défaut de la lampe.
En cas de condensation, vous devez vérifier ce qui suit :
- La lampe est-elle correctement installée ?
- Les joints sont-ils étanches et les vis et le verre sont-ils suffisamment bien serrés ?
- S'il s'agit de bornes, il se peut que l'humidité remontant du sol soit à l'origine de la formation de la condensation.

Sur la plupart de nos bornes et appliques, nous utilisons des verres «sablés fin», ce qui a pour conséquence de rendre visible les gouttes d'eau dues à la condensation (voir photo) et de rendre le verre plus transparent.

Il est recommandé lors de l'installation de:
- Réaliser le montage et le câblage par temps très sec
- Vérifier l'état de serrage de toutes les parties à serrage et des presse-étoupes
- Bien respecter les recommandations pour le câblage en extérieur

En cas de doute, référez-vous toujours à un professionnel.





L’ENTRETIEN

Un nettoyage régulier est recommandé avec les produits appropriés pour préserver l’apparence et l’intégrité de la surface des luminaires.

Ne jamais employer des produits de nettoyage agressifs ou des solutions chimiques qui risquent d’attaquer la surface.

Nous recommandons l’utilisation d’un chiffon humide (microfibre de préférence) ou peau de chamois pour l’entretien et le nettoyage des parties en inox, laiton ou cuivre.

Lors de l’entretien, si vous constatez:
- Un verre de protection cassé, fissuré ou décollé
- Une dégradation du câble d’alimentation
- un joint dégradé

Alors le luminaire est inutilisable et les pièces endommagées doivent faire l’objet d’une réparation exclusivement avec des pièces de rechange d’origine.

Exemples de luminaires avant et après nettoyage:

INOX
Avant nettoyage

INOX
Après nettoyage

INOX

LAITON

Materialien

Edelstahl 304L oder 316L

Der Edelstahl ist ein einzigartiges Material mit einer außergewöhnlichen Widerstandskraft und einfachen Wiederverwertbarkeit. Die funktionellen Werte und der wirtschaftliche Wert des Inox Stahls eignen sich nicht nur für den Einsatz in wichtigen und prestigeträchtigen Industrieprojekten sondern auch für jegliche andere Industriezweige (Automobil, Lebensmittel….) Inox kann jahrzehntelang unverändert bleiben bevor er irgendeiner Verarbeitung unterzogen wird. Außer der extremen Widerstandsfähigkeit gegen Korrosion (Rosten), erfüllt er auch die Anforderungen aller mechanischen und thermischen Widerständskräfte. Inox reagiert auf Sauerstoff indem er eine resistente Schutzmembran entwickelt. Der 304L rostfreie Stahl kann Oxidierungsflecken aufweisen, welche aber durch Reinigung entfernt werden können. Seine Nickel- und Chrombestandteile erhöhen grundsätzlich seine Korrosionsresistenz. Vorsicht, Inox der durch Instrumente wie Drehzahlmesser, CNC (computergestützte numerische Steuerung) etc. verarbeitet wird, magnetisiert durch elektrische Ladung, die im Laufe der Behandlung durch Reibung entsteht. Optisch betrachtet zählt Inox zu den schönsten Materialien, bekannt für sein haltbares Design hat er einen hohen Stellenwert bei Architekten und Dekorateuren. Da er leicht kombinierbar ist, gehört er zu den Ausnahmematerialien.

Gedrehte Edelstahl 304L Produkte - gebürstet (Farbcode = 04):
Sie können im Innen- und Außenbereich verwendet werden, sollten jedoch nicht in einer verschmutzten Atmosphäre (Industriezone, Hafen, Schwimmbecken, chemische Industrie, Scheune usw.) aufgestellt werden. Der Ort Ihres Projekts muss mehr als 20 km von der Küste entfernt sein.

Für eine optimale Installation in aggressiven Umgebungen bieten wir:
- Hohe Version (Code = 04EP) = Edelstahl 304L gebürstet + Elektropolieren
Zögern Sie nicht, nach einem persönlichen Angebot zu fragen

Gedrehtes Edelstahl 316L - gebürstet (Farbcode = 16):
Sie können in aggressiven Umgebungen (am Meer, am Pool usw.) verwendet werden, aber seien Sie vorsichtig, dies schließt das Auftreten von Rostflecken nicht aus, wenn die Leuchte nicht regelmäßig gewartet wird (insbesondere in chlorierten Umgebungen und jodiert, oder wenn die Produkte sind) Unwetter ausgesetzt)

Für eine optimale Installation in aggressiven Umgebungen bieten wir:
- High + Version (Code = 16EP) = Edelstahl 316L gebürstet + Elektropolieren
Zögern Sie nicht, nach einem persönlichen Angebot zu fragen.

Inox-Stahl Elektropolierung

Edelstahl (304L oder 316L), das in einer Meeresumgebung (bis zu 20 km vom Meer entfernt) installiert wird, ist dazu verdammt, stumpf zu werden. Schmutz und andere mikroskopisch kleine, mit Eisen beladene Stäube können gespeichert werden und mit den Salzen des Meeressprays gemischt werden und ihre Oxidation zu Rostflecken beschleunigen.
Nach der Elektropolierbehandlung können Staub und Sprühnebel nicht mehr gelagert werden. Diese rein elektrochemische Behandlung entfernt Verunreinigungen und Eisen und reduziert die Oberfläche durch Mikroentgraten. Die Oberfläche, glatter und reicher an Chrom, erhält einen brillanten Glanz und eine optimale und dauerhafte Korrosionsbeständigkeit.

Dieses Verfahren erhöht die Korrosionsresistenz und wird in der chemischen- und pharmazeutischen Industrie eingesetzt, bei äußeren und architektonischen Anwendungen, Booten und Jachten, Schwimmbädern, im maritimen Bereich und anderen Anwendungen die von Lochfraß betroffen sind. Zögern Sie nicht ein individuelles Angebot anzufordern. Dieses Verfahren läßt sich mit der Mehrheit der Inox Leuchten 304L oder 316L durchführen.

Kupfer

Gold und Kupfer sind die einzigen Metalle mit natürlichen Farben. Die natürliche Farbe des Kupfers geht ins Rötliche, was einen metallischen Schimmer hervorbringt wenn es glänzt. Das Kupfer hat eine thermische und elektrische Leitungsfähigkeit, besitzt eine exzellente Resistenz gegen Wassererosion, im maritimen Umfeld und gegen organische Säure. Es weist keine magnetischen Eigenschaften auf. Als Selbstschutz entwickelt das Kupfer eine natürliche Schicht in braun-grüner Farbe wenn es den äußeren Witterungen ausgesetzt ist.

Messing

Es handelt sich um die Legierung aus Kupfer und Zink. Das Messing ist härter als Kupfer und hat einen natürlichen gelblichen Farbton. Das Messing entwickelt eine natürliche braun-schwarze Farbschicht an der Oberfläche um sich vor der Korrosion zu schützen wenn es den äußeren Witterungen ausgesetzt ist.

Aluminum (Serie 6000)

Für die Legierung von Aluminium, Silicium und Magnesium nutzen wir hauptsächlich für unsere Produktion Profilstahl in unterschiedlichem Umfang der Serie 6000. Das Aluminium besitzt gute Leitungsfähigkeiten, allerdings auch eine außergewöhnliche Resistenz gegen Lufterosion.

Aluminiumverarbeitung

- **Eloxierung** : ist die Umwandlung der Oberfläche des Aluminiums und die Schaffung einer künstlichen Oxidschicht. Der Prozess wird unter kontrollierten Bedingungen durchgeführt und daher ist diese Oxidschicht sehr beständig und hart, um das Aluminium zu schützen.
Bei allen unseren Produkten mit dem Farbcode «32» führen wir eine Standardanodisierung von **15 microns** durch.

Für eine optimale Installation in aggressiven Umgebungen bieten wir:
Doppelte klare Eloxierung (Code = 32D) oder Schwarz eloxiert (Code = 02A): **20+ microns «sea side»**
Diese doppelte Eloxierung wird für die Installation in aggressiven Umgebungen (am Meer, Pool usw.) empfohlen.

Andere Farben mit **20+ microns «sea side»** Eloxierung sind Bronze (33), Mattgold (34), Grün (35) und Burgunderrot (36).

Zögern Sie nicht, nach einem persönlichen Angebot zu fragen.

Farbabweichungen bei Leuchten aus eloxiertem Aluminium
Unsere Leuchten mit eloxierter Aluminiumoberfläche werden mit höchster Sorgfalt hergestellt, um sowohl ästhetische Ansprüche als auch Langlebigkeit zu gewährleisten. Es ist jedoch wichtig zu beachten, dass es zu leichten Farbabweichungen kommen kann, selbst bei einer einzelnen Leuchte. Diese Unterschiede sind ein natürliches Ergebnis des Eloxalverfahrens, bei dem das Material je nach Dicke der Eloxalschicht oder der Lichtstreuung unterschiedlich reagiert. Diese Variationen tragen zur Authentizität und zum einzigartigen Charakter jeder Leuchte bei. Wenn Sie Fragen haben oder weitere Informationen zur Oberflächenbehandlung unserer Produkte wünschen, stehen wir Ihnen gerne zur Verfügung.

- **Eletrostatische Lackierung:** Es ist eine Polyester-Farbschicht. Die Vorstufe ist die Beschichtung des Metalls mit einer mehrstufigen Vollchromat-Beschichtung, um es noch widerstandsfähiger gegen Erosion zu machen.
BEL LIGHTING verwendet hauptsächlich AkzoNobels extrem haltbare Polyesterfarben, die für die Außenarchitektur entwickelt wurden und eine hohe Wetterbeständigkeit und langfristige Farbstabilität erfordern.

Stein aus Belgien

Dieser Stein stammt aus Belgien und wird seit über 300 Jahren im Bauwesen der belgischen Geschichte eingesetzt. Es handelt sich also um ein Stück belgische Geschichte die die Designer von Bel-Lighting in ihre Produktion übernommen haben.

Der Blaustein besteht aus einer unersetzbaren Materie mit einer ganz besonderen Qualität und gewinnt, so wie das Holz, mit der Zeit an Wert: Die Erosion und die Patina tragen zur Verschönerung bei.

Unsere Leuchten tragen die Aufschrift „wahrer Blaustein aus Belgien-Hennegau“ mit der technischen Zulassung und dem vom U.B.A.t.c. (Belgischer Verband für technische Zulassungen im Bauwesen) ausgestellten Zertifikat.

EMPFEHLUNGEN FÜR OUTDOOR VERKABELUNG

Die Montage und der Anschluss der Leuchten müssen durch einen qualifizierten Techniker erfolgen.

Bodeneinbauleuchten

DIE VERBINDUNG

Leuchten müssen von einem qualifizierten Techniker/Elektriker installiert und angeschlossen werden.
Damit diese in den Boden eingelassen werden können, müssen Sie diese natürlich an das Stromnetz angeschlossen werden
Diese Verbindung muss vor Feuchtigkeit geschützt sein, die durch den IP - Wert (International Protection). Dieser Wert besteht aus zwei Ziffern: die erste Ziffer bezeichnet den Schutz gegen feste Objekte und die zweite Ziffer, Schutz gegen Wasser und Feuchtigkeit.

Bodeneinbauleuchten werden oft an Orten mit schlechtem Wetter installiert, daher ist es unerlässlich:
- Wählen Sie eine Verbindungslösung mit der Schutzart IP68.
- Um den Kabelmantel und nicht die Leiter abzudichten.
- Verwenden Sie einen Einbautopf, wenn Sie im Boden installiert sind.

Zu vermeidende Fehler:
- Verwendung von nicht resistenten IP20-Steckverbindern (Foto 1) oder Klebeband (Foto 2).
- Die wasserdichte Verbindung erfolgt nicht am Kabelmantel, sondern an den Leitern (Fotos 3 und 4).
- Das Harz oder das Isoliergel ist nicht richtig gegossen (Foto 5).

Eine schlechte Dichtung, auch nur teilweise, erzeugt über das Kabel einen Anstieg des Wassers im Produkt. Dieses Phänomen des aufsteigenden Wassers durch «Kapillarität» schädigt die elektrischen Bauteile.

1

2

3

4

5

IP68 BYPASS BOX

Der sicherste Weg, um eine wasserdichte IP68-Verbindung zu erreichen, ist die Verbindung mit einer Box und diese mit Harz füllen. Diese Art von Elektroisoliergel besteht aus zwei Harzen zu mischen (wir sprechen von Zweikomponenten-Isoliergel). Das Harz, das in der Anschlussdose fließt, stellt sicher, dass die Verbindung und Ihr Produkt total geschützt wird gegen Wasser.

Es ist auch möglich, abgedichtete Steckverbinder mit Kabelverschraubungen anzuschließen. Dies ist jedoch eine weniger sichere Lösung, die Gefahr des Eindringens von Wasser besteht nicht.

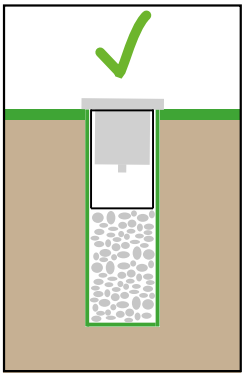
Sobald die Verbindung zur Anschlussdose hergestellt ist und Sie Ihre Spots mehrmals getestet haben, können Sie das Harz in die Anschlussdose gießen. Vergessen Sie nicht, Tests durchzuführen, denn wenn das Harz erstarrt ist, kann keine Korrektur gemacht werden!

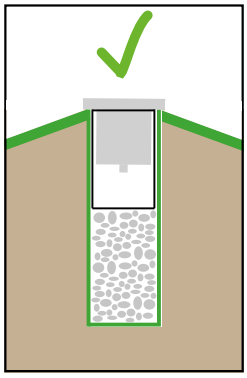
VERDICHTETER ANSCHLUSS

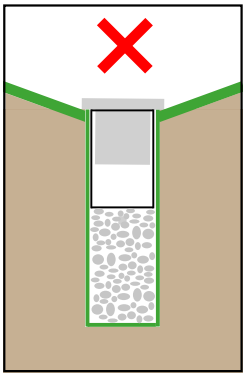
Dieser Stecker mit Kabelverschraubungen kann in der Aussparung oder unter einem Holzboden verwendet werden, um eine IP68 wasserdichte Verbindung zwischen 2 oder 3 flexiblen Gummikabeln des Typs H07RN-F oder gleichwertig. Sobald die Verbindung hergestellt wurde, hat dieser Anschluss den Vorteil, dass er vollständig entfernbar ist.

LAGE

Bodenstrahler mit einer Schutzart von weniger als IP68 dürfen niemals in Hohlräumen installiert werden, sondern auf einer flachen oder erhöhten Fläche.



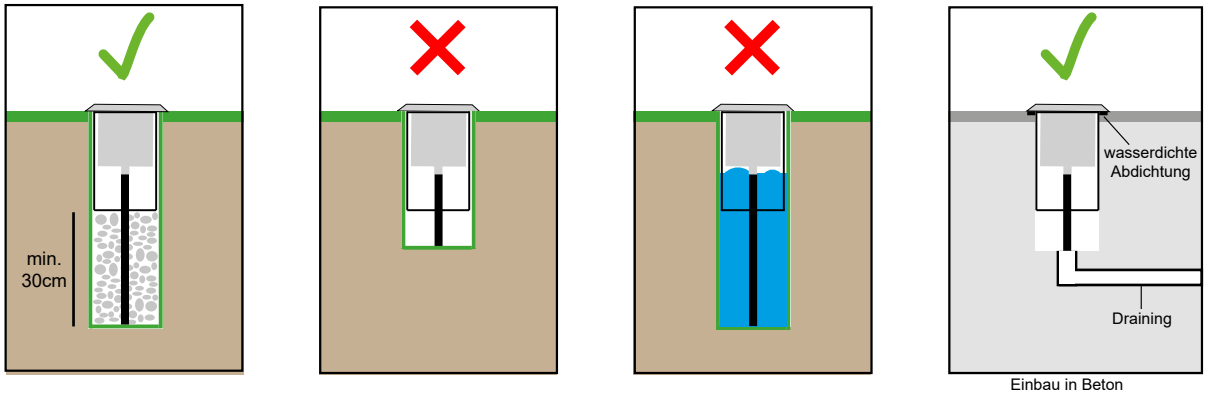




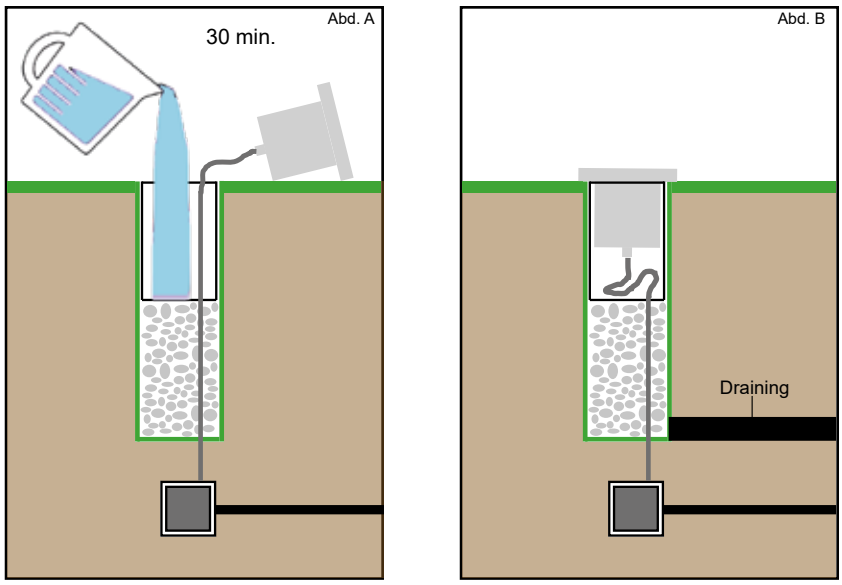
ENTWÄSSERUNG

IP68 leuchten:
Entwässerung ist nicht notwendig, aber es ist wichtig zu wissen, dass diese Armaturen eingetaucht werden sollen permanent nur in klarem Wasser. Sie sind nicht dazu bestimmt, in chloriertes Wasser, Meerwasser oder Wasser eingetaucht zu werden oder andere aggressive Umgebung.

IP67 leuchten:
Um eine gute Entwässerung zu gewährleisten, installieren Sie bitte eine Kiesschicht mit einer Tiefe von mindestens 30 cm unter dem Topf Montage der Leuchte.



Wir empfehlen folgenden Test durchzuführen:
Füllen Sie die Vertiefung mit Wasser (Abb.A) und vergewissern Sie sich, das in 30 Minuten das Wasser abgelaufen ist.
Andermal ist eine zusätzlich Drainage erforderlich. (Abb.B)



WICHTIG

Um eine gute Abdichtung der Kabelverschraubung zu gewährleisten IP68, es ist wichtig, eine ausreichende Länge und zu gewährleisten das Kabel nicht direkt aus der Kabelverschraubung herausziehen

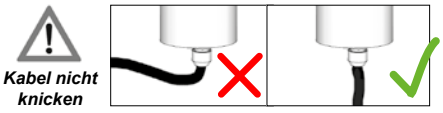
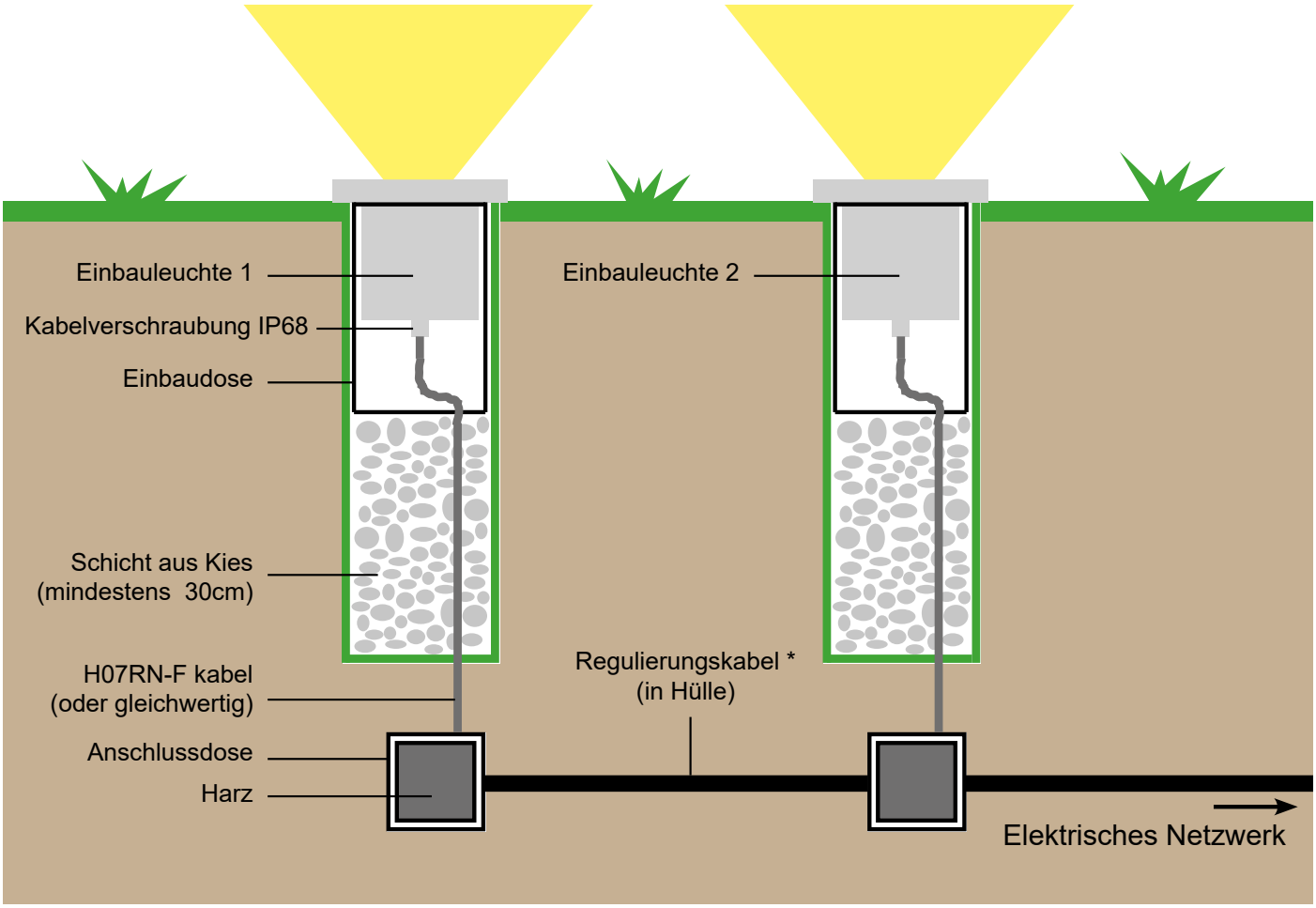


ABBILDUNG EINER VERBINDUNG



* siehe nationale Vorschriften.

DAS KABEL

Um die Dichtheit der Verbindung zu gewährleisten, verwenden Sie bei wasserdichten Steckern oder Anschlussdosen ein flexibles Gummikabel H07RN-F oder gleichwertig. Ein flexibles Gummikabel ist viel einfacher gegen Wasser abzudichten. Wenn der Wirbel des Bodenfleckes ist am Kabel befestigt, fungiert der Gummi-Kabelmantel als Tülle. Heutzutage wird das Kabel oft schon an der Bodenstelle. In diesem Fall benötigen Sie kein separates Kabel.
Achtung: Wenn ein Kabel am Boden angebracht ist, entfernen Sie es nicht! Dadurch verlieren Sie Ihre Garantie.

INTEGRATION IN EINEN HOLZBODEN ODER TERRASSE

Das Bohren der Holzbalken erfolgt auf dem empfohlenen Bohrdurchmesser (siehe Produktblatt, Handbuch, etc ...). Die Tiefe unter dem Boden muss es ermöglichen, den Spot und die wasserdichten Verbindungen einzubetten. Es muss auch sichergestellt werden, dass genügend Platz vorhanden ist, unter der Aussparung, um ein Stagnieren des Wassers zu verhindern und das Kabel nicht direkt am Ausgang der Kabelverschraubung zu «biegen». Andernfalls muss eine Drainage gemacht werden.

WASSER KONDENSATION

Mit Ausnahme einer Ursache aufgrund einer schlechten Verbindung ist es vor allem ein natürliches Phänomen.

Die Hauptursache ist die Montage der Leuchten in einer feuchten Atmosphäre, wobei das Produkt so dicht ist, dass sobald der Sättigungspunkt erreicht ist, das Wasser kondensiert. Wenn warme, feuchte Luft in Kontakt mit der Kälte kommt, wird das Wasser in der Leuchte zu Kondenswasser. Wann das Wasser verdunstet, es entsteht ein aufsteigender Wasserdampf, der die elektrischen Komponenten beeinflussen kann. Manchmal dieses Wasser Dampf kann dazu führen, dass die elektrische Anlage auslös

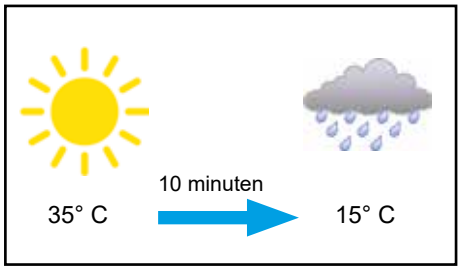
Eine schnelle Temperaturänderung erzeugt auch eine Druckdifferenz, die Kondensation verursachen kann.
Druck, Temperatur und Feuchtigkeit der Luft sind in einem konstanten Zustand der Veränderung und dies hat einen nicht unbedeutenden Effekt. Egal ob durch die Dichtheit der Leuchte ergeben sich unterschiedliche Druckverhältnisse zwischen dem Innenraum des Gehäuses und der Umgebung verursacht den Transport der Luft, die in der Leuchte kondensiert.

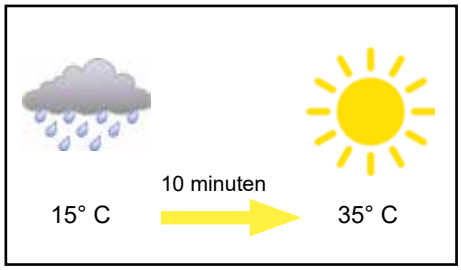
Die Garantie von BEL Lighting deckt keine Kondensation ab, es sei denn, es wurde nachgewiesen, dass die Wasserinfiltration auf einen Defekt des Geräts zurückzuführen istBei Kondensation müssen Sie folgende Punkte überprüfen:
- Ist die Lampe richtig installiert?
- Sind die Dichtungen abgedichtet und die Schrauben und das Glas fest genug?
- Bei Pollern ist es möglich, dass die vom Boden kommende Feuchtigkeit die Ursache für die Bildung von Kondenswasser ist.

Bei den meisten unserer Poller und Wandleuchten verwenden wir «sandgestrahlte» Gläser, die die Wassertropfen sichtbar machen, aufgrund von Kondensation (siehe Foto) und machen das Glas transparenter.

Es wird empfohlen, bei der Installation:
- Realisieren Sie Montage und Verdrahtung bei sehr trockenem Wetter
- Überprüfen Sie den Anzugszustand aller Klemmteile und Kabelverschraubungen
- Beachten Sie die Empfehlungen für die Außenverdrahtung

Wenn Sie Zweifel haben, wenden Sie sich immer an einen Fachmann.





INSTANDHALTUNG

Bei geeigneten Produkten wird eine regelmäßige Reinigung empfohlen, um das Erscheinungsbild und die Integrität der Leuchtenoberfläche zu erhalten.Verwenden
Sie niemals scharfe Reinigungsmittel oder chemische Lösungen, die die Oberfläche angreifen könnten.

Wir empfehlen die Verwendung eines feuchten Tuches(Mikrofaser vorzugsweise) oder Chamoisleder für die Wartung und Reinigung von Teilen in Edelstahl, Messing oder Kupfer.

Wenn Sie während der Wartung Folgendes finden:
- Ein gebrochenes, gerissenes oder nicht entferntes Schutzglas
- Verschlechterung des Stromkabels
- ein verschlechtertes Siegel

Dann ist die Leuchte unbrauchbar und die beschädigten Teile müssen nur mit Original-Ersatzteilen repariert werden.

Beispiele für Leuchten vor und nach der Reinigung:

Edelstahl
Bevor gereinigt

Edelstahl
Nach gereinigt

Edelstahl

Messing

ΠΡΩΤΕΣ ΥΛΕΣ

Ανοξείδωτος χάλυβας 316L - 304L

Ο ανοξείδωτος χάλυβας είναι ένα μοναδικό υλικό εξαιρετικής αντοχής και εύκολα ανακυκλώσιμο. Η λειτουργικότητά του και η νομισματική του αξία επιτρέπει να χρησιμοποιείται όχι μόνο για μείζονος κύρους βιομηχανικά έργα, αλλά και για κάθε μορφή βιομηχανίας (αυτοκίνητο, τρόφιμα, ...). Ο ανοξείδωτος χάλυβας μπορεί να παραμείνει αμετάβλητος για δεκαετίες, πριν υποβληθεί σε οποιαδήποτε συντήρηση. Εκτός από την εξαιρετική αντίσταση στη διάβρωση, ικανοποιεί τις απαιτήσεις μηχανικής αντοχής και θερμικής καταπόνησης. Ο ανοξείδωτος χάλυβας προστατεύει τον εαυτό του αντιδρώντας στο ατμοσφαιρικό οξυγόνο δημιουργώντας μια ισχυρή προστατευτική διάφανη μεμβράνη. Το ανοξείδωτο 304L μπορεί να παρουσιάσει σημεία οξείδωσης (καφέ-κόκκινα στίγματα), τα οποία εξαφανίζονται με τον καθαρισμό. Η περιεκτικότητά του σε νικέλιο και χρώμιο είναι που αυξάνει, κυρίως, την αντοχή του στη διάβρωση. Προσοχή, ο ανοξείδωτος χάλυβας που έχει υποβληθεί σε επεξεργασία με όργανα όπως τόρνοι, CNC, κλπ. μαγνητίζει λόγω των ηλεκτρικών φορτίων που αναπτύχθηκαν κατά τη διάρκεια της κατεργασίας λόγω τριβής. Οπτικά, ο ανοξείδωτος χάλυβας είναι ένα από τα πιο όμορφα υλικά. Το φινίρισμά του, η ανθεκτικότητά του και η δυνατότητα επεξεργασίας του τον καθιστά το πλέον αγαπημένο υλικό σε αρχιτέκτονες και διακοσμητές.

Προϊόντα από ανοξείδωτο χάλυβα 304L (κωδικός χρώματος = 04):
Μπορούν να χρησιμοποιηθούν σε εσωτερικούς και εξωτερικούς χώρους, αλλά δεν πρέπει να τοποθετούνται σε μολυσμένη ατμόσφαιρα (Βιομηχανική Ζώνη, λιμάνι, πισίνα, χημική βιομηχανία κλπ.). Ο τόπος του έργου σας πρέπει να βρίσκεται σε μεγάλη απόσταση από την ακτή και το ποσοστό υγρασίας θα πρέπει να παραμένει χαμηλό. Τα φωτιστικά θα πρέπει πάντα να συντηρούνται, και μάλιστα σε τακτά διαστήματα, με την ειδική αλοιφή, που προτείνει η εταιρεία μας (Poli INOX) και την οποία μπορείτε να δείτε στον κατάλογο.

Τα προϊόντα από ανοξείδωτο χάλυβα 316L (κωδικός χρώματος = 16):
Μπορούν να χρησιμοποιηθούν σε επιθετικά περιβάλλοντα (παραθαλάσσια, δίπλα στην πισίνα κ.λπ.), αλλά προσέξτε, αυτό δεν αποκλείει την εμφάνιση Μερικής οξείδωσης, εάν το φωτιστικό δεν συντηρείται τακτικά (ειδικά σε χλωριωμένα και ιωδιωμένα περιβάλλοντα ή εάν τα προϊόντα εκτίθενται σε έντονα καιρικά φαινόμενα).
Γιατί προτιμάτε τον ανοξείδωτο χάλυβα 316L με γυαλιστερό/γυαλισμένο φινίρισμα σε επιθετικά περιβάλλοντα;
Η απάντηση βρίσκεται στο ότι αυτού του είδους το βούρτσισμα, που δίνει αυτή την όψη γυαλισμένου (καθρέπτη) στον ανοξείδωτο χάλυβα, δεν επιτρέπει στη σκόνη να φωλιάσει στους πόρους του ανοξείδωτου, όπως συμβαίνει με το συμβατικό βούρτσισμα, που του χαρίζει ματ. Η βρωμιά και η μικροσκοπική σκόνη εμπλουτισμένη με σίδηρο μπορεί να αποθηκευτεί στους πόρους, που δεν κλείνουν πλήρως στο ματ φινίρισμα, και έτσι να αναμιχθεί επίσης με τα άλατα του θαλάσσιου περιβάλλοντος, με αποτέλεσμα να επιταχυνθεί η οξείδωση και η εμφάνιση στιγμάτων. Το γυαλιστερό φινίρισμα τύπου καθρέφτης δημιουργεί μια εντελώς λεία επιφάνεια, στην οποία η σκόνη και οι ρίποι δεν μπορούν να αποθηκευτούν.

Για βέλτιστη εγκατάσταση σε επιθετικά περιβάλλοντα, προσφέρουμε διαφορετικές λύσεις:
- βασική έκδοση (κωδικός χρώματος = 16) = βουρτσισμένος ανοξείδωτος χάλυβας 316L
- Μεσαία έκδοση (κωδικός χρώματος = 16G) = γυαλισμένο με καθρέφτη 316L ανοξείδωτο ατσάλι (γυαλιστερό)
- Υψηλή έκδοση + (κωδικός χρώματος = GEP) = γυαλιστερό καθρέφτη 316L από ανοξείδωτο χάλυβα (γυαλιστερό) + ηλεκτρο-στίλβωση
Μην διστάσετε να ζητήσετε εξατομικευμένη προσφορά για τις εκδόσεις «Μεσαία» και «Υψηλή».

Ηλεκτρο-στίλβωση ανοξείδωτου ατσαλιού

Ο ανοξείδωτος χάλυβας (304L ή 316L) εγκατεστημένος σε θαλάσσιο περιβάλλον είναι πολύ πιθανό να παρουσιάσει σημεία οξείδωσης σύντομα. Αυτή η καθαρά ηλεκτροχημική επεξεργασία αφαιρεί τις ακαθαρσίες και μειώνει την επιφάνεια με μικροδιαβροχοποίηση.
Η επιφάνεια, ομαλότερη και πλουσιότερη σε χρώμιο, επιτυγχάνει μια λάμψη, αλλά και βέλτιστη και ανθεκτικότητα στη διάβρωση.

Αυτή η διαδικασία αυξάνει την ανθεκτικότητα του υλικού στη διάβρωση. Χρησιμοποιείται κυρίως στη χημική και φαρμακευτική βιομηχανία, καθώς και σε εξωτερικές και αρχιτεκτονικές εφαρμογές, όπως σκάφη, yachts, πισίνες και γενικά σε υδάτινο περιβάλλον.
Μη διστάσετε να επικοινωνήσετε μαζί μας, για να μάθετε περισσότερα και να δείτε σε ποια από τα προϊόντα μας μπορεί να πραγματοποιηθεί αυτή η ιδιαίτερη επεξεργασία.

Ορείχαλκος

Ο ορείχαλκος είναι ένα κράμα χαλκού και ψευδαργύρου. Το μέταλλο αυτό είναι πιο σκληρό από τον χαλκό και έχει φυσική κιτρινωπή εμφάνιση. Ο ορείχαλκος δημιουργεί ένα φυσικό στρώμα μαύρο-καφέ στην επιφάνειά του, για να προστατεύεται από τη διάβρωση όταν εκτίθεται σε εξωτερικό περιβάλλον.

Αλουμίνιο (σειρά 6000)

Πρόκειται για κράμα αλουμινίου πυριτίου και μαγνησίου, το οποίο χρησιμοποιούμε κυρίως για τα προφίλ, σε διαφορετικό πάχος, στην παραγωγή μας. Παρουσιάζει εξαιρετική αντίσταση στην ατμοσφαιρική διάβρωση και έχει μια Ραφιναρισμένη όψη.

Επεξεργασίες στο αλουμίνιο

- **Ανοδείωση :** είναι η μετατροπή της επιφάνειας του αλουμινίου και η δημιουργία ενός τεχνητού στρώματος οξειδίου.
Η διαδικασία γίνεται υπό απόλυτα ελεγχόμενες συνθήκες και έτσι αυτό το στρώμα οξειδίου είναι απολύτως ανθετκικό και σκληρό για την προστασία του αλουμινίου.

Προτείνουμε 2 λύσεις:
- απλή ανοδίωση (κωδικός = 32): **15 microns**
- διπλή ανοδίωση (κωδικός = 32D) ή μαύρη ανοδίωση (κωδικός = 02A) : **20+ microns «sea side»**
Αυτή η διπλή ανοδίωση συνιστάται για εγκατάσταση σε επιθετικά περιβάλλοντα (παραθαλάσσια, δίπλα στην πισίνα, κ.λπ.)

Άλλα χρώματα με ανοδίωση **20+ microns «sea side»** είναι το μπρονζέ (33), χρυσό ματ (34), πράσινο (35) και μπορντό (36).

Μην διστάσετε να ζητήσετε μια εξατομικευμένη προσφορά.

Χρωματικοί τόνοι σε φωτιστικά από ανοδιωμένο αλουμίνιο
Τα φωτιστικά μας, με επεξεργασία ανόδιωσης, κατασκευάζονται με μεγάλη προσοχή, προκειμένου να εξασφαλίσουν τόσο την αισθητική όσο και τη μακροβιότητά τους. Είναι σημαντικό να σημειώσουμε ότι ενδέχεται να παρατηρηθούν ελαφρές διαφοροποιήσεις στον χρωματικό τόνο, ακόμα και στο ίδιο φωτιστικό. Αυτές οι διαφορές είναι αποτέλεσμα της διαδικασίας της ανοδίωσης, καθώς κάθε εξάρτημα μπορεί να έχει άλλο πάχος ή σύσταση. Έτσι η γνησιότητα των υλικών αποτυπώνεται στις ανεπαίσθητες διαφοροποιήσεις, που προσδίδουν έναν μοναδικό χαρακτήρα σε κάθε φωτιστικό. Εάν έχετε οποιαδήποτε ερώτηση ή χρειάζεστε περισσότερες πληροφορίες σχετικά με την επεξεργασία των προϊόντων μας, μην διστάσετε να επικοινωνήσετε μαζί μας.

- **Ηλεκτροστατική βαφή :** είναι ένα στρώμα πολυεστερικού χρώματος. Προηγείται η απολάδωση και επίστρωση με ειδικό αστάρι, πριν ξεκινήσουν τα πολλαπλά στάδια βαφής, ώστε να είναι ακόμα πιο ανθεκτική η όψη του στη διάβρωση.
Η BEL LIGHTING χρησιμοποιεί ανθεκτικά χρώματα πολυεστέρα από της AkzoNobel, σχεδιασμένα για αρχιτεκτονική εξωτερικών χώρων, όπου απαιτείται υψηλό επίπεδο αντοχής στις καιρικές συνθήκες και μακροχρόνια σταθερότητα χρώματος.

Μάρμαρο Βελγίου

Στο Βέλγιο έχει χρησιμοποιηθεί για πάνω από 300 χρόνια στην κατασκευή κτηρίων. Η βελγική αυτή πέτρα είναι μέρος της βελγικής ιστορίας, που οι σχεδιαστές της Bel-Lighting επέλεξαν να χρησιμοποιήσουν στην κατασκευή των υλικών της.
Η μπλε πέτρα είναι ένα αναντικατάστατο υλικό εξαιρετικής ποιότητας και, όπως το ξύλο, αυξάνει την αξία της συν το χρόνο:
η διάβρωση και η πατίνα που δημιουργούνται συνεχίζουν να την ομορφαίνουν.
Τα φωτιστικά μας φέρουν την ετικέτα «True Belgian Blue Stone of Hainaut» με την τεχνική έγκριση και το πιστοποιητικό που έχει χορηγηθεί από το U.B.A.t.c.

Χαλκός

Μαζί με τον χρυσό, ο χαλκός είναι το μόνο μέταλλο σε φυσικό χρώμα. Η φυσική εμφάνιση αυτού του μετάλλου έχει ένα κόκκινο χρώμα ,που του δίνει μια ιδιαίτερη λάμψη. Έχει θερμική και ηλεκτρική αγωγιμότητα και εξαιρετική αντοχή στη διάβρωση του νερού, σε περιβάλλον θαλάσσια και οργανικά οξέα. Δεν έχει μαγνητικά χαρακτηριστικά. Ο χαλκός προστατεύει τον εαυτό του αναπτύσσοντας ένα στρώμα οπτικά καφέ-πράσινο, μια πατίνα, όταν εκτίθεται στο εξωτερικό περιβάλλον.

ΣΥΣΤΑΣΕΙΣ ΓΙΑ ΤΗΝ ΕΞΩΤΕΡΙΚΗ ΣΥΝΔΕΣΗ

Η συναρμολόγηση και η σύνδεση των φωτιστικών πρέπει να γίνεται από εξειδικευμένο τεχνικό.

Φωτιστικά δαπέδου

ΣΥΝΔΕΣΗ

Τα φωτιστικά πρέπει να εγκατασταθούν και να συνδεθούν από ειδικευμένο τεχνικό.
Για να λειτουργήσει το προϊόν σας, πρέπει φυσικά να το συνδέσετε στο ρεύμα. Η σύνδεση του καλωδίου του στεγανού φωτιστικού με το ρεύμα θα πρέπει να γίνει με στεγανό διακλαδωτή, όπως καθορίζεται από την τιμή IP (International Protection) του προϊόντος. Η τιμή στεγανότητας αποτελείται από δύο ψηφία: το πρώτο ψηφίο δηλώνει την προστασία από τα στερεά αντικείμενα και το δεύτερο ψηφίο την προστασία από το νερό και την υγρασία.

Τα χωνευτά φωτιστικά δαπέδου τοποθετούνται συχνά σε μέρη που υπόκεινται σε κακές καιρικές συνθήκες, επομένως είναι επιτακτική ανάγκη:
- Να επιλέξετε μια λύση σύνδεσης με βαθμό στεγανότητας IP68.
- Να σφραγίσετε τη εξωτερικό περίβλημα του καλωδίου και όχι τους αγωγούς (κλώνους).
- Να χρησιμοποιήσετε ένα κουτί υποδοχής όταν είναι εγκατεστημένο στο έδαφος.

Σφάλματα προς αποφυγή:
- Χρήση μη συνδεδεμένων υποδοχών IP20 (φωτογραφία 1) ή μονοτικής ταινίας (φωτογραφία 2).
- Η αδιάβροχη σύνδεση δεν γίνεται πάνω στο περίβλημα του καλωδίου αλλά πάνω στους αγωγούς (φωτογραφίες 3 και 4).
- Η ρητίνη ή η μονωτική γέλη δεν είναι κατάλληλα χυτευμένη (φωτογραφία 5).

Μια μερική ή κακή μόνωση θα προκαλέσει εισχώρηση του νερού στο προϊόν μέσω του καλωδίου. Αυτό το φαινόμενο της εισροής του νερού από τους κλόνους του καλωδίου καταστρέφει τα ηλεκτρικά εξαρτήματα και δεν επιτρέπει πλέον τη σωστή λειτουργία του προϊόντος.

1

2

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5

IP68 ΣΤΕΓΑΝΟ ΚΟΥΤΙ ΔΙΑΚΛΑΔΩΣΗΣ

Ο ασφαλέστερος τρόπος για να επιτευχθεί μια αδιάβροχη σύνδεση IP68 είναι να συνδεθεί με ένα κητίο, στο οποίο θα τοποθετηθούν τα καλώδια και έπειτα θα συμπληρωθεί με ρητίνη. Αυτός ο τύπος πηκτής ηλεκτρικής μόνωσης συντελείται με τη χρήση δύο διαφορετικών ρητίνων, οι οποίες αναμιγνύονται (μονωτικό πήκτωμα δύο συστατικών). Η ειδική αυτή ρητίνη, που ρίχνεται στο κουτί διακλάδωσης, εξασφαλίζει ότι η σύνδεση και το σημείο γείωσης θα είναι πλήρως προστατευμένα από το νερό και την υγρασία.

Επίσης υπάρχει η δυνατότητα να γίνει η σύνδεση με σφραγισμένους συνδετήρες, οι οποίοι έχουν στεγανούς στυπιοθλίπτες καλωδίων. Ωστόσο, αυτή είναι μια λιγότερο ασφαλής λύση, καθώς το ενδεχόμενο διήθησης του νερού δεν είναι απίθανο.

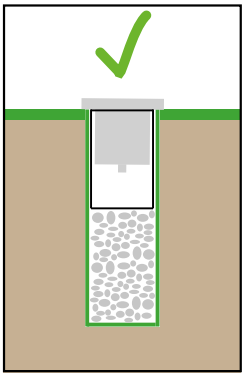
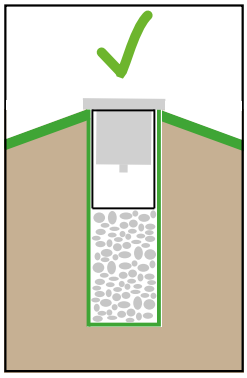
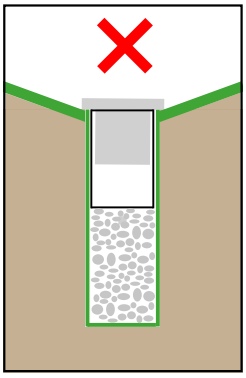
Μόλις γίνει η σύνδεση στο στεγανό κουτί διασκλάδωσης και, αφού έχετε δοκιμάσει το προϊόν σας αρκετές φορές, μπορείτε ρίξετε τη ρητίνη στο κουτί διακλάδωσης. ΠΡΟΣΟΧΗ Μην παραλείψετε την εκτέλεση αυτών των δοκιμών λειτουργίας του φωτιστικού, διότι, μόλις στερεοποιηθεί η ρητίνη, δεν θα υπάρχει η δυνατότητα να τις εκτελέσετε! Η συνδεσμολογία δεν θα μπορεί να τροποποιηθεί!

ΣΤΕΓΑΝΟΣ ΣΥΝΔΕΤΗΡΑΣ (Connector box)

Αυτός ο σύνδεσμος, που αποτελείται από στυπιοθλίπτες καλωδίων, μπορεί να χρησιμοποιηθεί στην εσοχή ξύλινου πατώματος ή κάτω από από αυτό, για να επιτευχθεί μια IP68 αδιάβροχη σύνδεση μεταξύ 2 ή 3 εύκαμπτων ελαστικών καλωδίων τύπου H07RN-F ή ισοδύναμου. Το πλεονέκτημα αυτού του τρόπου μόνωσης της σύνδεσης είναι ότι το εξάρτημα αυτό μπορεί να αφαιρεθεί.

ΤΟΠΟΘΕΣΙΑ

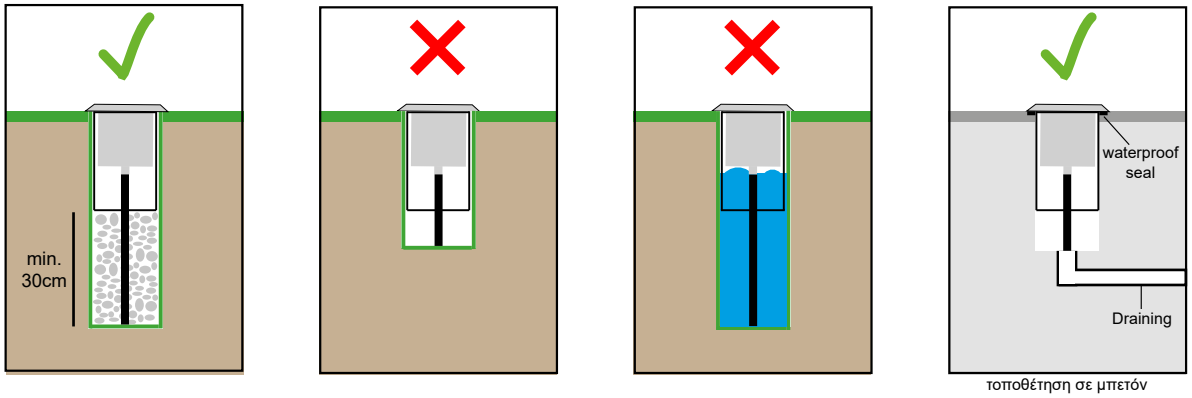
Τα φωτιστικά δαπέδου με βαθμό προστασίας μικρότερο από IP68 δεν πρέπει ποτέ να τοποθετηθετούνται σε κοιλότητες. Τοποθετήστε τα σε επιφάνεια επίπεδη ή ανυψωμένη.

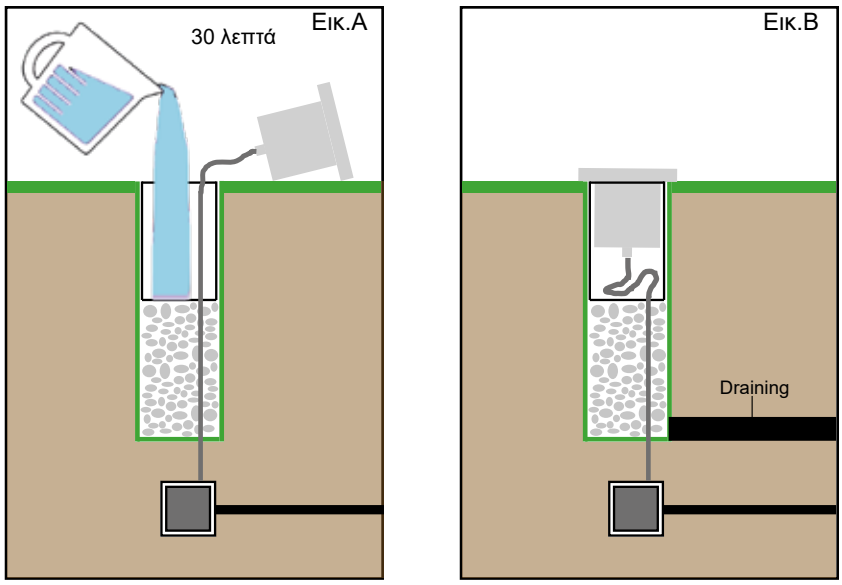
ΠΡΟΣΟΧΗ

Φωτιστικά IP68:
Η αποστράγγιση δεν είναι απαραίτητη, αλλά είναι σημαντικό να γνωρίζουμε ότι αυτά τα εξαρτήματα προορίζονται να βυθιστούν μόνιμα μόνο σε καθαρό νερό (σταθερού pH μη όξινου ή βασικού). Δεν έχουν σχεδιαστεί για να βυθίζονται σε χλωριωμένο νερό, θαλασσινό νερό ή οποιοδήποτε άλλο επιθετικό περιβάλλον.

Φωτιστικά IP67:
Για να διασφαλιστεί η καλή αποστράγγιση, εγκαταστήστε ένα στρώμα από χαλίκι και ελάχιστου βάθους 30cm κάτω από το κιτίο τοποθέτησης του φωτιστικού.

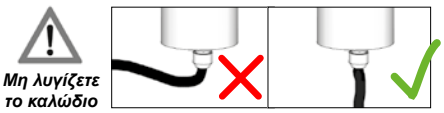


Συνιστούμε να εκτελέσετε την παρακάτω δοκιμή:
Γεμίστε την εσοχή με νερό (Εικ. Α) και βεβαιωθείτε ότι όλος ο όγκος του νερού έχει εξαλειφθεί μέσα σε 30 λεπτά.
Διαφορετικά, απαιτείται πρόσθετη αποστράγγιση (Εικ.Β)

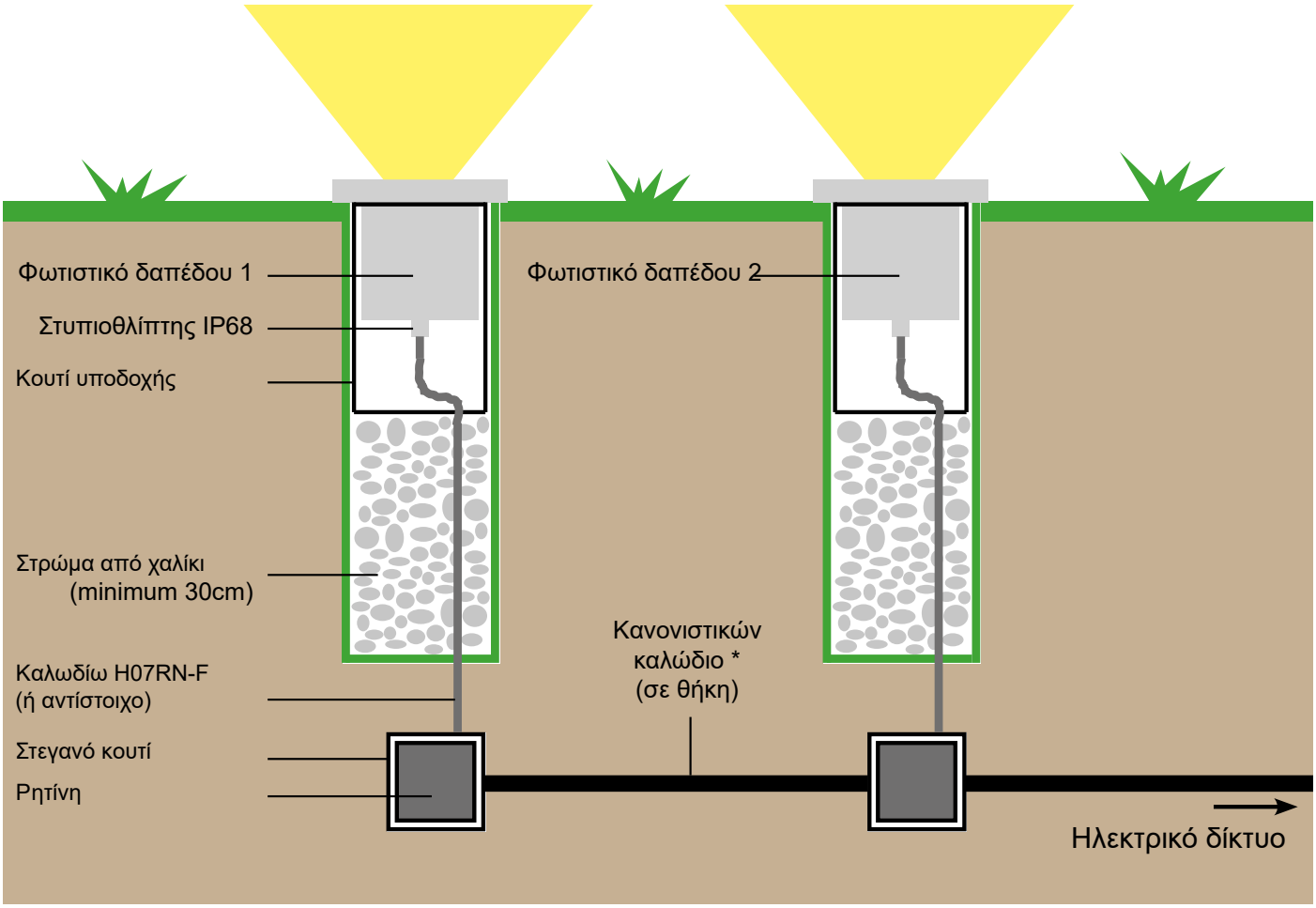


ΣΗΜΑΝΤΙΚΟ

Για να εξασφαλιστεί μια καλή σφράγιση του στυπιοθλίπτη IP68 από τον οποίο εξέρχεται το καλώδιο, είναι σημαντικό να αφήσετε ένα επαρκές μήκος καλωδίου και όχι να διπλώσει το καλώδιο στο σημείο ακριβώς, που βγαίνει από τον στυπιοθλίπτη.



ΕΠΕΞΕΡΓΑΣΙΑ ΣΥΝΔΕΣΗΣ



* δείτε εθνικούς κανονισμούς.

ΤΟ ΚΑΛΩΔΙΟ

Για να εξασφαλιστεί η στεγανότητα της σύνδεσης, με αδιάβροχους συνδέσμους ή στεγανό κουτί διακλάδωσης, είναι απαραίτητο να χρησιμοποιηθεί ένα εύκαμπτο καλώδιο τροφοδοσίας από καουτσούκ τύπου H07RN-F ή αντίστοιχο.
Προσοχή: μην αφαιρείτε ποτέ το εργοστασιακό καλώδιο, το οποίο είναι πάντα προσαρμοσμένο στο φωτιστικό. Διαφορετικά, η εγγύησή σας ακυρώνεται.

ΒΑΘΟΣ ΧΩΝΕΥΣΗΣ ΚΑΛΩΔΙΩΝ ΡΕΥΜΑΤΟΣ

Καταρχάς, θα πρέπει να λάβουμε υπόψιν μας τους εθνικούς κανονισμούς.
Εδώ προτείνουμε:
- Για μια περιοχή, η οποία δεν είναι προσβάσιμη στα αυτοκίνητα: Τα καλώδια θα πρέπει να είναι τοποθετημένα εντός πλαστικών σωλήνων, που θα πρέπει να είναι θαμμένοι σε ελάχιστο βάθος 50 cm.

- Για μια περιοχή προσβάσιμη σε αυτοκίνητα ή σε περίπτωση που τα καλώδια θα τρέχουν κάτω από πεζοδρόμιο: Τα καλώδια θα πρέπει να είναι τοποθετημένα εντός πλαστικών σωλήνων, που θα πρέπει να είναι θαμμένοι σε ελάχιστο βάθος 80 cm.

Τα καλώδια της εγκατάστασης οφείλεται να είναι τοποθετημένα σε θήκη TPC (Σωλήνα Προστασίας Καλωδίων), περίβλημα πολυαιθυλένιου αποτελούμενο από ένα διπλό τοίχος που μπορεί να αντέξει τους κραδασμούς και τη σύνθλιψη.
Για την κάλυψη/θάψιμο των σωλήνων, στους οποίους θα τοποθετηθούν τα καλώδια της εγκατάστασης, πρέπει να χρησιμοποιηθεί χώμα ή άμμος. Σε καμία περίπτωση δεν θα πρέπει καλυφθούν από μεγάλες πέτρες, οι οποίες θα μπορούσαν να φθείρουν τις σωλήνες της εγκατάστασης.

ΕΝΣΩΜΑΤΩΣΗ ΣΕ ΞΥΛΙΝΟ ΔΑΠΕΔΟ

Η διάτρηση του ξύλου, στο οποίο θα τοποθετηθεί το χωνευτό φωτιστικό, θα γίνεται με βάση τη διάμετρο διάτρησης (βλέπε φύλλο προϊόντος, εγχειρίδιο κ.λπ.), την οποία προτείνει η κατασκευάστρια εταιρεία.
Το βάθος κάτω από το ξύλινο δάπεδο πρέπει να επιτρέπει την ενσωμάτωση των σημειακών και αδιάβροχων συνδέσεων. Είναι επίσης απαραίτητο να εξασφαλιστεί η ύπαρξη επαρκούς χώρου κάτω από την εσοχή έτσι ώστε να αποφευχθεί η στασιμότητα του νερού και να μην καμφθεί το καλώδιο ακριβώς στην έξοδο του στηπιοθλίπτη.

ΥΓΡΑΣΙΑ

Με εξαίρεση την περίπτωση μη ορθής σύνδεσης (όπως προβλέπεται από το φύλλο εγκατάστασης), η υγρασία είναι πάνω απ' όλα ένα φυσικό φαινόμενο.

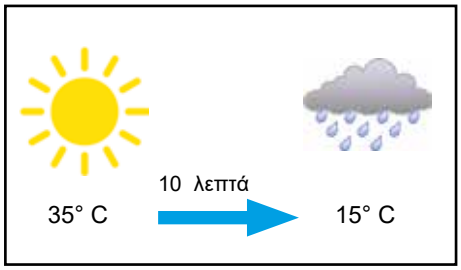
Η κύρια αιτία εμφάνισής της είναι η τοποθέτηση των φωτιστικών σε περιβάλλον με έντονα υγρή ατμόσφαιρα. Δεδομένου ότι το προϊόν να είναι πλήρως στεγανό (βάση αυτού που αναφέρεται λχ IP65/IP67/IP68), δεν επιτρέπει στην υγρασία, που παρεισφρύει κατά την τοποθέτηση να εξέλθει. Ο ζεστός, υγρός αέρας, που εισέρχεται κατά την τοποθέτηση, με την αλλαγή της ατμοσφαιρικής θερμοκρασίας (εναλλαγή ψύχους-ζέστης), παρουσιάζεται στο εσωτερικό του φωτιστικού με τη μορφή υδρατμών (σταγονίδια νερού). Όταν το νερό εξατμίζεται, δημιουργεί έναν αύξοντα υδρατμό που μπορεί επηρεάζουν τα ηλεκτρικά εξαρτήματα. Μερικές φορές, αυτός ο υδρατμός μπορεί να προκαλέσει την εκκένωση του ηλεκτρικού μετρητή.

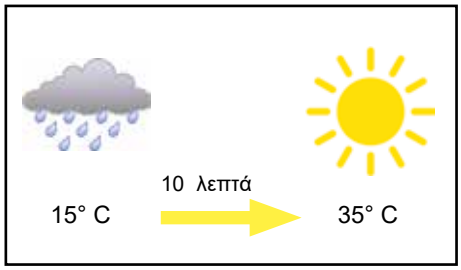
Μια γρήγορη αλλαγή στη θερμοκρασία δημιουργεί επίσης διαφορά πίεσης που επίσης μπορεί να δημιουργήσει συμπύκνωση. Το δεδομένο ότι η ατμοσφαιρική πίεση, η θερμοκρασία και η υγρασία του αέρα είναι σε μια σταθερά εναλλασσόμενη κατάσταση σαφώς και επηρεάζει το φωτιστικό, ανεξάρτητα από τη στεγανότητά του.

Η εγγύηση BEL Lighting δεν καλύπτει τη συμπύκνωση, εκτός εάν είναι γνωστό ότι η είσοδος νερού οφείλεται σε ελάττωμα εργοστασιακό/κατασκευαστικό.
Σε περίπτωση συμπύκνωσης, πρέπει να ελέγξετε τα εξής:
- Είναι σωστά τοποθετημένη η λάμπα;
- Οι σφραγίσεις είναι σωστά κλεισμένες, οι βίδες και το γυαλί αρκετά σφιχτά;
- Εάν πρόκειται για τερματικά, είναι πιθανό η υγρασία που έρχεται από το έδαφος να αποτελεί την αιτία του σχηματισμού της συμπύκνωσης.
Στις περισσότερες από τις κολώνες και τις απλίκες μας, χρησιμοποιούμε γυαλιά «αμμοβολισμένα», στα οποία είναι ορατές οι υγροποιήσεις.

Για τον λόγο αυτό συνιστάται κατά την εγκατάσταση:
- Τοποθετείστε και συναρμολογήστε τα προϊόντα σε περιόδους χωρίς υγρασία (ξηρός καιρός).
- Ελέγξτε την κατάσταση σύσφιγξης όλων των τμημάτων και των καλωδίων (συνδέσεις).
-Συμμορφωθείτε με τις συστάσεις για την εξωτερική καλωδίωση

Σε περίπτωση αμφιβολίας, απευθυνθείτε πάντα σε εξειδικευμένους τεχνικούς.





ΣΥΝΤΗΡΗΣΗ

Απαιτείται τακτικός καθαρισμός, πάντοτε με κατάλληλα προϊόντα, για τη διατήρηση της όψης της επιφάνειας του φωτιστικού.

Ποτέ μην χρησιμοποιείτε ισχυρά καθαριστικά ή χημικά διαλύματα, τα οποία μπορεί να φθείρουν την επιφάνεια του μετάλλου.

Συνιστούμε τη χρήση ενός υγρού πανιού (κατά προτίμηση μικροϊνών) ή δέρματος σαμουά για τη συντήρηση και τον καθαρισμό εξαρτημάτων από ανοξείδωτο χάλυβα, ορείχαλκο ή χαλκό.

Κατά τη διαδιακσία συντήρησης/καθαρισμού, εάν παρατηρήσετε:
- Ένα ραγισμένο, σπασμένο ή ξεφλουδισμένο προστατευτικό γυαλί
- Ένα φαγωμένο καλώδιο τροφοδοσίας
- Οποιαδήποτε φθορά στα σπειρώματα ή σε άλλα συνδετικά μέρη του φωτιστικού

Ενημερώστε την εταιρεία και φροντίστε να απεγκατασταθεί το φωτιστικό, ώστε να σταλθεί προς έλεγχο και επισκευή.
Σε περίπτωση φθοράς οποιουδήποτε εξαρτήματος ενός φωτιστικού, αρμόδια για την επισκευή και την τοποθέτηση νέου εξαρτήματος (ανταλλακτικού) είναι μόνο η εταιρεία κατασκευής.

Παραδείγματα φωτιστικών πριν και μετά τον καθαρισμό με το προϊόν «POLI INOX»

INOX
πριν καθαρισμό

INOX
μετά καθαρισμό

INOX

ΟΡΕΙΧΑΛΚΟΣ

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BEL LIGHTING

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COLOR CODE

00	Brushed natural aluminium	Natuur geborsteld aluminium	Aluminium brossé naturel	natuur gebürstet aluminium	Φυσικο Αλουμινιο
01	White	Wit	Blanc	Weiß	Λευκο
02	Black	Zwart	Noir	Schwarz	Μαυρο
02A	Anodized black	Geanodiseerd zwart	Noir anodisé	Schwarz eloxiert	Ανοδιωμενο Μαυρο
04	Brushed Stainless Steel	Geborsteld Inox	Inox brossé	Edelstahl gebürstet	Ανοξειδωτο
07	Brushed brass	Geborsteld Messing	Laiton brossé	Messing gebürstet	Φυσικος ορειχαλκος
16	Stainless Steel 316L	Inox 316L	Inox 316L	Edelstahl 316L	Ανοξειδωτο 316L
21	Brushed Copper	Geborsteld Koper	Cuivre brossé	Kupfer gebürstet	Φυσικος χαλκος
22	Brown	Bruin	Brun	Braun	Καφε
24	Corten *(color)*	Corten *(kleur)*	Corten *(couleur)*	Corten *(Farbe)*	Corten (χρωμα)
32	Anodised aluminium	Geanodiseerd aluminium	Anodisé aluminium	Eloxierte Aluminium	Ανοδιωμενο αλουμινιο
33	Anodised bronze	Geanodiseerd brons	Anodisé bronze	Eloxiert Bronze	Ανοδιωμενο μπρονζε
34	Anodised matt gold	Geanodiseerd mat goud	Anodisé doré mat	Eloxiert Mattgold	Ανοδιωμενο χρυσο ματ
35	Anodised green	Geanodiseerd groen	Anodisé vert	Eloxiert Grün	Ανοδιωμενο πρασινο
36	Anodised burgundy	Geanodiseerd bordeaux	Anodisé bordeaux	Eloxiert Burgunderrot	Ανοδιωμενο μπορντο
39	Grey	Grijs	Gris	Grau	Γκρι
40	Rusty Iron	Roestig Ijzer	Acier rouillé	Rostigen Eisen	Σκουριασμένο Σίδερο
41	Belgian stone	Blauwe steen	Pierre bleue	Stein aus Belgien	Μαρμαρο Βελγιου
48	Dark Grey	Donker grijs	Gris foncé	Dunkelgrau	Σκούρο γκρι

- The colors and finishes presented in this catalog are purely indicative. For a real rendering, please refer to our BEL Lighting color sample booklet.
- Les coloris et les finitions sont présentés à titre purement indicatif dans ce catalogue. Pour un rendu réel, merci de se rapporter à notre livret nuancier BEL Lighting.
- De in deze catalogus getoonde kleuren en afwerkingen zijn louter indicatief. Voor een realistische weergave kunt u onze BEL Lighting kleurenstaalboekje raadplegen.
- Die in diesem Katalog dargestellten Farben und Oberflächen sind lediglich Richtwerte. Eine echte Darstellung finden Sie in unserer Farbmusterheft von BEL Lighting.
- Τα χρώματα και τα φινιρίσματα που παρουσιάζονται σε αυτόν τον κατάλογο είναι καθαρά ενδεικτικά. Για πραγματική απόδοση, ανατρέξτε στο βιβλίο χρωμάτων BEL Lighting.

LEGEND

	Fixture Class 1	Toestel klasse 1	Appareil classe 1	Gerät klasse 1	Κλαση 1
	Fixture Class 3	Toestel klasse 3	Appareil classe 3	Gerät klasse 3	Κλαση 3
CE	CE Standard	CE Norm	Norme CE	CE Norm	CE
IP__	Degree of protection	Beschermingsindicatie	Degré de protection	Schutzklassel	Βαθμος στεγανωτητας
0,5	Distance to another object	Afstand tot een pbject	Distance d'un autre objet	Abstand zu einem objekt	Αποσταση αντικειμενου
1,5	Net Weight Kg	Netto gewicht Kg	Poids net Kg	NettoGewicht Kg	Βαρος Κιλο

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BE
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Value added **TO LIGHT**

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