NOVOLUX
LIGHTING

2019

Dopo
lighting
residential outdoor

AENOR
Empresa Registrada
UNE-EN ISO 9001
ER-0193/2010

CERTIFIED IQNet MANAGEMENT SYSTEM

NOVOLUX LIGHTING

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Ce catalogue ne fournit pas une offre définitive des produits, pour plus d'informations adressez-vous à:
O presente catálogo não constitui uma oferta firme dos produtos, para mais informações contacte:

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FRANCE: 0800 918 906
REST OF THE WORLD: Tel +34 93 516 20 05
Fax +34 93 346 37 51 / 93 311 45 46 - info@gruponovolux.com
www.gruponovolux.com

Desde Barcelona hacia el Mundo

Desde 1981, dedicados plenamente a la luz

Presencia internacional en 40 países

Trabajo con equipo local para iluminar todo el mundo gracias a una estable cooperación con una sólida red establecida de partners locales y distribuidores en Europa, Oriente Medio, Latinoamérica, África y Asia.

Nuestras Marcas

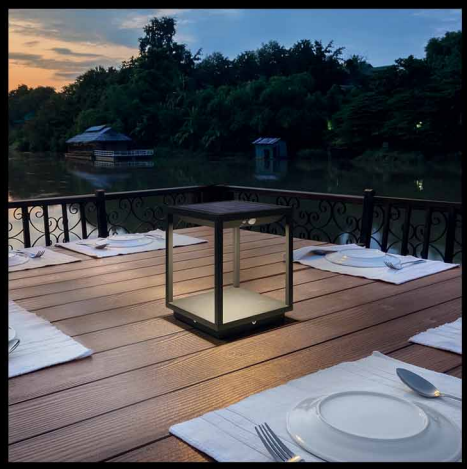
& Categorias de Producto

Más de 3.700 luminarias contemporáneas y de confianza clasificadas en 4 marcas

Cristher lighting

architectural outdoor

Alta gama para exteriores
residenciales y arquitecturales



Dopo lighting

residential outdoor

Gama para exterior
funcional y esencial

exo lighting

decorative indoor

Interior versátil y decorativo con
enfoque a hospitality y contract

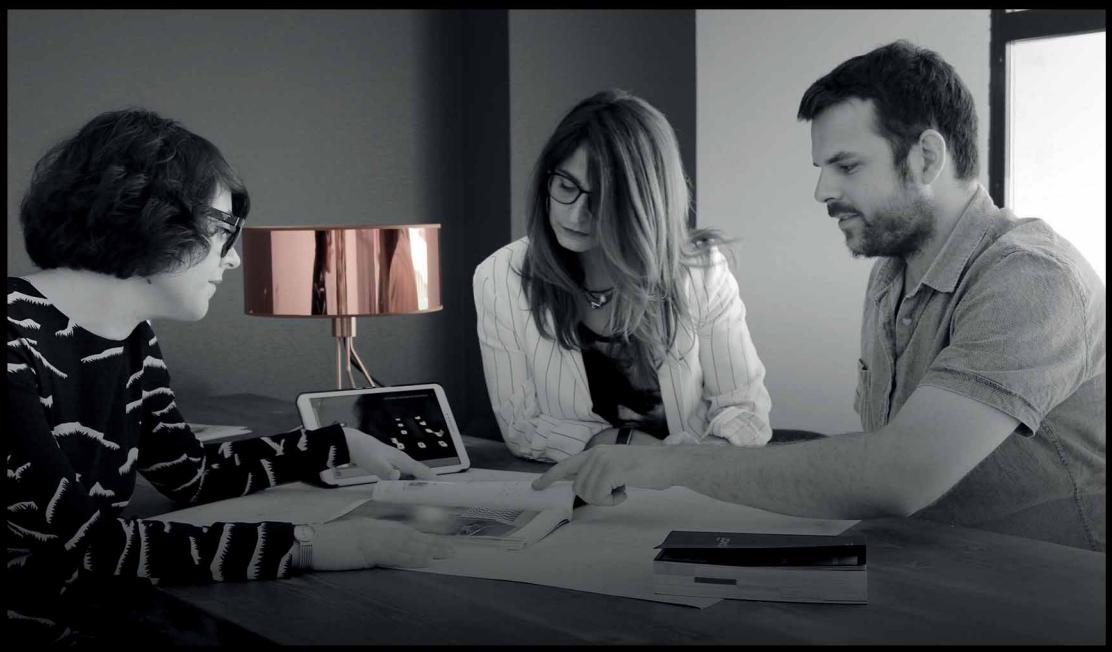
indeluz lighting

technical indoor

Interior técnica para espacios
comerciales, hoteleros y oficinas

Pasión
por lo que hacemos, más allá de la iluminación

60 profesionales comprometidos y amantes de la luz, incluyendo ingenieros, arquitectos y técnicos para ayudarte en tus próximos proyectos de iluminación.



Miembros activos en Asociaciones de Iluminación y expositores en ferias

light+building

FEDAI LIGHTING FROM SPAIN

Lighting Spain

cicat

secartys

interi* HOTEL

MATELEC

Diseñando para seducirte

NELL
By NOVOLUX
Technical Studio

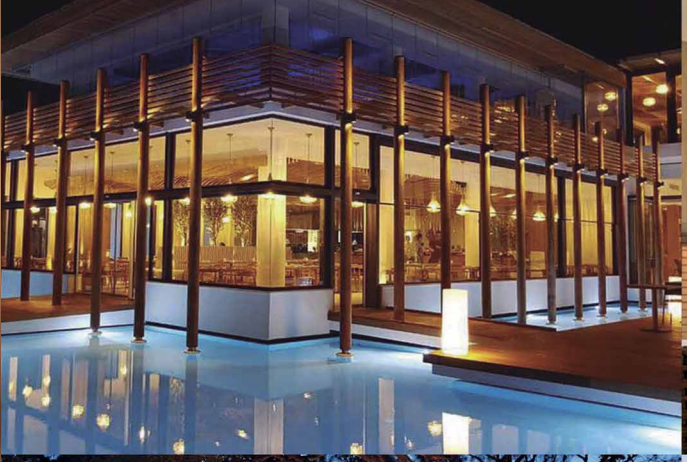
KAI
By NOVOLUX
Technical Studio

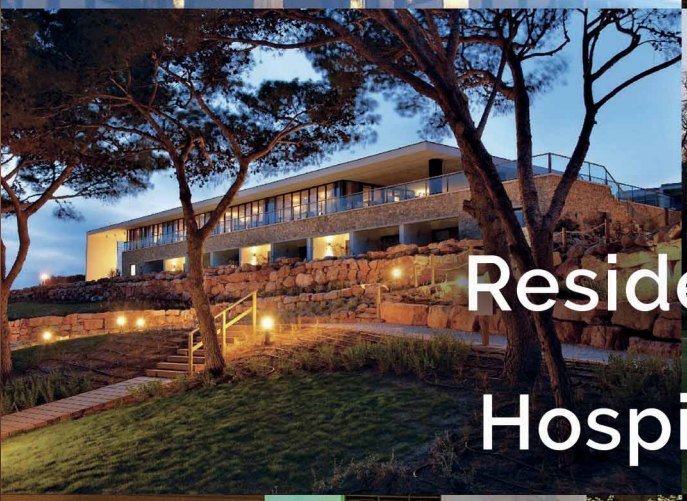
DIAGONAL
By Nacho Timón

DION
By Jordi Blasi

Queremos **iluminar tus** proyectos

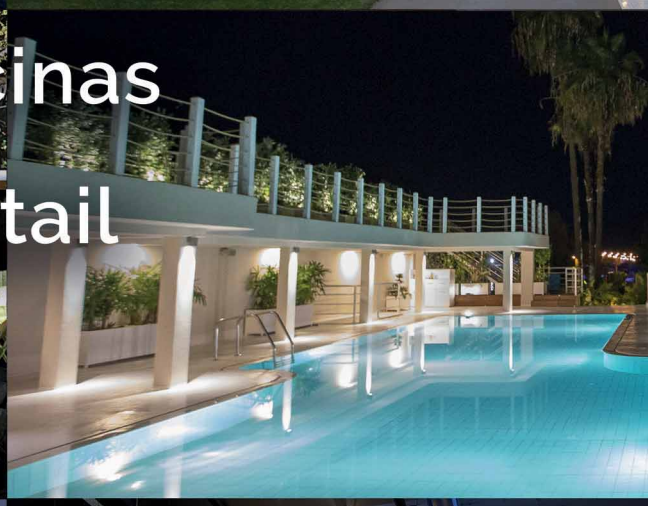
Somos un proveedor global con una amplia y completa gama de luminarias contemporáneas y de calidad para un amplio espectro de soluciones y aplicaciones lumínicas





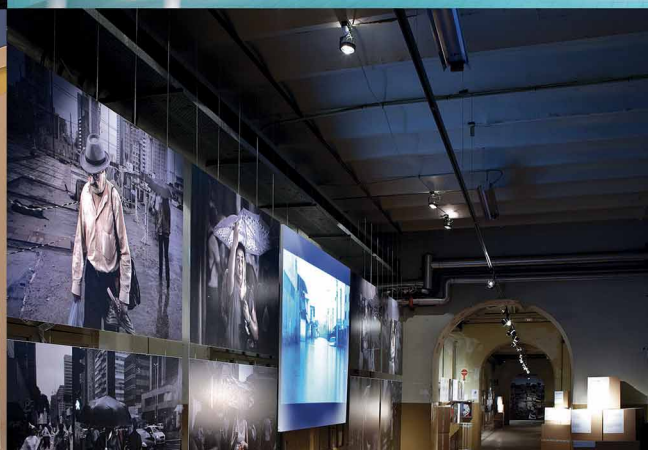
Residencial

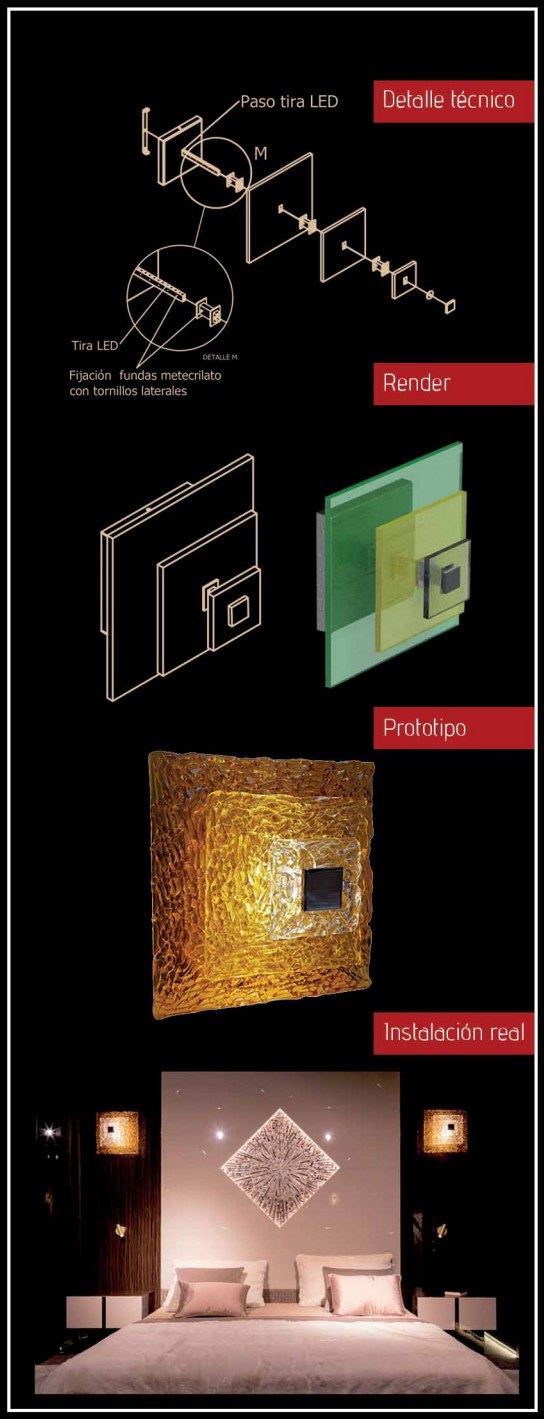
Hospitality



Oficinas

Retail

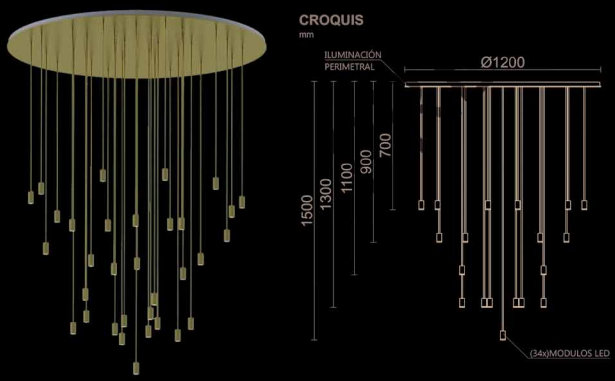



Detalle técnico

Render
Prototipo
Instalación real

División **Custom** Lighting

División para el diseño y la fabricación de soluciones personalizadas de iluminación para proyectos y aplicaciones de hospitality y contract.



Instalaciones de 12.000 m² que incluyen:

- Oficina Central
- Showroom
- Centro logístico con almacén con capacidad para 10.000 pallets de almacenamiento con un servicio rápido de entrega: +200 pedidos enviados al día.
- Laboratorio interno para controles técnicos y de calidad.
- Zona de montaje, metal y ensamblaje.
- Ingineria especializada en diseño industrial y I+D
- Además, centros de producción descentralizados donde aplicamos estrictos controles de calidad en todas las fases del proceso de producción, así como en el producto acabado.
- Procesos de calidad. ISO 9001: 2018 aprobada por la empresa IQNet & AENOR.

N Novedad / New / Nouveauté / Novidade
N Ampliación de gama / Product range enlargement / Élargissement de gamme / Extensão de gamma
Luminaria con sensor / Luminaire with sensor / Luminaire avec senseur / Luminária con sensor
Alimentación solar / Solar powered / Solaire alimenté / Alimentação solar
Aluminio / Aluminium / Aluminium / Aluminio
Polímero / Polymer / Polymère / Polímero
Resina / Resin / Resine / Resina

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LED

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LED

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JEDY 64

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KIRA 66

BLERA ROUND 68

LED

BLERA SQUARE 68

LED

AELIS 69

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DELFI 69

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SARIEL 70

TUREL 70

BELENLUX 71

PIRO 72

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MIR 73

COBAN 73

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FAR 74

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GLOU 77 164

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CAYU 78 186

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Aluminio / Aluminium / Aluminium / Aluminio
Acero inoxidable / Stainless steel / Acier inoxydable / Aço inoxidável
Polímero / Polymer / Polymère / Polímero
Resina / Resin / Resine / Resina
Luminaria con sensor / Luminaire with sensor / Luminaire avec senseur / Luminária con sensor

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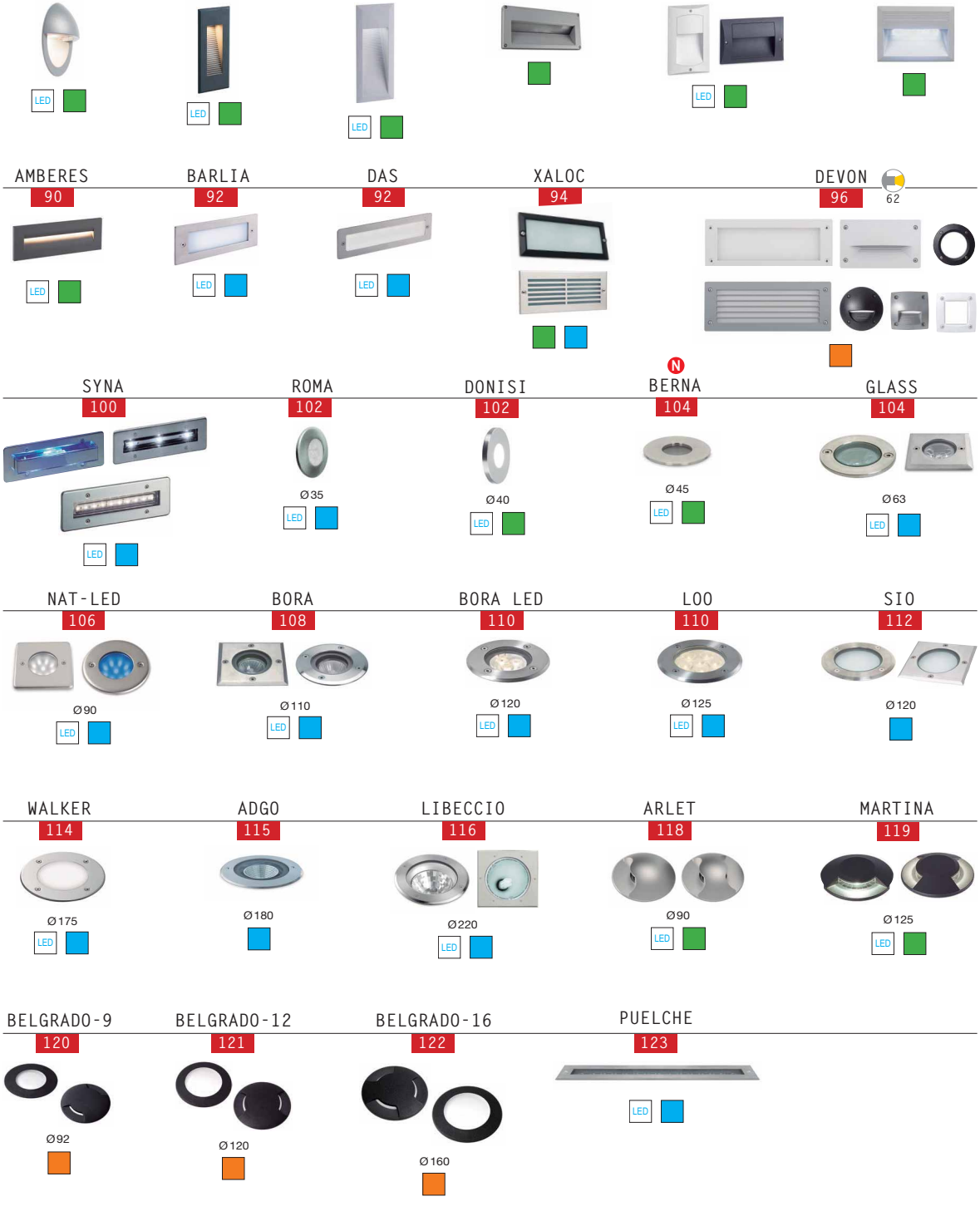

N Novedad / New / Nouveauté / Novidade
Aluminio / Aluminium / Aluminium / Aluminio
Acero inoxidable / Stainless steel / Acier inoxydable / Aço inoxidável
Resina / Resin / Resine / Resina

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Acero inoxidable / Stainless steel / Acier inoxydable / Aço inoxidável
Polímero / Polymer / Polymère / Polímero
Resina / Resin / Resine / Resina

DECORATIVA / DECORATIVE / DÉCORATIVE / DECORATIVOS

Dopo lighting

N LITTA 160

LED

N BLED 162 132

h=310
LED

N ERICE 163

h=407

GLOU 164 77

Ø200 / 250 / 300 / 400

NIZA 166

h=240

N PORTOFINO 167

h=9600

PROYECTORES / SPOTLIGHTS / PROJECTEURS / PROJETORES

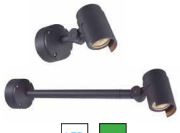
Dopo lighting

SEDNA 170

LED

BARNI 172

LED

NAGORE 174

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Resina / Resin / Resine / Resina

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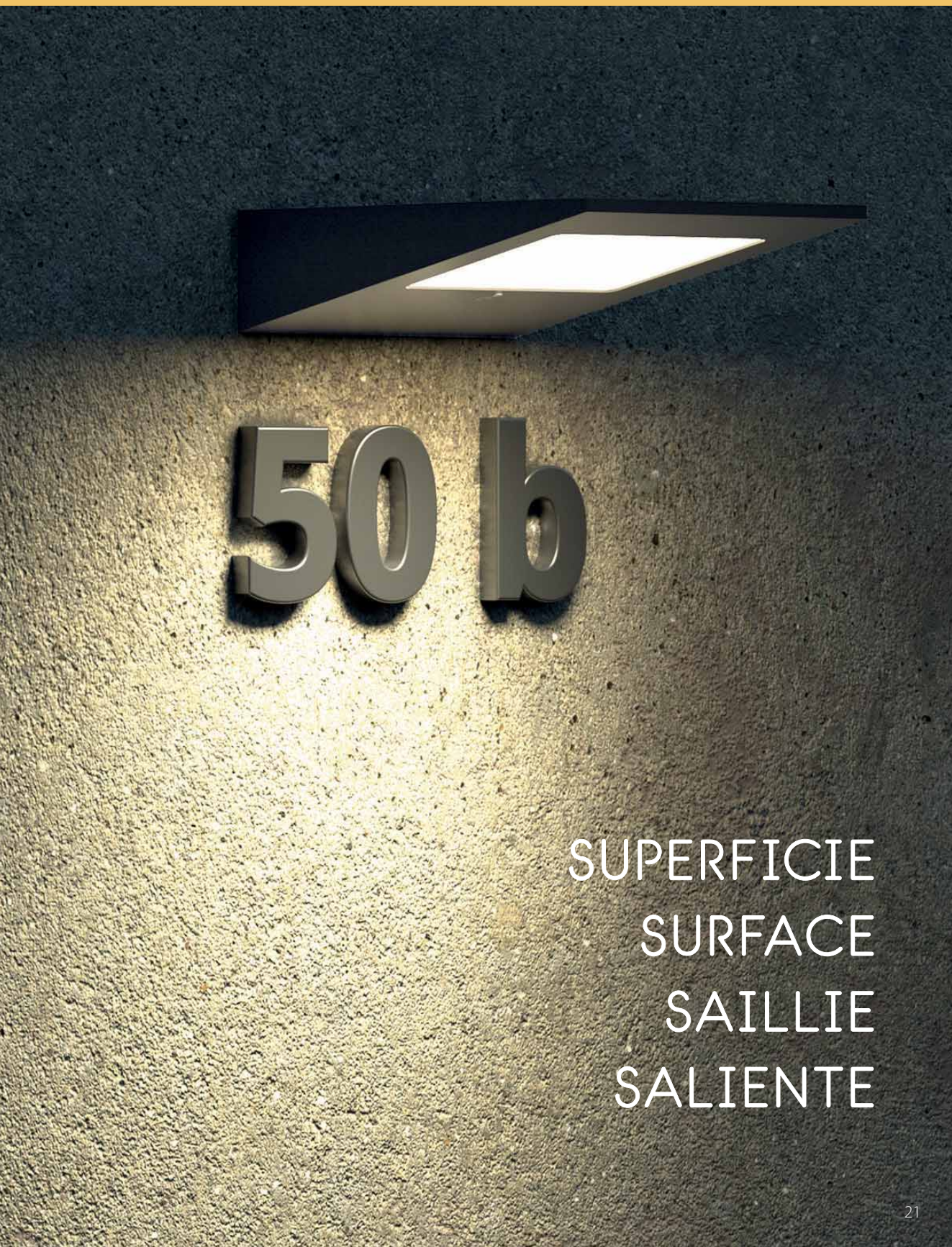

50 b
SUPERFICIE
SURFACE
SAILLIE
SALIENTE

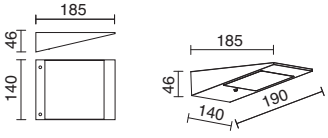
COMO N

SOLAR

SUN ALU PC OPAL LED IP 54 107°

916B-L0103K-04

LED SMD 2,2W 250lm 3000K



Tiempo de carga:6/8h
Duración carga completa: 12h
Nivel sensor: 100 lux
Amplitud térmica: 0-60 ºC

Loading time: 6/8h
Full load duration: 12h
Sensor level: 100 lux
Thermal amplitude: 0-60 ºC

Temps de chargement: 6/8hrs
Durée pleine charge: 12hrs
Niveau détecteur: 100 lux
Amplitude thermique: 0-60 ºC

Tempo de carga: 6/8h
Duração carga completa: 12h
Nível de sensor: 100 lux
Amplitude térmica: 0-60 ºC

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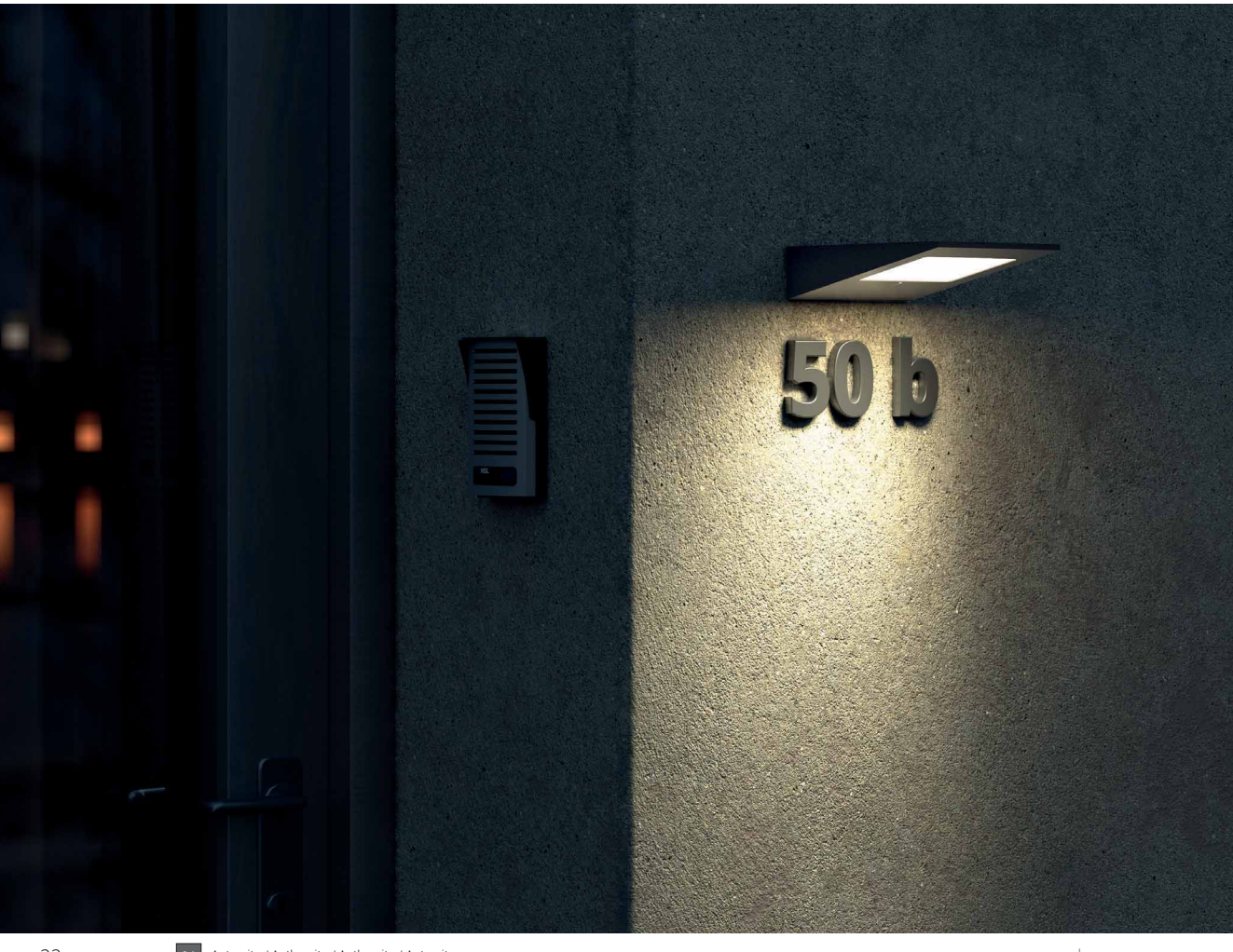


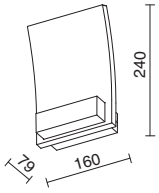
04 Antracita / Anthracite / Anthracite / Antracite

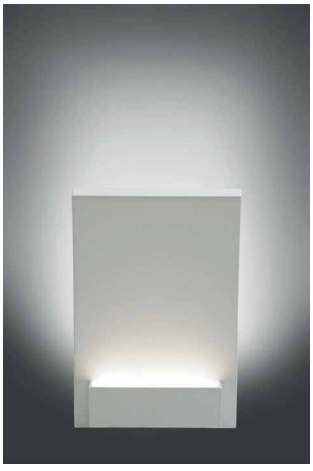
SEIL

ALU | GLASS MAT | LED | IP 54 | 72° | 220V 240V AC

787A-L0116B-01 □

LED SMD AC 16W 1031lm 3000K





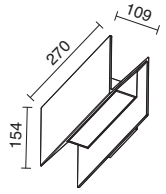
01 Blanco / White / Blanc / Branco

ZIG

ALU | GLASS MAT | LED | IP 54 | 101° | 220V 240V AC

788A-L0116B-04

LED SMD 15W 1031lm 3000K

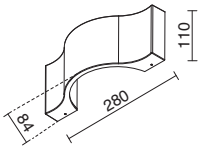


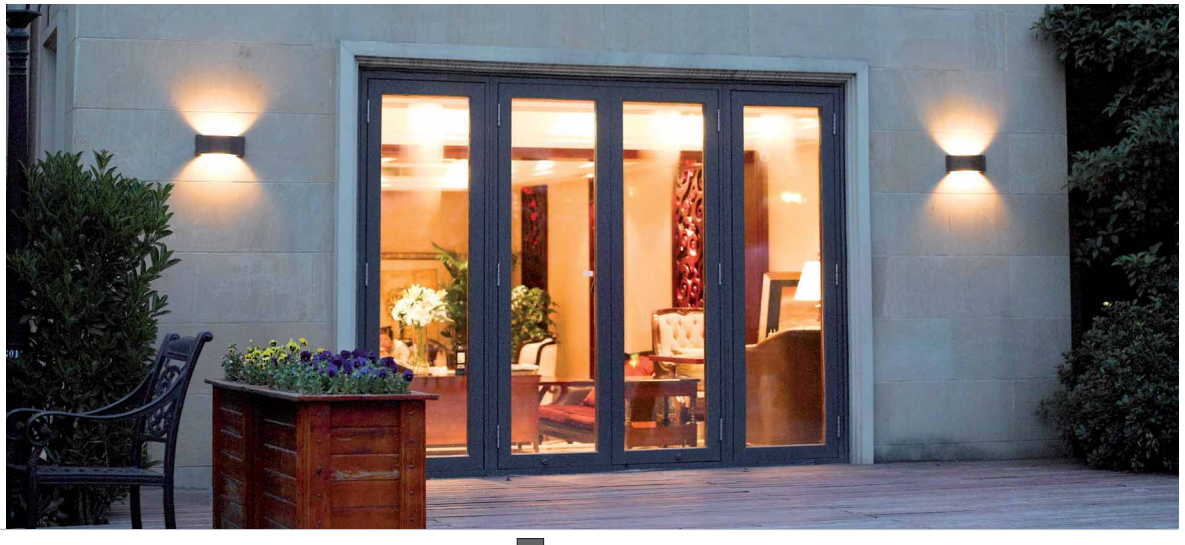
AILO

ALU | PC MAT | LED CREE | IP 54 | 110° | 110V 240V AC

450A-L0107A-04

LED COB 7W 457lm 3000K





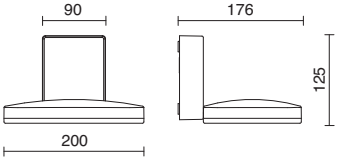
04 Antracita / Anthracite / Anthracite / Antracite

IZARO

ALU | PC OPAL | LED | IP 54 | 113° | 110V 240V AC

789A-L0108A-01 □

LED SMD 8W 712lm 3000K



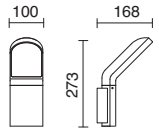
01 Blanco / White / Blanc / Branco

CASTELLO

ALU | GLASS MAT | LED | IP 54 | IK 07 | 103° | 110V 240V AC | 30.000h

534A-L0109A-01 □
534A-L0109A-04 ■

LED SMD 9W 711lm 3000K



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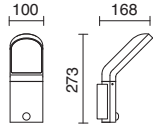
CASTELLO

ALU | GLASS MAT | LED | IP 54 | IK 07 | 103° | 110V 240V AC | 30.000h

534C-L0109A-01 □
534C-L0109A-04 ■

LED SMD 9W 711lm 3000K



Con sensor crepuscular y movimiento.
With daylight and motion sensor.
Avec senseur crépusculaire et mouvement.
Con sensor crepuscular e movimento.

Regulación de:
- Distancia: 0>8 m.
- Tiempo de activación: de 5 seg. a 8 min.
- Intensidad de la luz: 10 - 2000lux
- Ángulo de detección: 100º

Adjustable:
- Distance: 0>8 m.
- Activation time: from 5 sec. to 8 min.
- Light intensity: 10 - 2000lux
- Detection angle: 100º

Règlement:
- Distance: 0>8 m.
- Temps d'activation: de 5 sec à 8 min.
- Intensité de la lumière: 10 - 2000lux
- Angle de détection: 100º

Regulação de:
- Distância: 0>8 m.
- Tempo de ativação: de 5s a 8 min
- Intensidade luminosa: 10 - 2000lux
- Ângulo de detecção: 100º

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01 Blanco / White / Blanc / Branco

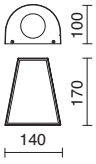
04 Antracita / Anthracite / Anthracite / Antracite

ALIX

ALU | GLASS TRANS | IP 54 | 110V 240V AC

453A-G21X1A-04

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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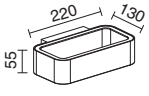
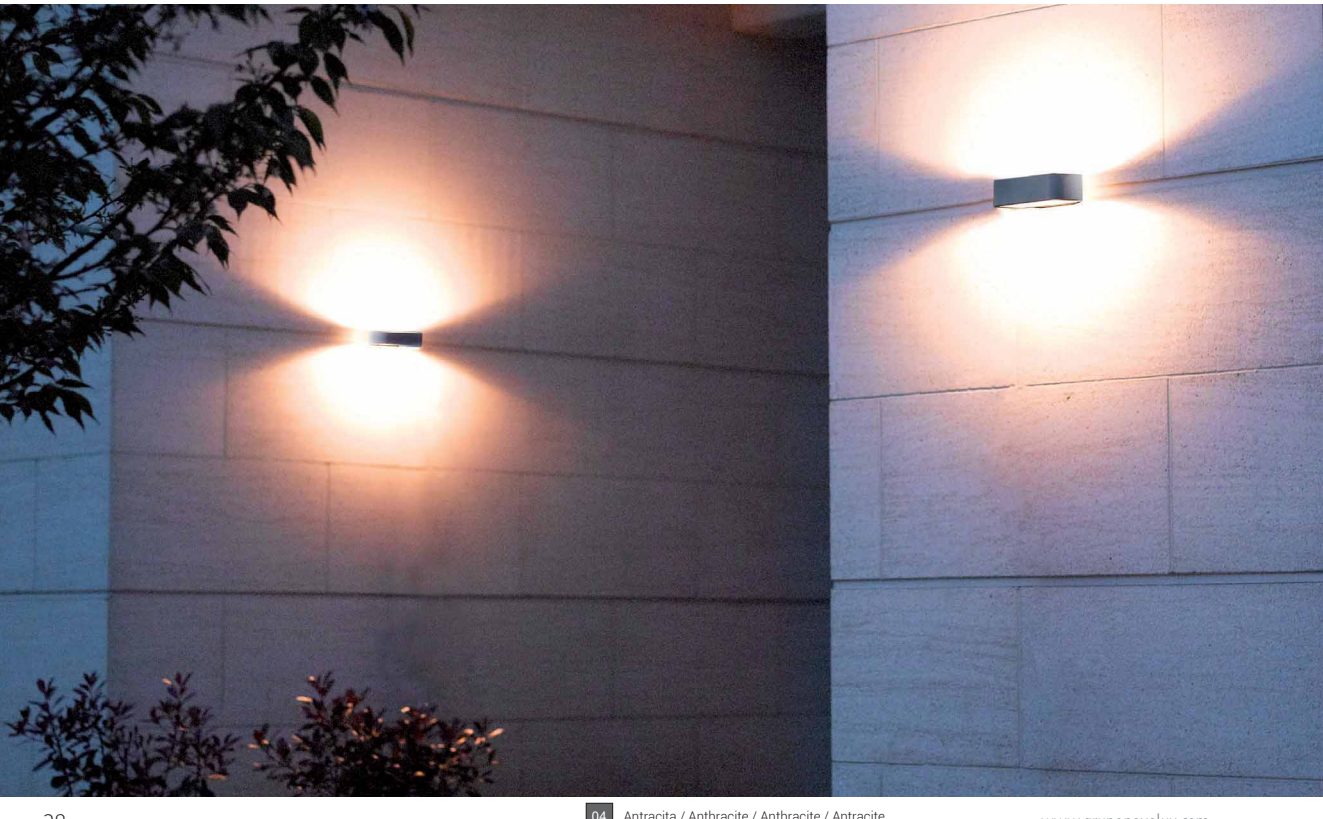
IRHIN

ALU | PC MAT | LED CREE | IP 54 | 40° 40° | 110V 240V AC | 30.000h

443A-L0107A-04

LED COB 7W 448lm 3000K





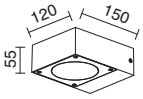
04 Antracita / Anthracite / Anthracite / Antracite

GUIU

ALU | GLASS TRANS | LED CREE | IP 54 | 24° | 110V 240V AC

447B-L01D6A-04

LED SMD 6W 504lm 3000K



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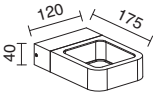
ARSEN

ALU | PC MAT | LED CREE | IP 54 | 160° | 110V 240V AC

444A-L0107A-04

LED COB 7W 290lm 3000K

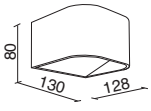


ZENDA

ALU | PC TRANS | LED | IP 55 | 110V 240V AC

461A-L0206A-04 **110 €**

LED COB 6W 350lm 4000K



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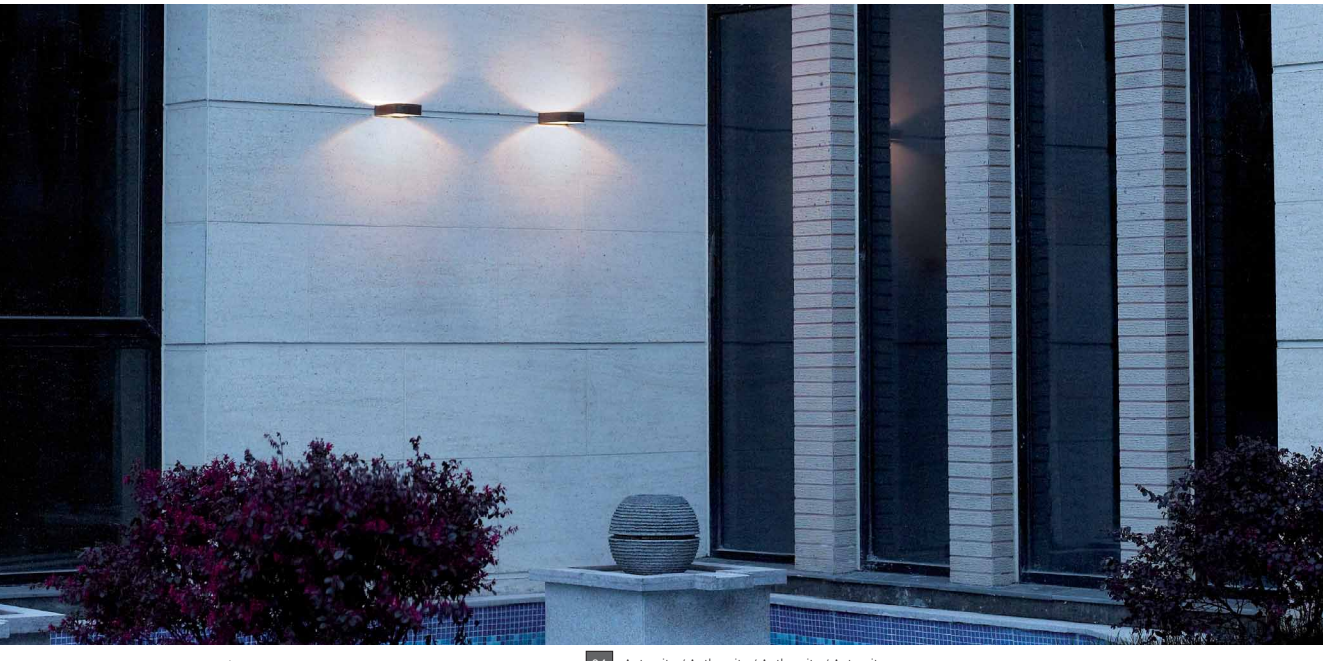


DARK

ALU | PC OPAL | IP 54 | 110V 240V AC

080A-G05X1A-04

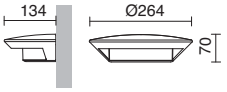
E27 Fluo 23W max.

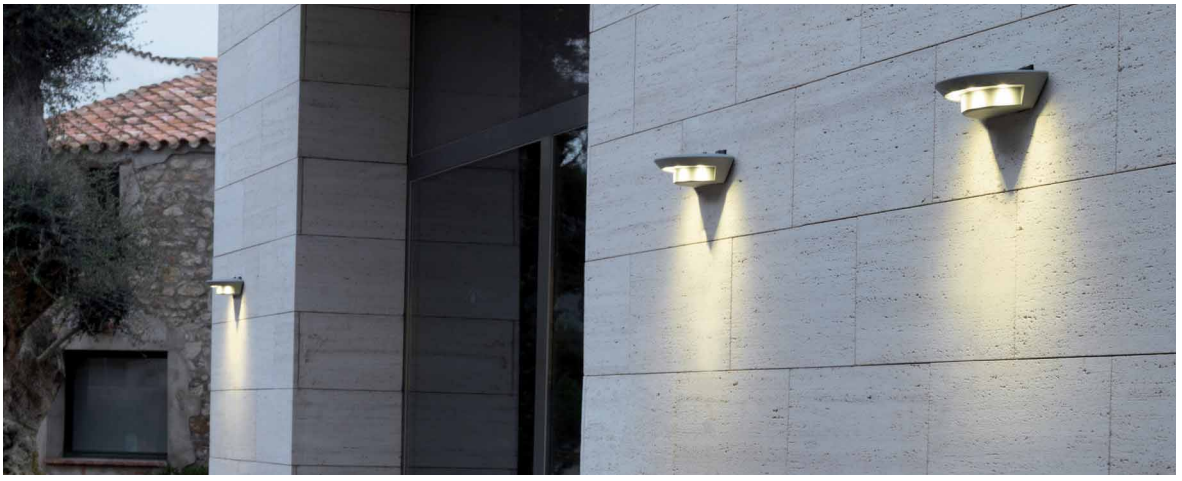
MADRID

ALU | PC TRANS | LED | IP 54 | 110V 240V AC

363A-L02D4B-04

LED SMD 12W 665lm 4100K





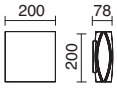
04 Antracita / Anthracite / Anthracite / Antracite

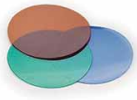
GIORGIO

ALU | PC TRANS. | LED | IP 54 | 4x97° | 110V 240V AC | 30.000h

366A-L02D4B-03

LED COB 12W 418lm 4100K





Posibilidad de añadir filtros de colores (incluidos).
Possibility to add colour filters (included).
On peut s'ajouter filtres à couleurs (inclus).
Possibilidade de adicionar filtros de core (incluidos).

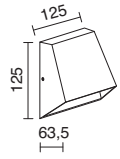
03 Gris / Grey / Gris / Cinzento

ARTAL

ALU | PC TRANS. | LED CREE | IP 54 | 108° | 110V 240V AC

445A-L0107A-04

LED COB 7W 389lm 3000K

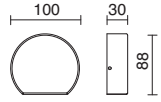


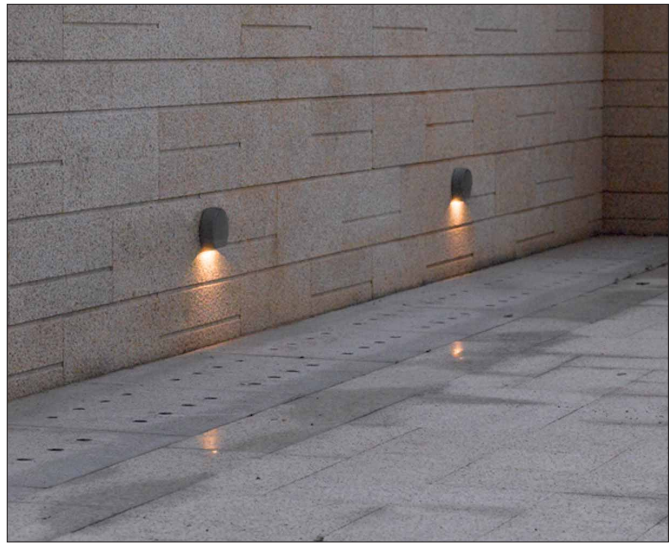
FERRERA

ALU | GLASS TRANS. | LED CREE | IP 54 | 66° | 110V 240V AC

454A-L0103A-04

LED SMD 3W 111lm 3000K





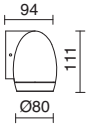
04 Antracita / Anthracite / Anthracite / Antracite

GUISLA

ALU | GLASS TRANS | LED CREE | IP 54 | 20° | 110V 240V AC

451A-L0103A-04

LED SMD 3W 250lm 3000K

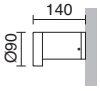


CAIRO

ALU | GLASS MAT | LED CREE | IP 54 | IK 08 | 55° | 110V 240V AC

537A-L0107A-04

LED COB 7W 477lm 3000K



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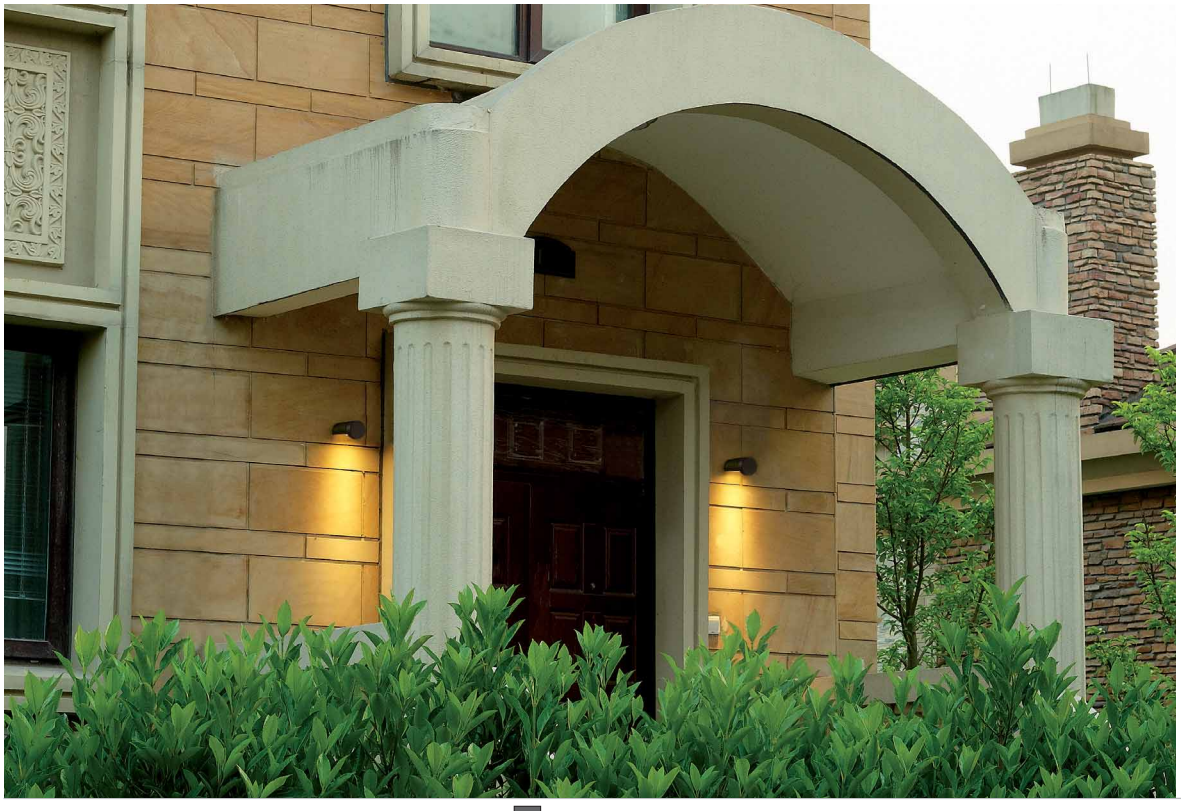
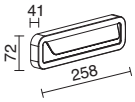


YSER

ALU | GLASS TRANS. | LED | IP 65 | ASIM. | 220V 240V AC | 27.000h

640A-L0114B-04

LED SMD AC 14,1W 852lm 3000K



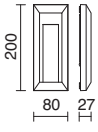
LUTZ

TERMO PLASTIC | PC OPAL | LED | IP 65 | ASIM. | 220V 240V AC | 27.000h

SEA SIDE SUITABLE

524B-L0201A-04

LED SMD 1W 50lm 4000K



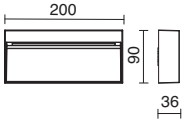
04 Antracita / Anthracite / Anthracite / Antracite

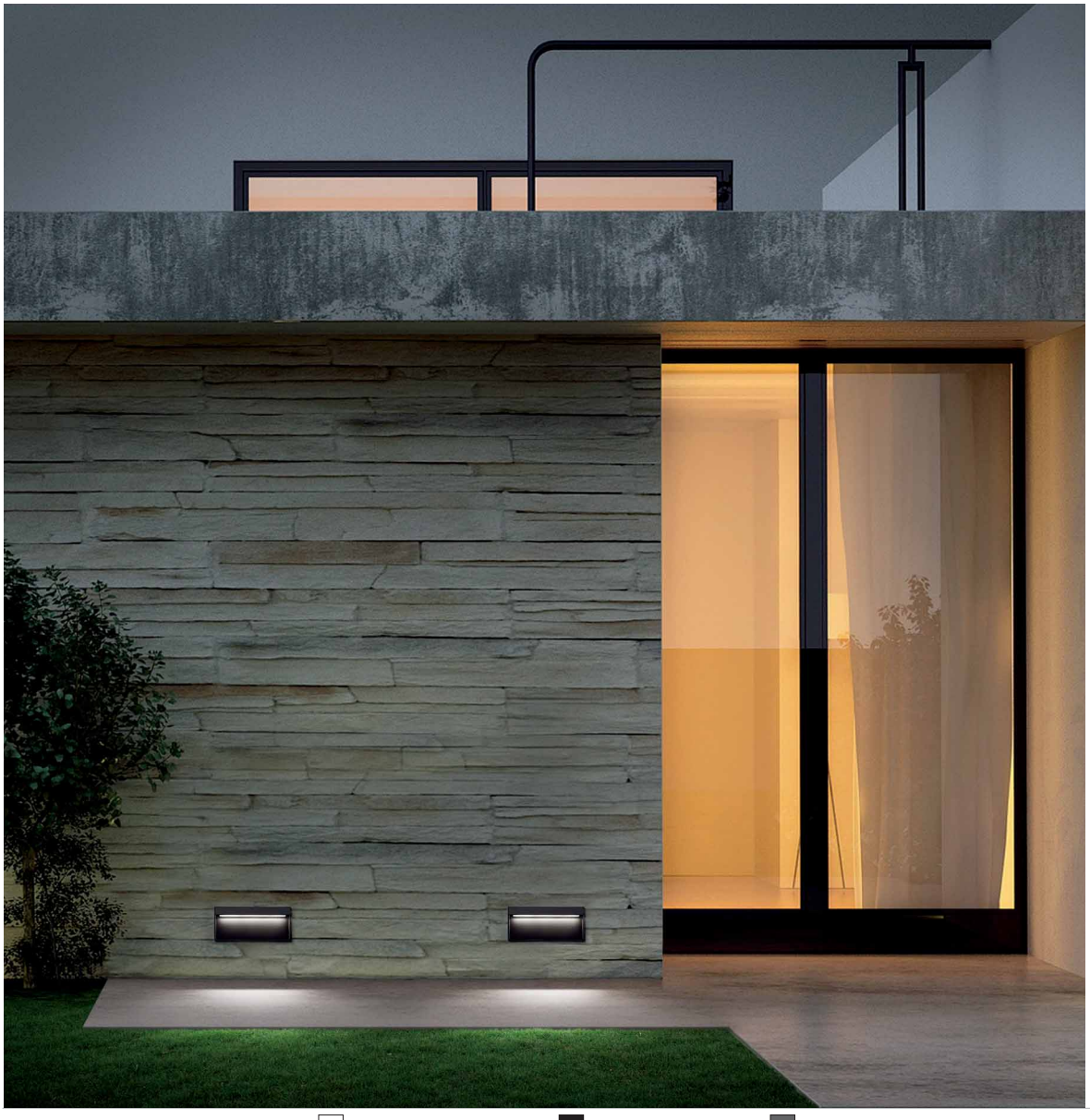
ABAR

ALU | ALU | PC OPAL | LED | IP 54 | IK 05 | CRI >80 | ASIM. | 60° | 220V 240V AC | 25.000h

847A-L0107B-01 □
847A-L0107B-02 ■
847A-L0107B-04 ■

LED SMD 7W 105lm 3000K





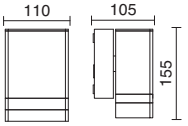
01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
04 Antracita / Anthracite / Anthracite

ANIBAL

ALU | GLASS TRANS | IP 44 | IK 08 | 110V 240V AC

013B-G21X1A-03
013B-G21X1A-04

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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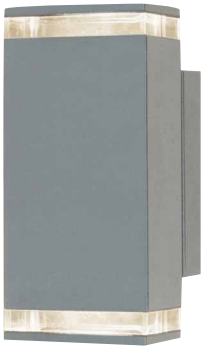
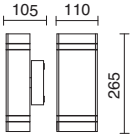
ANIBAL

ALU | GLASS TRANS | IP 44 | IK 08 | 110V 240V AC



013A-G21X1A-03
013A-G21X1A-04

GU10 LED **2x** 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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03 Gris / Grey / Gris / Cinzento

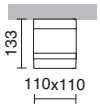
04 Antracita / Anthracite / Anthracite / Antracite

ANIBAL

ALU | GLASS TRANS | IP 44 | 110V 240V AC

013C-G21X1A-03
013C-G21X1A-04

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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03 Gris / Grey / Gris / Cinzento

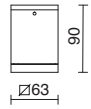
04 Antracita / Anthracite / Anthracite / Antracite

CUB

ALU | GLASS TRANS | IP 54 | IK 06 | 110V 240V AC

555E-G21X1A-01 □
555E-G21X1A-02 ■
555E-G21X1A-03 ■
555E-G21X1A-04 ■

GU10 LED 4,5W



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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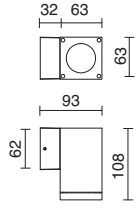
CUB

ALU | GLASS TRANS | IP 54 | IK 06 | 110V 240V AC

555C-G21X1A-01 □
555C-G21X1A-02 ■
555C-G21X1A-03 ■
555C-G21X1A-04 ■

GU10 LED 4,5W



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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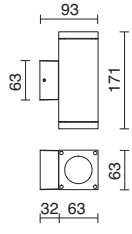
CUB

ALU | GLASS TRANS | IP 54 | IK 06 | 110V 240V AC

555D-G21X1A-01 □
555D-G21X1A-02 ■
555D-G21X1A-03 ■
555D-G21X1A-04 ■

GU10 LED 2x 4,5W



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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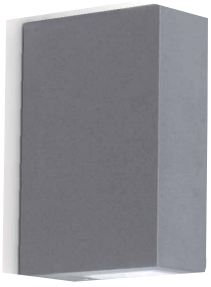
01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento
04 Antracita / Anthracite / Anthracite / Antracite

UFO

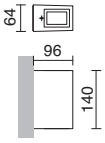
Dopo

ALU | GLASS TRANS | LED | IP 54 | 43° | 110V 240V AC



335A-L98E2B-03
335A-L98E2B-04

LED SMD 6W 114lm 6000K



03 Gris / Grey / Gris / Cinzento

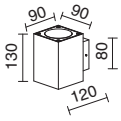
04 Antracita / Anthracite / Anthracite / Antracite

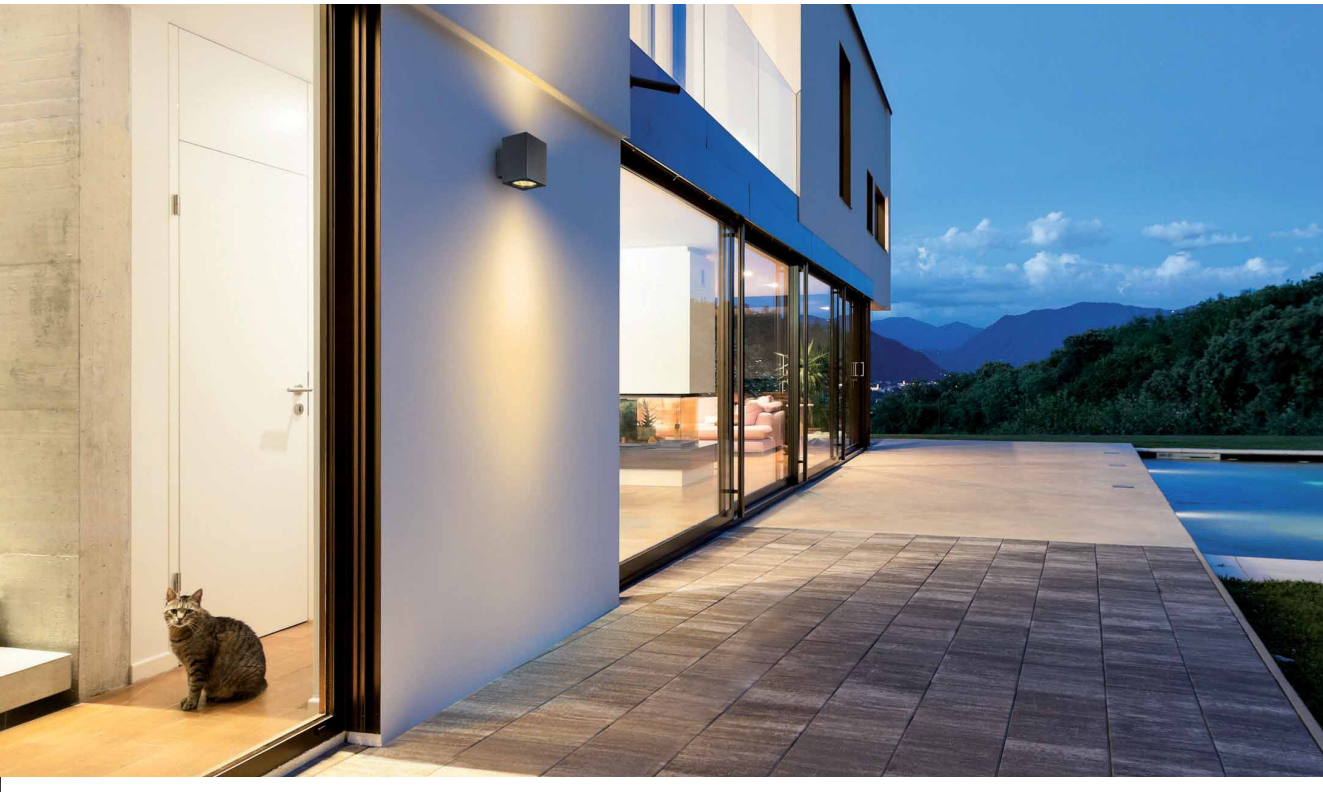
BINDÓ SQUARE

ALU | GLASS TRANS. | LED CREE | IP 54 | 23° | 110V 240V AC

549A-L0112A-04

LED SMD 12W 872lm 3000K



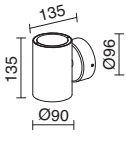


BINDÓ ROUND

ALU | GLASS TRANS. | LED CREE | IP 54 | 23° | 110V 240V AC

550B-L0112A-04

LED SMD 12W 872lm 3000K

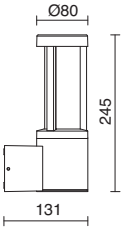


ADAY

ALU | PC OPAL | LED | IP 54 | 110V 240V AC | 30.000h

848A-L0109A-04

LED SMD 9W 578lm 3000K



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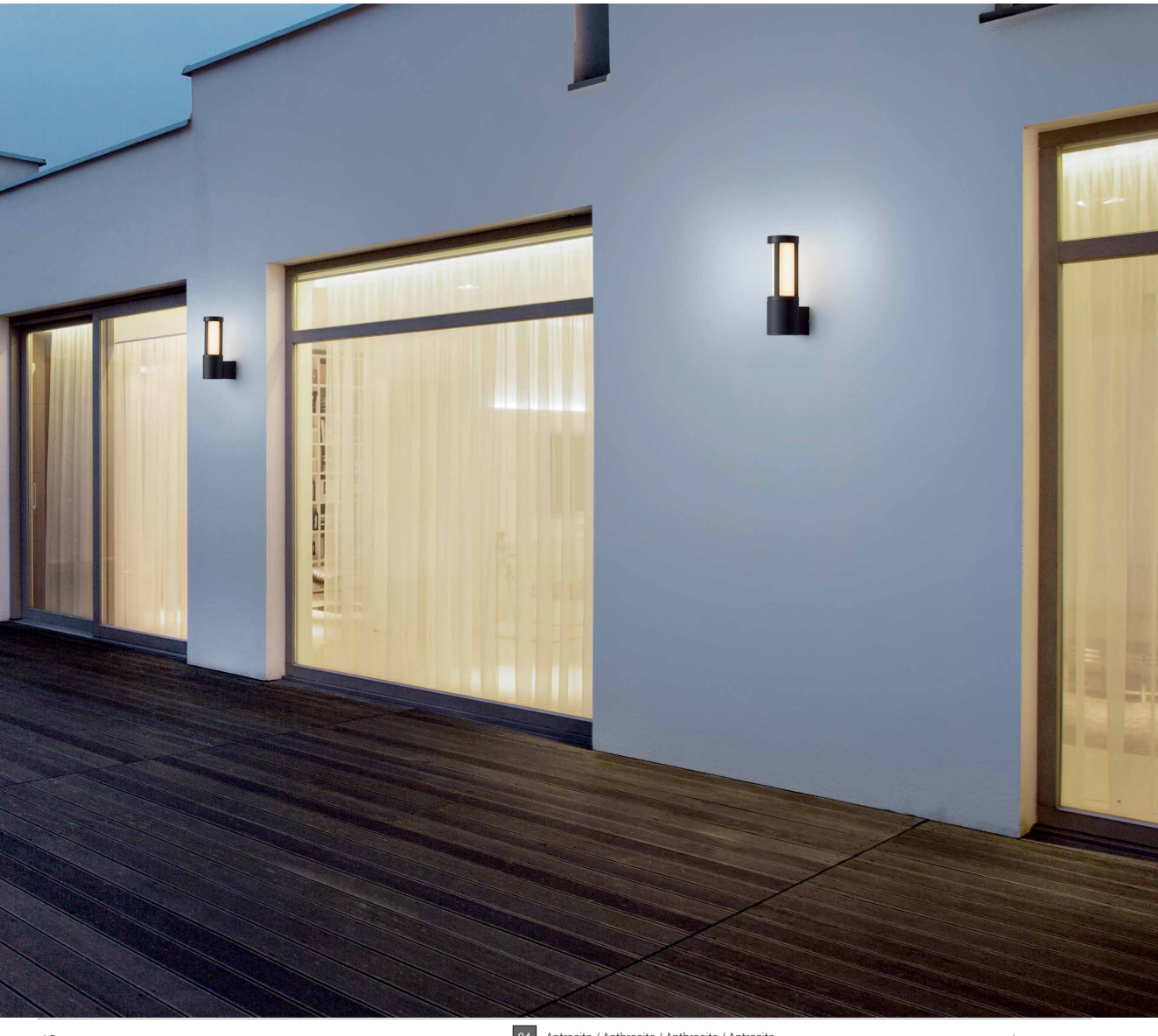


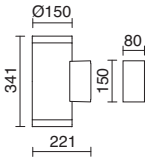
04 Antracita / Anthracite / Anthracite / Antracite

TRAMUNTANA

ALU | GLASS TRANS | IP 65 | 90° | 110V 240V AC

323A-G05X1A-02 ■
323A-G05X1A-03 ■

E27 Led/Hal/Fluo **2x** 20W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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02 Negro / Black / Noir / Preto 03 Gris / Grey / Gris / Cinzento

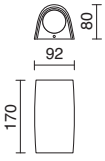
ESTEL

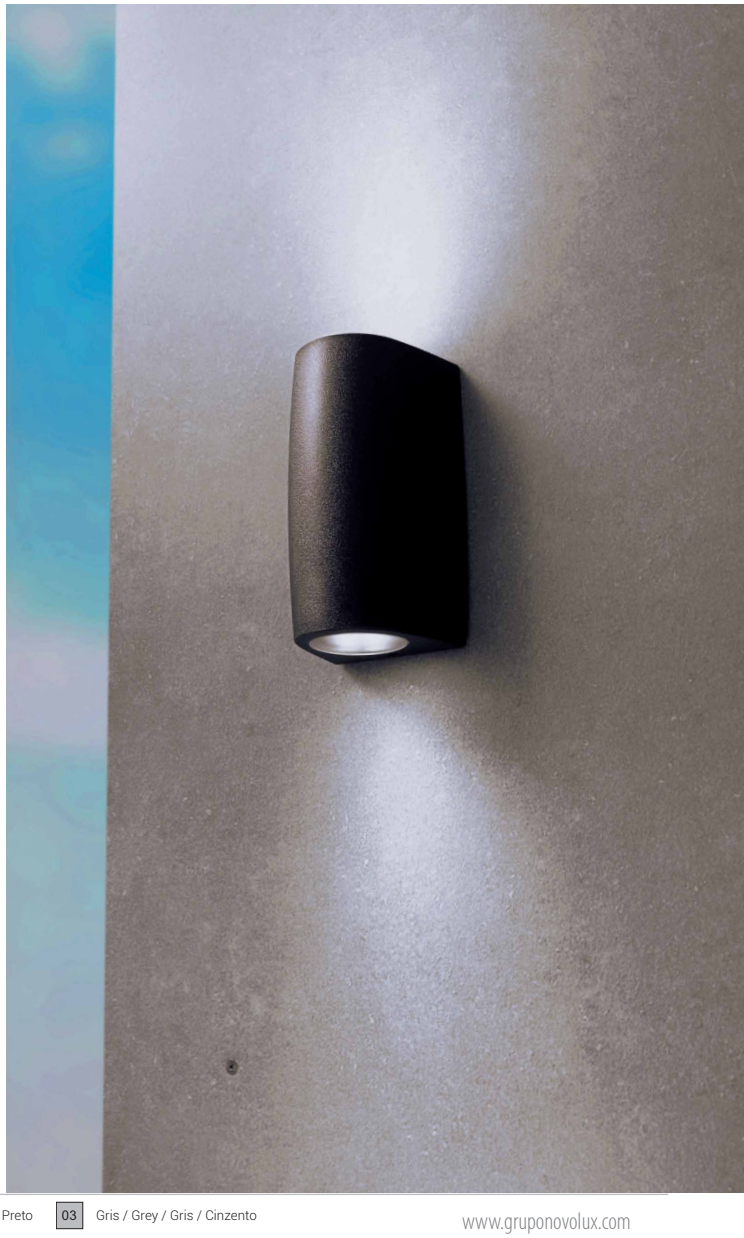
RESIN PC MAT IP 55 110V 240V AC SEA SIDE SUITABLE

793A-G21X1A-01 □
793A-G21X1A-02 ■
793A-G21X1A-03 ■

GU10 LED **2x** 3,5W 400lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída





Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED PRO

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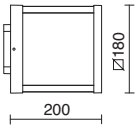
01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto 03 Gris / Grey / Gris / Cinzento

ARLEN

ALU | GLASS TRANS | LED CREE | IP 54 | IK 07 | 125° | 110V 240V AC

791A-L0112A-04

LED COB 13W 870lm 3000K



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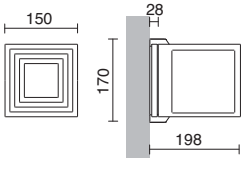
ANUBIS

ALU | GLASS MAT | IP 65 | IK 05 | 90° | 220V 240V AC

014A-F2626B-04

GX24 d3 Fluo 26W



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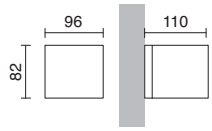
ISORA

ALU | GLASS MAT | IP 65 | IK 05

110V 240V AC

157A-H20X1A-01
157A-H20X1A-02
157A-H20X1A-03
157A-H20X1A-04
157A-H20X1A-91

G9 Hal 40W max.



LED | 220V 240V AC

157A-L0105B-01
157A-L0105B-02
157A-L0105B-03
157A-L0105B-04
157A-L0105B-91

LED COB AC 4W 352lm 3000K

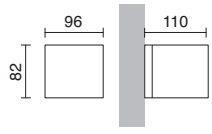
ISORA

ALU | GLASS MAT | IP 65 | IK 05

110V 240V AC

157B-H20X1A-01
157B-H20X1A-02
157B-H20X1A-03
157B-H20X1A-04
157B-H20X1A-91

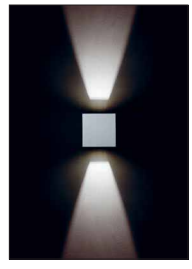
G9 Hal 40W max.



LED | 220V 240V AC

157B-L01G8B-01
157B-L01G8B-02
157B-L01G8B-03
157B-L01G8B-04
157B-L01G8B-91

LED COB AC 2x 4W 2x 352lm 3000K



01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento
04 Antracita / Anthracite / Anthracite / Antracite
91 Marrón cobrizo / Copper brown / Brune cuivre / Marrom cobre

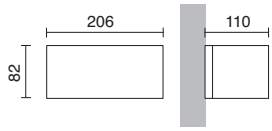
ISORA

ALU | GLASS MAT | IP 65 | IK 05 | 110V 240V AC

157C-G05X1A-01
157C-G05X1A-02
157C-G05X1A-03
157C-G05X1A-04
157C-G05X1A-91

E27 (Ø54) Led/Fluo 20W

max. 152mm



LED

157C-L0109B-01
157C-L0109B-02
157C-L0109B-03
157C-L0109B-04
157C-L0109B-91

LED SMD 8,7W 1295lm 3000K

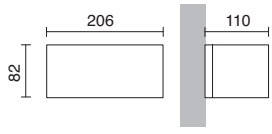
ISORA

ALU | GLASS MAT | IP 65 | IK 05 | 110V 240V AC

157D-G05X1A-01
157D-G05X1A-02
157D-G05X1A-03
157D-G05X1A-04
157D-G05X1A-91

E27 (Ø54) Led/Fluo 20W

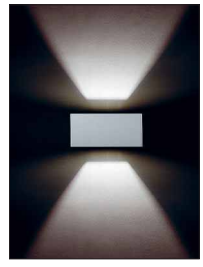
max. 152mm



LED

157D-L01G9B-01
157D-L01G9B-02
157D-L01G9B-03
157D-L01G9B-04
157D-L01G9B-91

LED SMD 17,4W 2590lm 3000K



01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento
04 Antracita / Anthracite / Anthracite / Antracite
91 Marrón cobrizo / Copper brown / Brune cuivre / Marrom cobre

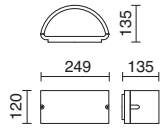
CICLÓN

ALU | PC OPAL | IP 54 | 110V 240V AC

051A-G05X1A-04

E27 Led/Fluo 20W max.

max. 148mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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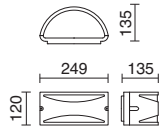
CICLÓN

ALU | PC OPAL | IP 54 | 110V 240V AC

051B-G05X1A-04

E27 Led/Fluo 20W max.

max. 148mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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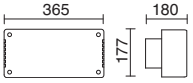
Dopo

GARBI

ALU | GLASS TRANS. | IP 65 | 21° | 220V 240V AC

120A-M3670B-04

HIT-DE (RX7s) 70W

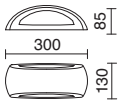


04 Antracita / Anthracite / Anthracite / Antracite

CALM

RESIN | PMMA MAT | IP 66 | 110V 240V AC | SEA SIDE SUITABLE

646A-G05X1A-01 □
646A-G05X1A-02 ■
646A-G05X1A-03 ■



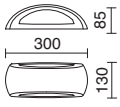
E27 LED 6W 800lm 2700K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

CALM

RESIN | PMMA MAT | IP 66 | 110V 240V AC | SEA SIDE SUITABLE

646B-G05X1A-01 □
646B-G05X1A-02 ■
646B-G05X1A-03 ■



E27 LED 6W 800lm 2700K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

Con sensor crepuscular y movimiento.
With daylight and motion sensor.
Avec senseur crépusculaire et mouvement.
Con sensor crepuscular e movimento.

Regulación de:
- Distancia: 0>5 m.
- Tiempo de activación: de 5 seg. a 30 min.
- Intensidad de la luz: 2 - 50Lux
- Ángulo de detección: 30º-150º

Adjustable:
- Distance: 0>5 m.
- Activation time: from 5 sec. to 30 min.
- Light intensity: 2 - 50Lux
- Detection angle: 30º-150º

Règlement:
- Distance: 0>5 m.
- Temps d'activation: de 5 sec à 30 min.
- Intensité de la lumière: 2 - 50Lux
- Angle de détection: 30º-150º

Regulação de:
- Distância: 0>5 m.
- Tempo de ativação: de 5s a 30 min
- Intensidade luminosa: 2 - 50Lux
- Ângulo de detecção: 30º-150º

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED FILAMENT

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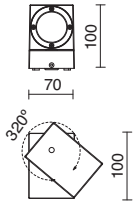
SUEVIS

ALU | GLASS TRANS. | LED BRIDGELUX | IP 54 | 320° | 96° | 110V 240V AC

452B-L0107A-04

LED COB 7W 466lm 3000K



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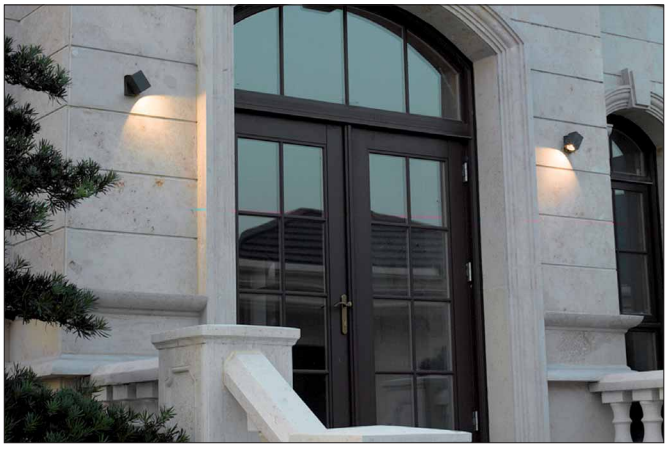
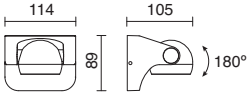


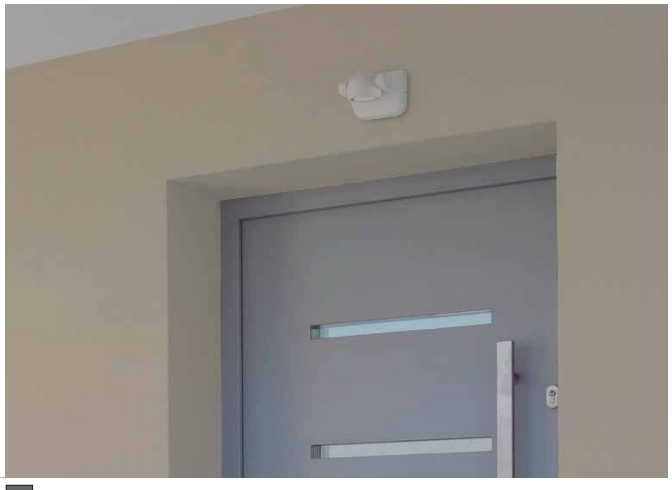
SILE

ALU | GLASS MAT | LED CREE | IP 54 | IK 05 | 180° | 110V 240V AC | 30.000h

641A-L01J1A-01

LED COB 6W 390lm 3000K





01 Blanco / White / Blanc / Branco

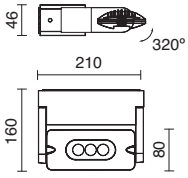
04 Antracita / Anthracite / Anthracite / Antracite

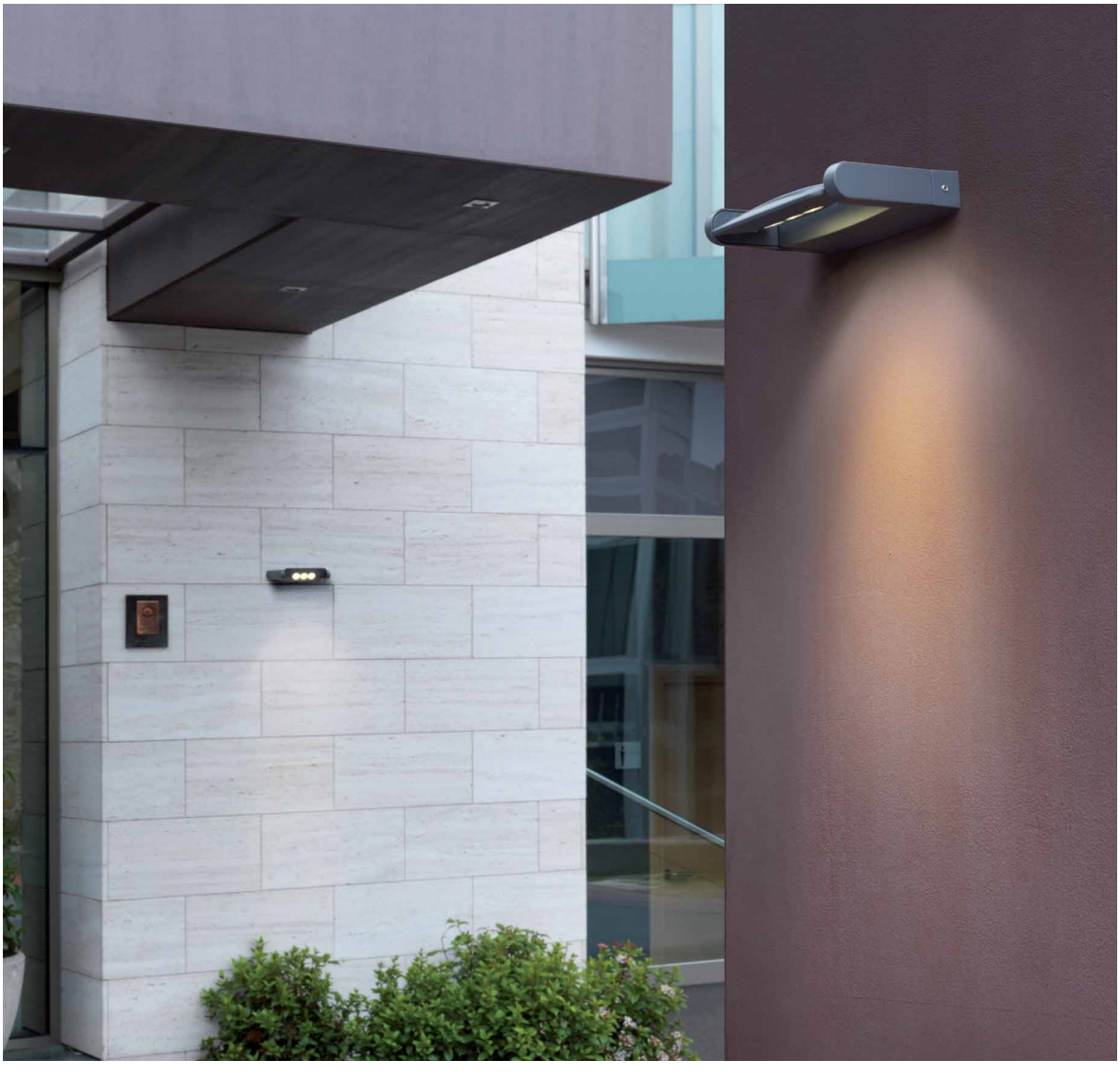
PARIS

ALU | GLASS TRANS. | LED | IP 54 | 320° | 45° | 110V 240V AC

361A-L02D2B-04

LED SMD 9W 605lm 4100K



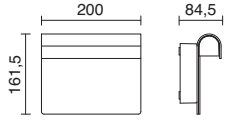


NUMBER

ALU | PC OPAL | LED | IP 54 | 77° | 110V 240V AC

790A-L0106A-01 ☐

LED SMD 6W 429lm 3000K

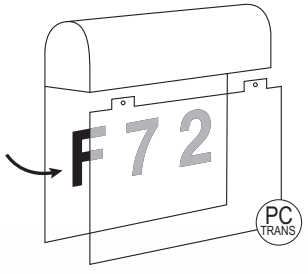


Incluye 1 juego de vinilos adhesivos del abecedario y 2 juegos de números del 0 al 9.

A set of alphabet and two sets of numbers from 0-9 vinyl stickers included.

Il comprend un ensemble d'autocollants en vinyle de l'alphabet et deux ensembles de chiffres de 0 à 9.

Inclui 1 jogo de vinis adesivos do abecedário e 2 jogos de números de 0 a 9.



01 Blanco / White / Blanc / Branco

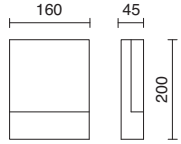
B 1 6

CENADI

ALU | PC OPAL | LED | IP 54 | IK 08 | 116° | 110V 240V AC

536A-L0106A-04 ■

LED SMD 6W 647lm 3000K

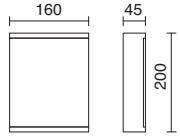


CELLA

ALU | GLASS TRANS. | LED | IP 54 | IK 05 | 122° | 110V 240V AC | 30.000h

535A-L0106A-01 □
535A-L0106A-04 ■

LED SMD 6W 478lm 3000K



01 Blanco / White / Blanc / Branco

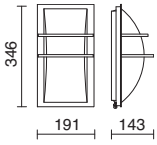
04 Antracita / Anthracite / Anthracite / Antracite

MITO

ALU | PC OPAL | IP 65 | 110V 240V AC

207A-G05X1A-03

E27 Led/Fluo 15W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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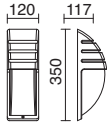
LEVANTE

ALU | PC MAT | IP 54 | 220V 240V AC

176B-F1226B-02 ■
176B-F1226B-03 ■

G24 d3 Fluo 26W

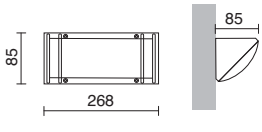


SUR

ALU | PC MAT | IP 54 | 110V 240V AC

301A-G05X1A-01 □
301A-G05X1A-02 ■

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto 03 Gris / Grey / Gris / Cinzento

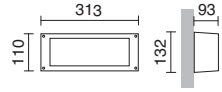
DEVON

RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084E-G31X2A-02 ■
084E-G31X2A-03 ■

GX53 LED T2 2x 3W 2x 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



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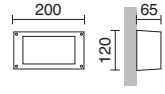
DEVON

RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084Q-G31X1A-02 ■
084Q-G31X1A-03 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



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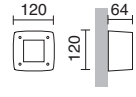
DEVON

RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084K-G31X1A-02 ■
084K-G31X1A-03 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



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Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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02 Negro / Black / Noir / Preto

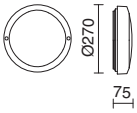
03 Gris / Grey / Gris / Cinzento

PAMPERO

ALU | GLASS MAT | LED | IP 65 | 110V 240V AC

232A-G05X1A-01 □
232A-G05X1A-03 ■

E27 Led/Fluo 11W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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01 Blanco / White / Blanc / Branco

03 Gris / Grey / Gris / Cinzento

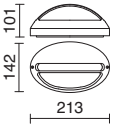
JEDY

ALU | PC OPAL | IP 44 | 110V 240V AC

162A-G05X1A-01 ☐

E27 Led/Fluo 8W max.

max. 110mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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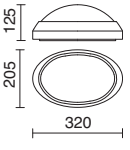
JEDY

ALU | PC OPAL | IP 44 | 110V 240V AC

162B-G05X1A-03 ■

E27 Led/Fluo 23W max.

max. 172mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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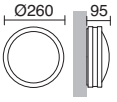
TORNADO

ALU | PC OPAL | IP 54 | 110V 240V AC

321A-G05X1A-03
321A-G05X1A-04

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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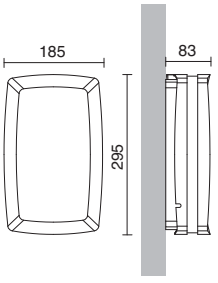
KIRA

ALU | PC OPAL | IP 54 | 110V 240V AC

169A-G05X1A-03
169A-G05X1A-04

E27 Led/Fluo **2x** 20W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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LED MODUL

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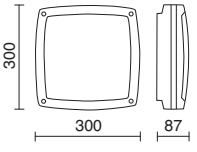
KIRA

ALU | PC OPAL | IP 54 | IK 08 | 110V 240V AC

169C-G05X1A-04

E27 Led/Fluo **2x** 18W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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03 Gris / Grey / Gris / Cinzento

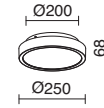
04 Antracita / Anthracite / Anthracite / Antracite

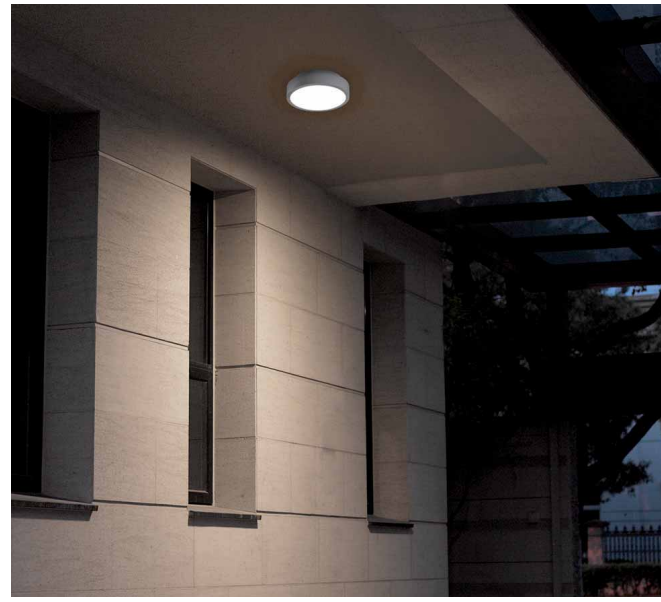
BLERA ROUND

ALU | PC OPAL | LED EDISON | IP 54 | 109° | 110V 240V AC | HEP

547A-L0118A-03

LED SMD 20W 1120lm 3000K



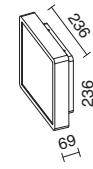


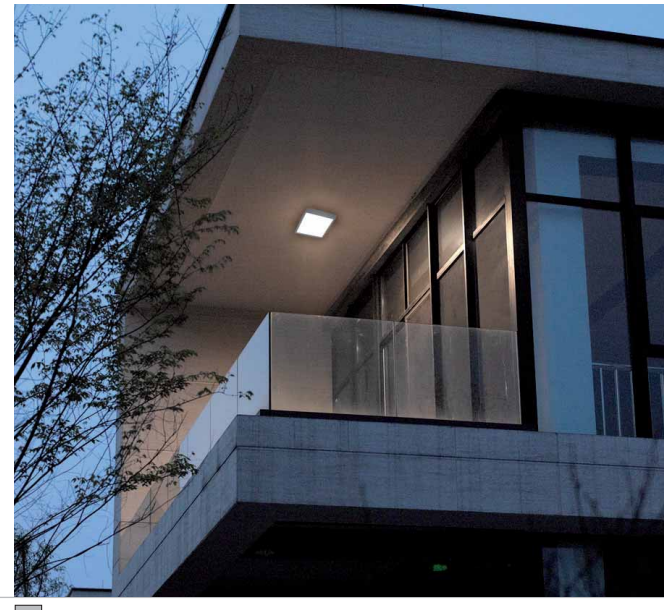
BLERA SQUARE

ALU | PC OPAL | LED EDISON | IP 54 | 110° | 110V 240V AC | HEP

548B-L0118A-03

LED SMD 20W 1107lm 3000K





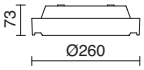
03 Gris / Grey / Gris / Cinzento

AELÍS

TECNO POLIM | PC OPAL | LED | IP 65 | 220V 240V AC | 30.000h | SEA SIDE SUITABLE

521A-L0213B-03

LED SMD 13W 1050lm 4000K

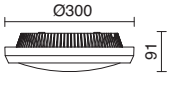


DELFI

TECNO POLIM | PC OPAL | LED EDISON | IP 65 | 220V 240V AC | 30.000h | EAGLERISE | SEA SIDE SUITABLE

522A-L0214B-03

LED SMD 13,5W 1150lm 4000K

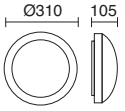


SARIEL

TECNO POLIM | PC MAT | IP 54 | IK 07 | 110V 240V AC | SEA SIDE SUITABLE

270A-G05X1A-01 ☐

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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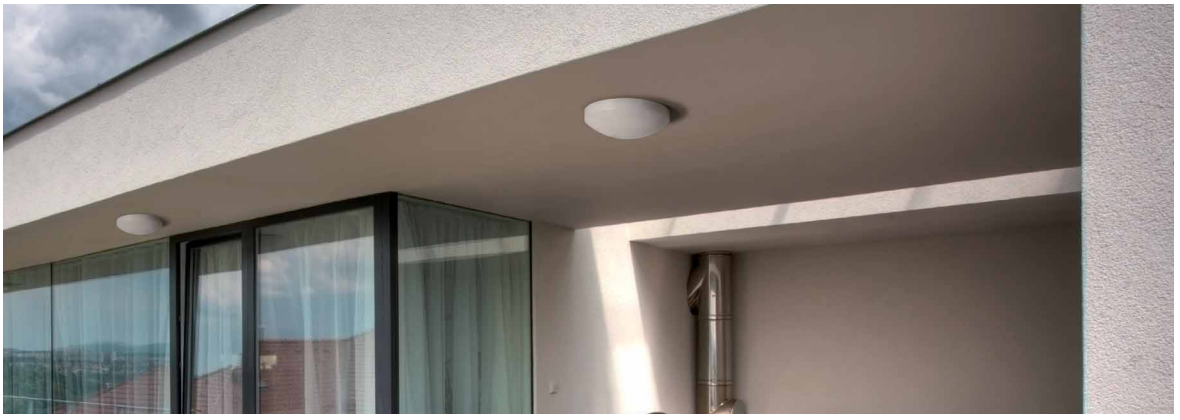
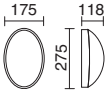


TUREL

TECNO POLIM | PC MAT | IP 54 | IK 07 | 110V 240V AC | SEA SIDE SUITABLE

334A-G05X1A-01 ☐

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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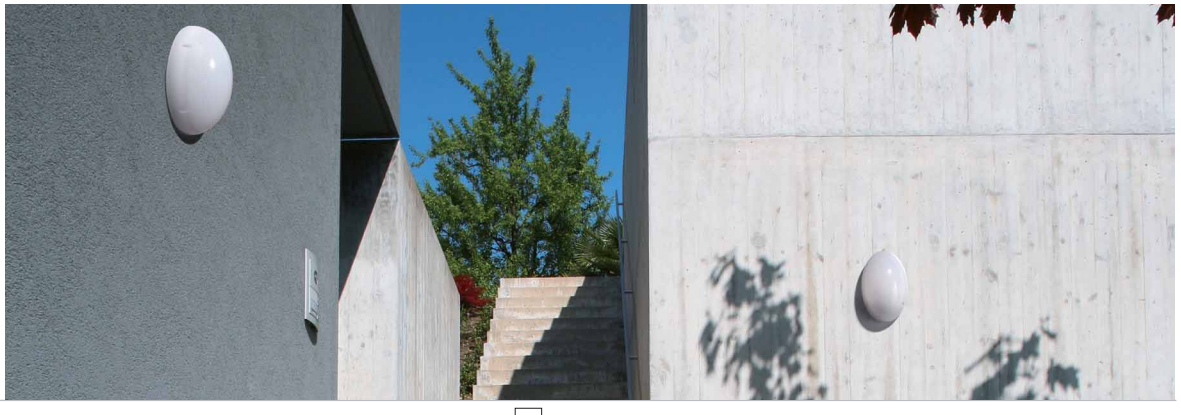


01 Blanco / White / Blanc / Branco

BELENLUX

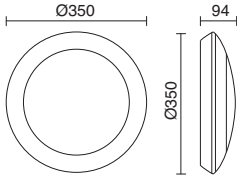
RESIN | PMMA OPAL | IP 66 | U.V. TREATED | +90° -60° | SEA SIDE SUITABLE

110V 240V AC

579C-G31X1A-01 ☐

GX53 LED T2 11W 1300lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Con sensor crepuscular y movimiento.
With daylight and motion sensor.
Avec senseur crépusculaire et mouvement.
Con sensor crepuscular e movimento.

Regulación de:
- Distancia: <5 m.
- Tiempo de activación: de 5 seg. a 30 min.
- Intensidad de la luz: 2 - 5lux
- Ángulo de detección: 30º - 150º

Règlement:
- Distance: <5 m.
- Temps d'activation: de 5 sec à 30 min.
- Intensité de la lumière: 2 - 5lux
- Angle de détection: 30º - 150º

Adjustable:
- Distance: <5 m.
- Activation time: from 5 sec. to 30 min.
- Light intensity: 2 - 5lux
- Detection angle: 30º - 150º

Regulação de:
- Distância: <5 m.
- Tempo de ativação: de 5s a 30 min
- Intensidade luminosa: 2 - 5lux
- Ângulo de detecção: 30º - 150º

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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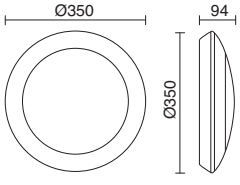
LED EPISTAR | CRI >80 | 220V 240V AC | SEA SIDE SUITABLE

579C-L0216R-01 ☐

LED SMD 16W 1800lm 4000K

EMERGENCY
LED 3W 250lm 4000K (3h max.)



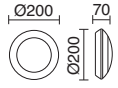
PIRO

RESIN | PMMA OPAL | IP 66 | 110V 240V AC | SEA SIDE SUITABLE

559A-G31X1A-01 ☐
559A-G31X1A-03 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



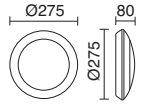
PIRO

RESIN | PMMA OPAL | IP 66 | 110V 240V AC | SEA SIDE SUITABLE

559B-G31X1A-01 ☐
559B-G31X1A-02 ■
559B-G31X1A-03 ■

GX53 LED T2 11W 1300lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



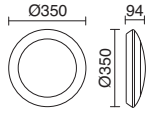
PIRO

RESIN | PMMA OPAL | IP 66 | 110V 240V AC | SEA SIDE SUITABLE

559C-G31X1A-01 ☐
559C-G31X1A-02 ■

GX53 LED T2 11W 1300lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento

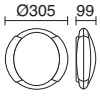
MIT

TECNO POLIM | PC OPAL | IP 54 | IK 06 | 110V 240V AC

SEA SIDE SUITABLE

206A-G05X1A-01 □
206A-G05X1A-02 ■

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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MIR

PA | PC OPAL | CE | IP 65 | IK 10 | 110V 240V AC

SEA SIDE SUITABLE

203B-G05X1A-01 □
203B-G05X1A-02 ■

E27 Led/Fluo 23W max.

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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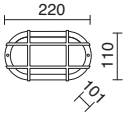
COBAN

PC | GLASS MAT | IP 44 | IK 06 | 110V 240V AC

SEA SIDE SUITABLE

647B-G05X1A-01 □

E27 Led/Fluo 12W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

FAR

PA | GLASS PRISM | IP 44 | IK 06 | 110V 240V AC | SEA SIDE SUITABLE

107B-G05X1A-01 □
107B-G05X1A-02 ■

E27 Led/Fluo 12W max.

max. 103mm

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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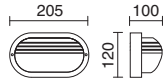
FAR

PA | GLASS PRISM | IP 44 | IK 06 | ASIM. | 110V 240V AC | SEA SIDE SUITABLE

107G-G05X1A-01 □
107G-G05X1A-02 ■
107G-G05X1A-03 ▒
107G-G05X1A-04 ▩

E27 Led/Fluo 12W max.

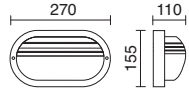
max. 103mm



107H-G05X1A-01 □
107H-G05X1A-02 ■
107H-G05X1A-04 ▩

E27 Led/Fluo 21W max.

max. 155mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

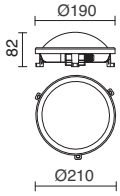
01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento
04 Antracita / Anthracite / Anthracite / Antracite

FAR N

ABS | PC OPAL | LED | IP 54 | 115° | 220V 240V AC | 30.000h | SEA SIDE SUITABLE

107I-L0212B-01 ☐

LED SMD 12W 840lm 4000K



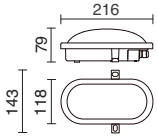
Con entrada lateral.
With side inlet.
Avec entrée latérale.
Com entrada lateral.

FAR N

ABS | PC OPAL | LED | IP 54 | 110° | 220V 240V AC | 30.000h | SEA SIDE SUITABLE

107J-L0212B-01 ☐

LED SMD 12W 840lm 4000K



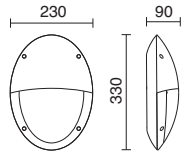
Con entrada lateral.
With side inlet.
Avec entrée latérale.
Com entrada lateral.

TEIA

PC | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

317B-G05X1A-01 □
317B-G05X1A-02 ■
317B-G05X1A-03 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 23W max.
E27 HAL 42W

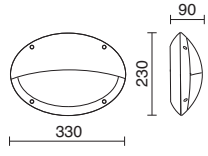


TEIA

PC | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

317C-G05X1A-01 □
317C-G05X1A-02 ■
317C-G05X1A-03 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 23W max.
E27 HAL 42W

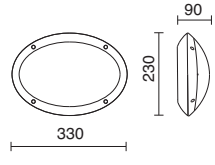


TEIA

PC | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

317A-G05X1A-01 □
317A-G05X1A-02 ■
317A-G05X1A-03 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 23W max.
E27 HAL 42W



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

01 Blanco / White / Blanc / Branco
02 Negro / Black / Noir / Preto
03 Gris / Grey / Gris / Cinzento

GLOU

PA PMMA OPAL IP44 2 m. 110V 240V AC SEA SIDE SUITABLE

129E-G05X1A-02 ■

E27 Led/Fluo 15W max.

Ø200
Ø105

GLOU

PA PMMA OPAL IP44 2 m. 110V 240V AC SEA SIDE SUITABLE

129F-G05X1A-02 ■

E27 Led/Fluo 23W max.

Ø250
Ø125

GLOU

PA PMMA OPAL IP44 2 m. 110V 240V AC SEA SIDE SUITABLE

129G-G05X1A-02 ■

E27 Led/Fluo 30W max.

Ø300
Ø145

GLOU

PA PMMA OPAL IP44 2 m. 110V 240V AC SEA SIDE SUITABLE

129H-G05X1A-02 ■

E27 Led/Fluo 30W max.

Ø400
Ø185

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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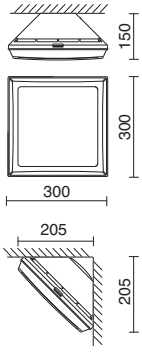
CAYU

RESIN | PC OPAL | IP 66 | U.V. TREATED | +90° -60° | 110V 240V AC | SEA SIDE SUITABLE

571A-G31X1A-02 ■

GX53 LED T2 **4x** 7W **4x** 800lm 3000K

Lámparas incluidas
Lamps included
Lampes incluses
Lâmpadas incluídas



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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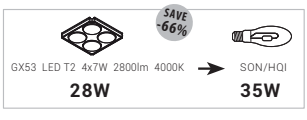

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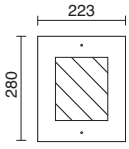
02 Negro / Black / Noir / Preto

GREGAL

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

132A-G05X1A-30

E27 Led/Fluo 20W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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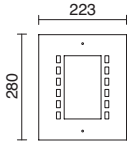
GREGAL

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

132B-G05X1A-30

E27 Led/Fluo 20W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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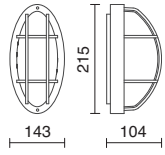
JANE

INOX AISI 304 | GLASS MAT | IP 44 | 110V 240V AC

160A-G05X1A-30

E27 Led/Fluo 8W max.

max. 110mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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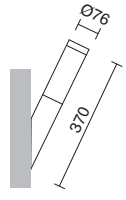
ABREGO

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

003A-G05X1A-30

E27 Led/Fluo 11W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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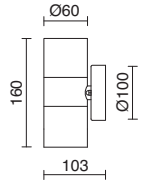
STAN

INOX AISI 304 | GLASS TRANS | IP 44 | 110V 240V AC

297A-G21X1A-30

GU10 LED **2x** 4,5W max.
GU10 HAL **2x** 35W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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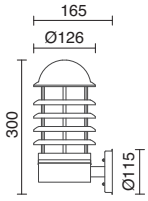
30 Inox / Stainless steel / Acier inoxydable / Aço inox

LEVECHE

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

177B-G05X1A-30

E27 Led/Hal 15W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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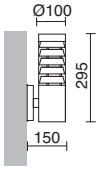
GALERNA

INOX AISI 304 | PC TRANS. | IP 44 | 110V 240V AC

117C-G05X1A-30

E27 Led/Fluo 18W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

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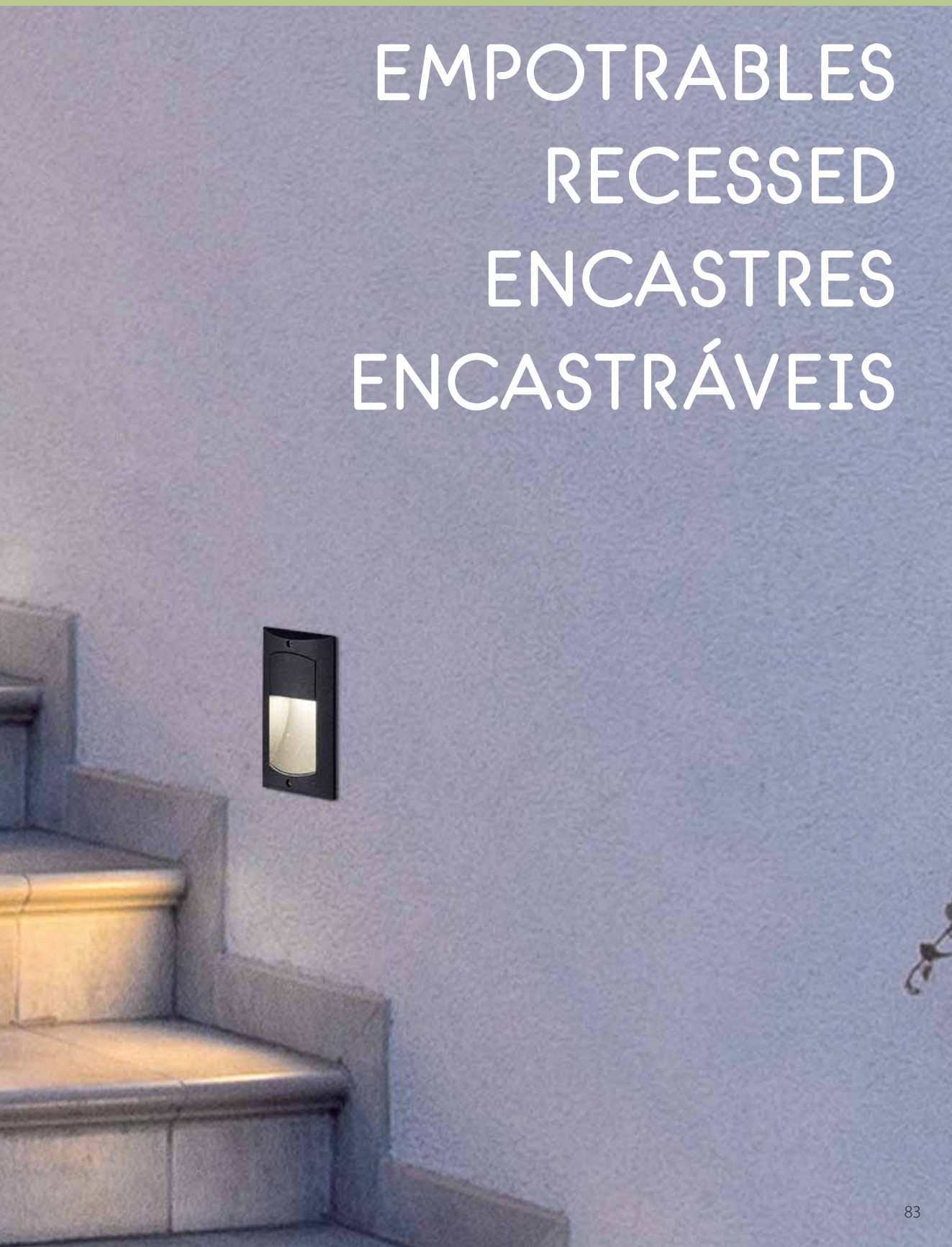
EMPOTRABLES
RECESSED
ENCASTRES
ENCASTRÁVEIS

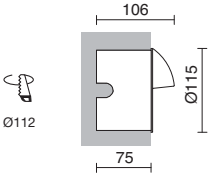


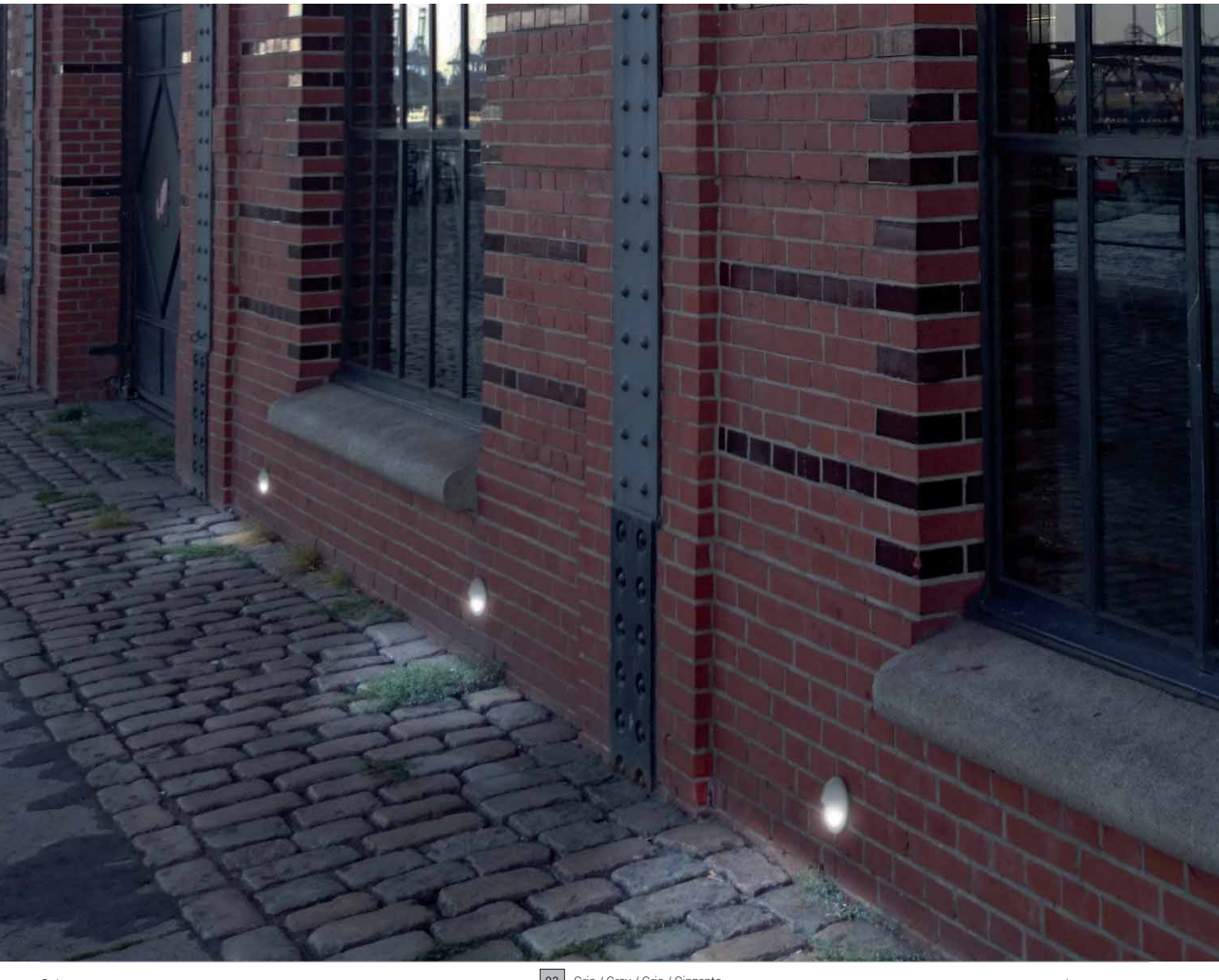
ANQUA

ALU | ALU | GLASS MAT | LED CREE | IP 54 | IK 08 | ASIM. | 48° | 110V 240V AC

532A-L0103A-03

LED SMD 3W 65lm 3000K





03 Gris / Grey / Gris / Cinzento

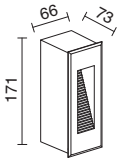
DAMBEL

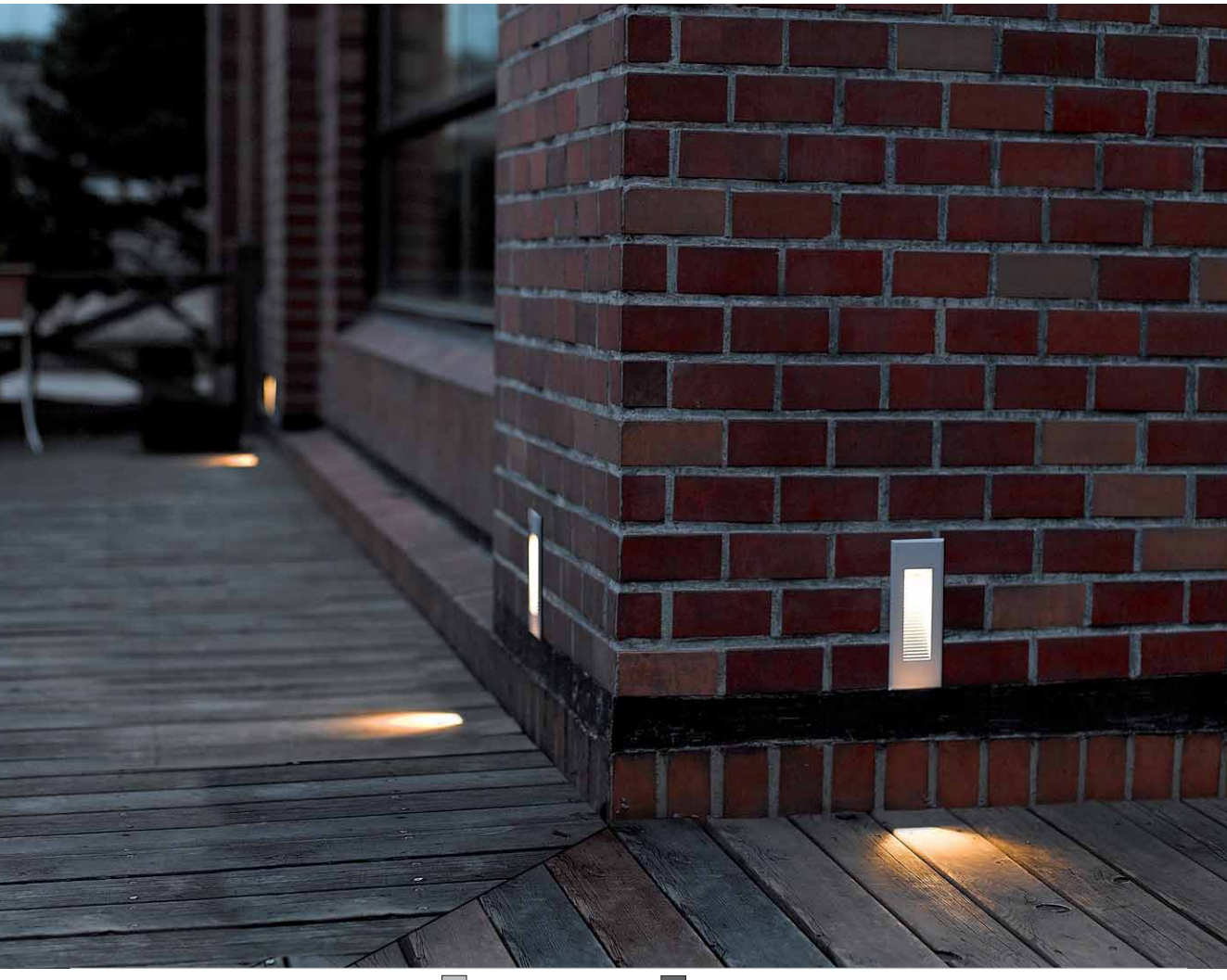
ALU | ALU | GLASS TRANS | LED CREE | IP 65 | ASIM. | 23° | 110V 240V AC

543A-L0103A-03
543A-L0103A-04

LED SMD 3W 59lm 3000K

66x171





03 Gris / Grey / Gris / Cinzento

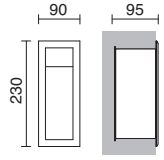
04 Antracita / Anthracite / Anthracite / Antracite

BELVEDERE

ALU | ALU | GLASS TRANS | LED | IP 54 | IK 08 | ASIM. | 220V 240V AC

541A-L0103B-03

LED SMD AC 2,5W 65lm 3000K



235x95

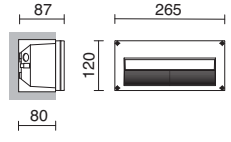
IPONENT

ALU | GLASS MAT | ALU | IP 54 | ASIM. | 47° | 220V 240V AC

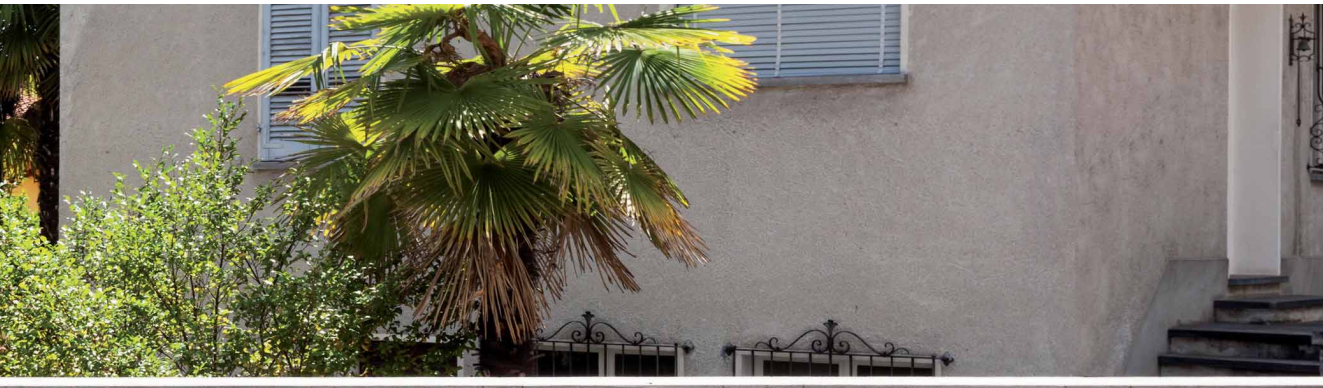
251A-F1226B-03

G24 d3 Fluo 26W

270x125



03 Gris / Grey / Gris / Cinzento

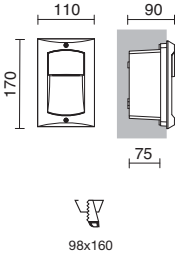


LARA

ALU | ALU | GLASS MAT | LED | IP 65 | IK 10 | ASIM. | 220V 240V AC

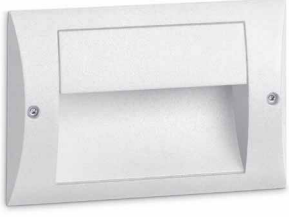
854A-L0104A-01 □
854A-L0104A-04 ■

LED SMD 4W 117lm 3000K



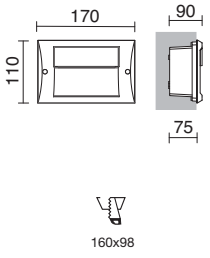
LARA

ALU | GLASS MAT | ALU | LED | IP 65 | IK 10 | ASIM. | 220V 240V AC



854B-L0104A-01 □
854B-L0104A-04 ■

LED SMD 4W 151lm 3000K



01 Blanco / White / Blanc / Branco

04 Antracita / Anthracite / Anthracite / Antracite

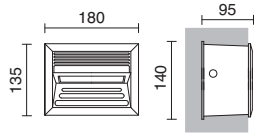
DALI

ALU | ALU | PC OPAL | LED | IP 65 | IK 07 | ASIM. | 220V 240V AC

079A-L0203B-03

LED SMD AC 1,8W 5200K

143x183



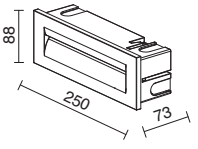
AMBERES

ALU | ALU | PC TRANS | LED | IP 65 | ASIM. | 42° | 110V 240V AC

643A-L0109A-04

LED SMD 9W 190lm 3000K

245x80



03 Gris / Grey / Gris / Cinzento

04 Antracita / Anthracite / Anthracite / Antracite

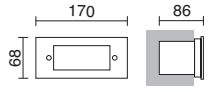
Dopo

BARLIA

INOX AISI 304 | ALU | GLASS MAT | LED | IP 54 | IK 08 | 220V 240V AC

540A-L0102B-30

LED SMD AC 0,8W 69lm 3000K



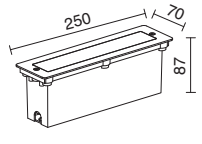
159x50

DAS

INOX AISI 304 | ALU | PC MAT | LED CREE | IP 65 | 86° | 110V 240V AC

544A-L0105A-30

LED SMD 5W 500lm 3000K



65x240

30 Inox / Stainless steel / Acier inoxydable / Aço inox

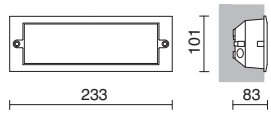
XALOC

ALU | ALU | GLASS MAT | IP 44 | 95° | 110V 240V AC

350A-G05X1A-01 ☐
350A-G05X1A-02 ■

E27 Led/Fluo 20W max.

max. 120mm



243x102

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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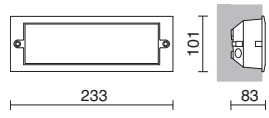
XALOC

INOX AISI 304 | ALU | GLASS MAT | IP 44 | 95° | 110V 240V AC

350C-G05X1A-30 ▩

E27 Led/Fluo 20W max.

max. 120mm



243x102

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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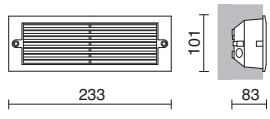
XALOC

INOX AISI 304 | ALU | GLASS MAT | IP 44 | 72° | 110V 240V AC

350D-G05X1A-30 ▩

E27 Led/Fluo 20W max.

max. 120mm



243x102

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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01 Blanco / White / Blanc / Branco | 02 Negro / Black / Noir / Preto | 30 Inox / Stainless steel / Acier inoxydable / Aço inox

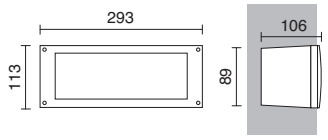
DEVON

RESIN RESIN PMMA OPAL IP 66 IK 10 110V 240V AC
SEA SIDE SUITABLE

084A-G31X2A-01 □
084A-G31X2A-02 ■
084A-G31X2A-03 ■

GX53 LED T2 **2x** (3W 350lm) 3000K

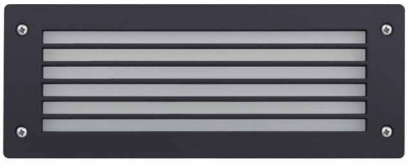
Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



284x104

pag. 62

DEVON

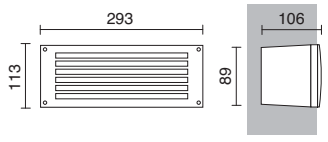


RESIN RESIN PMMA OPAL IP 66 IK 10 110V 240V AC
SEA SIDE SUITABLE

084B-G31X2A-02 ■
084B-G31X2A-03 ■

GX53 LED T2 **2x** (3W 350lm) 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



284x104

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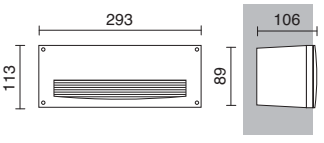
DEVON

RESIN RESIN PMMA OPAL IP 66 IK 10 ASIM. 110V 240V AC
SEA SIDE SUITABLE

084C-G31X2A-01 □
084C-G31X2A-02 ■
084C-G31X2A-03 ■

GX53 LED T2 **2x** (3W 350lm) 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



284x104

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

pag. 62

01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto 03 Gris / Grey / Gris / Cinzento

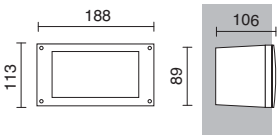
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084G-G31X1A-01 □
084G-G31X1A-02 ■
084G-G31X1A-03 ▩

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



180x104

pag. 62

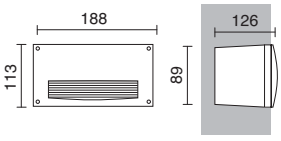
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | ASIM. | 110V 240V AC | SEA SIDE SUITABLE

084I-G31X1A-01 □
084I-G31X1A-02 ■
084I-G31X1A-03 ▩

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



180x104

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

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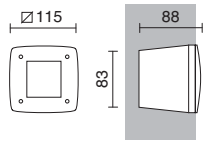
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084A-G31X1A-01 □
084A-G31X1A-02 ■
084A-G31X1A-03 ■

GX53 LED T2 **2x** (3W 350lm) 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



96x96

pag. 62

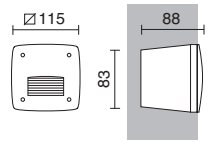
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | ASIM. | 110V 240V AC | SEA SIDE SUITABLE

084C-G31X1A-01 □
084C-G31X1A-03 ■

GX53 LED T2 **2x** (3W 350lm) 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



96x96

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

pag. 62

01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto 03 Gris / Grey / Gris / Cinzento

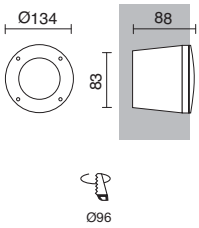
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | 110V 240V AC | SEA SIDE SUITABLE

084D-G31X1A-02 ■
084D-G31X1A-03 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



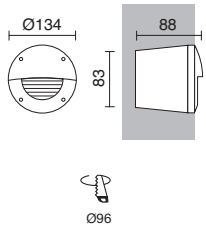
DEVON

RESIN | RESIN | PMMA OPAL | IP 66 | IK 10 | ASIM. | 110V 240V AC | SEA SIDE SUITABLE

084F-G31X1A-02 ■
084F-G31X1A-03 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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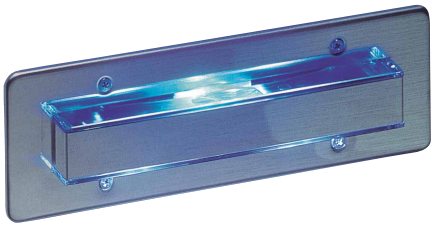
SYNA

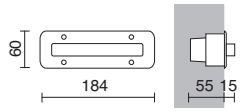
INOX AISI 304 | TECNO POLIM | PC TRANS | LED | IP 68 max. 3m | IK 08 | 55°

110V 240V AC | 350mA DC



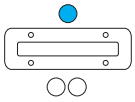
305A-L9804H-30

LED SMD 3W 3000K (⊖)



177x56

1 Led

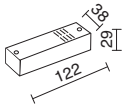


2 Leds (3000K)

Alimentador / Power supply / Alimentateur / Alimentador

B02A-X3317H-01
IN 110-240 V AC / I OUT 350 mA max. 17W IP20 (max. 4 unit.)

(Pag. 216-217)



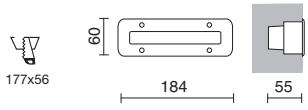
30 Inox / Stainless steel / Acier inoxydable / Aço inox

SYNA

INOX AISI 304 · TECNO POLIM · PC TRANS · LED · IP 68 max. 3m · IK 08 · 55° · 1000 Kg · 350mA DC

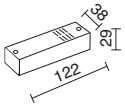
305B-L0104H-30

LED SMD 3W 300lm 3000K



Alimentador / Power supply / Alimentateur / Alimentador

B02A-X3317H-01
IN 110-240 V AC / I OUT 350 mA max. 17W IP20 (max. 4 unit.)



(Pag. 216-217)

SYNA

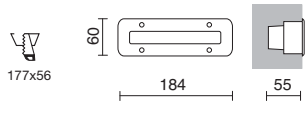
INOX AISI 304 · TECNO POLIM · PC TRANS · LED · IP 68 max. 3m · IK 08 · 55° · 1000 Kg · 24V DC

305C-L0102F-30

LED SMD 1W 3500K

305C-L1002F-30

LED SMD 1W

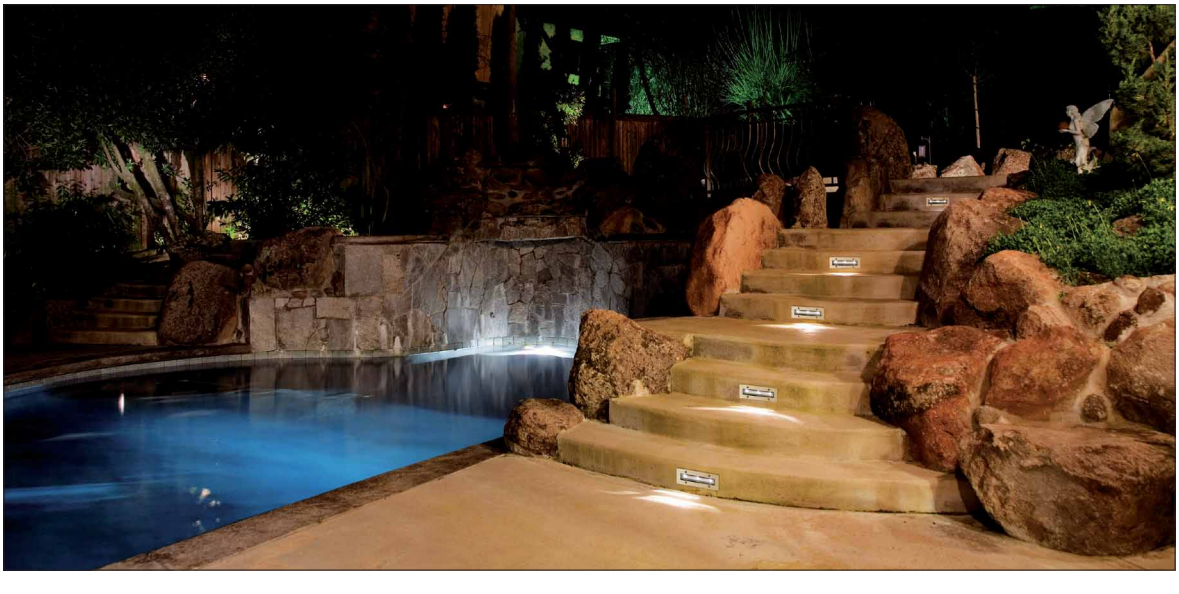


Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02A-X33X2F-01
IN 200-240 V AC / OUT 24 V DC 15W IP20 (max. 7 unit.)

B02Q-X3312F-01
IN 90-295 V AC / OUT 24 V DC 12W IP30 (max. 6 unit.)

(Pag. 216-217)

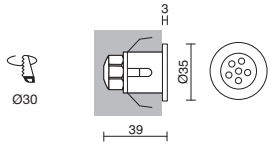


IROMA

INOX AISI 304 | PMMA | PC MAT | LED | IP 67 | 1m | 12V AC

367A-L03E1D-30

LED SMD 0,3W 6000K



Alimentador / Power supply / Alimentateur / Alimentador

B02J-X3350D-02
IN 220-240 V AC / OUT 12 V AC max. 50W IP65

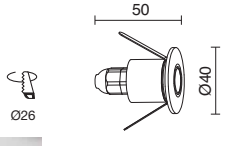
(Pag. 216-217)

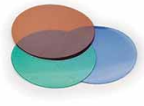
DONISI

ALU | ALU | GLASS PRISM | LED | IP 65 | 33° | 110V 240V AC

546A-L0101A-30

LED SMD 1W 72lm 3000K





Posibilidad de añadir filtros de colores (no incluidos).
Possibility to add colour filters (not included).
On peut s'ajouter filtres à couleurs (non inclus).
Possibilidade de adicionar filtros de core (no incluido).

Filtros / Filters / Filtres / Filtros

A14A-546-07 Rojo / Red / Rouge / Vermelho
A14A-546-05 Verde / Green / Verd / Verde
A14A-546-06 Azul / Blue / Bleu / Azul

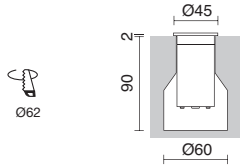
30 Inox / Stainless steel / Acier inoxydable / Aço inox

IBERNA N

ALU | INOX AISI 304 | GLASS MAT | LED | IP 67 | IK 07 | >90cm | 45° | 500 Kg | 59° | 24V DC

912A-L0101F-30

LED SMD 0,9W 19lm 3000K



Alimentador / Power supply / Alimentateur / Alimentador

B02Q-X3312F-01
IN 90-295 V AC / OUT 24 V DC 12W IP30 (max. 10 unit)

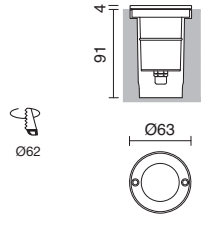
(Pag. 216-217)

GLASS

INOX 316L | ALU | GLASS TRANS | LED | IP 67 | 45cm | 11° | 2000 Kg a 25 Km/h | 220V 240V AC

031A-L0301B-30

LED SMD 1W 6000K

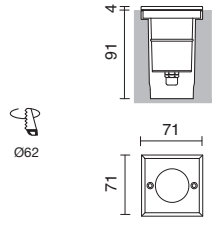


GLASS

INOX 316L | ALU | GLASS TRANS | LED | IP 67 | 45cm | 11° | 2000 Kg a 25 Km/h | 220V 240V AC

031B-L0301B-30

LED SMD 1W 6000K



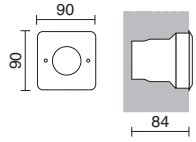
30 Inox / Stainless steel / Acier inoxydable / Aço inox

NAT-LED

INOX AISI 304 · TECNO POLIM · PC MAT · LED · IP 68 (max. 3m) · IK 10 · 40° · 1000 Kg · 24V DC

213A-L0102F-30

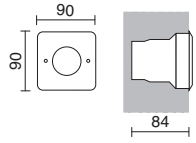
LED SMD 1,5W max. 3500K



Ø80

213A-L1002F-30

LED SMD 1,5W max.



Alimentadores / Power supplies / Alimentateurs / Alimentadores

	B02A-X33X2F-01 IN 200-240 V AC / OUT 24 V DC 15W IP20 (max. 5 unit.)
	B02Q-X3312F-01 IN 90-295 V AC / OUT 24 V DC 12W IP30 (max. 6 unit.)

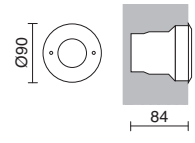
(Pag. 216-217)

NAT-LED

INOX AISI 304 · TECNO POLIM · PC MAT · LED · IP 68 (max. 3m) · IK 10 · 40° · 1000 Kg · 24V DC

213B-L0102F-30

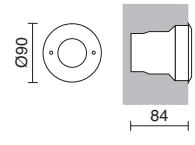
LED SMD 1,5W max. 3500K



Ø80

213B-L1002F-30

LED SMD 1,5W max.



Alimentadores / Power supplies / Alimentateurs / Alimentadores

	B02A-X33X2F-01 IN 200-240 V AC / OUT 24 V DC 15W IP20 (max. 5 unit.)
	B02Q-X3312F-01 IN 90-295 V AC / OUT 24 V DC 12W IP30 (max. 6 unit.)

(Pag. 216-217)

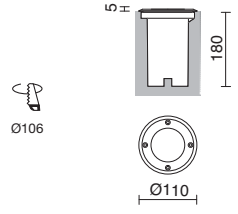
30 Inox / Stainless steel / Acier inoxydable / Aço inox

BORA

INOX AISI 316 | ALU | GLASS TRANS | IP 67 | IK 08 | 2000 Kg a 25 Km/h | 110V 240V AC

037A-G21X1A-30

GU10 LED 4,5W max.



Doble posición del portalámparas.
Double positionning of the lamp holder.
Double position de la douille.
Dupla posição del casquilho.

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

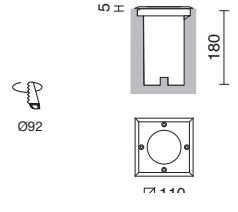
pag. 213

BORA

INOX AISI 316 | ALU | GLASS TRANS | IP 67 | IK 08 | 2000 Kg a 25 Km/h | 110V 240V AC

037B-G21X1A-30

GU10 LED 4,5W max.



Doble posición del portalámparas.
Double positionning of the lamp holder.
Double position de la douille.
Dupla posição del casquilho.

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

pag. 213

30 Inox / Stainless steel / Acier inoxydable / Aço inox

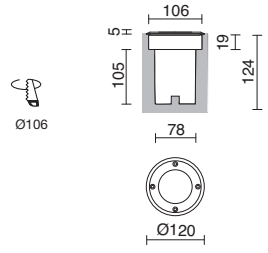
Dopo

BORA LED

INOX AISI 316 | ALU | GLASS TRANS | LED CREE | IP 67 | 27.000h | 500 Kg | 30cm | 110V 240V AC

037A-L02D1A-30

LED SMD 3W 175lm 4000K

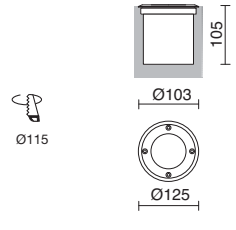


LOO

INOX AISI 304 | ALU | GLASS TRANS | LED CREE | IP 67 | 27.000h | 60° | 500 Kg | 15cm | 100° | 110V 240V AC

183A-L0206A-30

LED SMD 6W 175lm 4000K



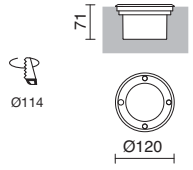
30 Inox / Stainless steel / Acier inoxydable / Aço inox

SIO

INOX AISI 316 | ALU | GLASS MAT | IP 67 | 1000 Kg | 110V 240V AC

379A-G31X1A-30

GX53 LED T2 3W 350lm 3000K



Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

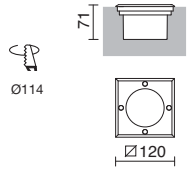
pag. 211

SIO

INOX AISI 316 | ALU | GLASS MAT | IP 67 | 1000 Kg | 110V 240V AC

379B-G31X1A-30

GX53 LED T2 3W 350lm 3000K



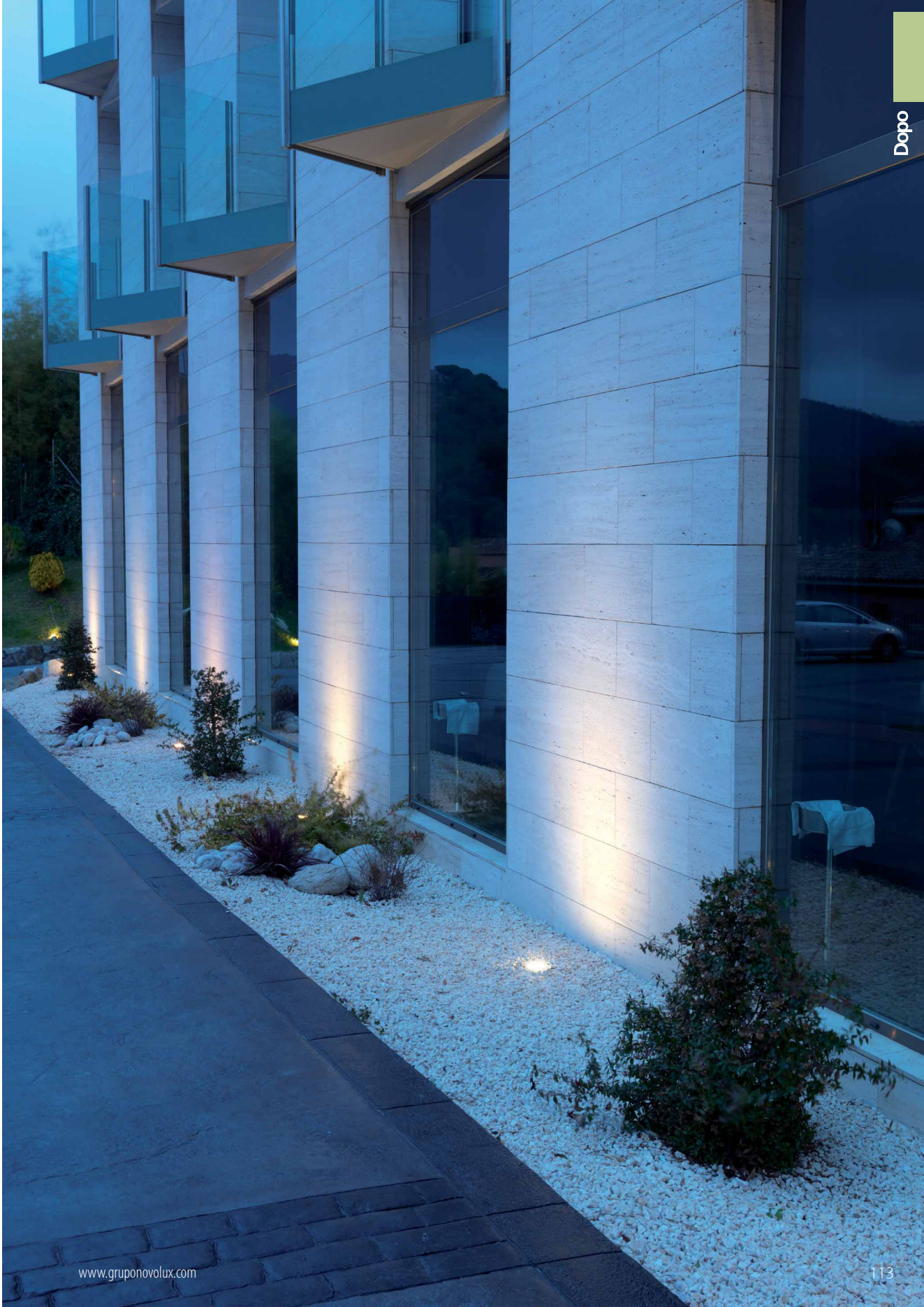
Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

30 Inox / Stainless steel / Acier inoxydable / Aço inox



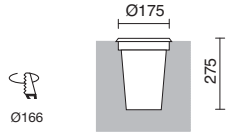
Dopo

WALKER

INOX AISI 304 · TERMO PLASTIC · PC OPAL · LED CITIZEN · IP 67 · IK 10 · 60° · 2000 Kg · 100° · 220V 240V AC

349A-L0107B-30

LED COB 6,5W 850lm 3000K



WALKER

INOX AISI 304 · TERMO PLASTIC · PC TRANS · IP 67 · IK 10 · 2000 Kg · 110V 240V AC

349A-G05X1A-30

E27 Led/Fluo 23W max.

Incorpora un cristal matizado interno.
Incorporates internal frosted glass lens.
Verre trempé interne incorporé.
Inclui um vidro interno fosco.

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

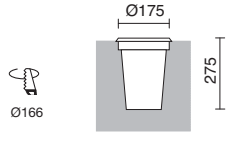
pag. 212

WALKER

INOX AISI 304 · TERMO PLASTIC · PC TRANS · IP 67 · IK 10 · 85° · 2000 Kg · 220V 240V AC

349A-F1318B-30

G24 q2 Fluo 18W



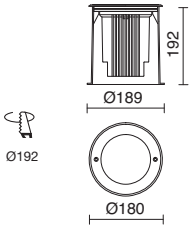
30 Inox / Stainless steel / Acier inoxydable / Aço inox

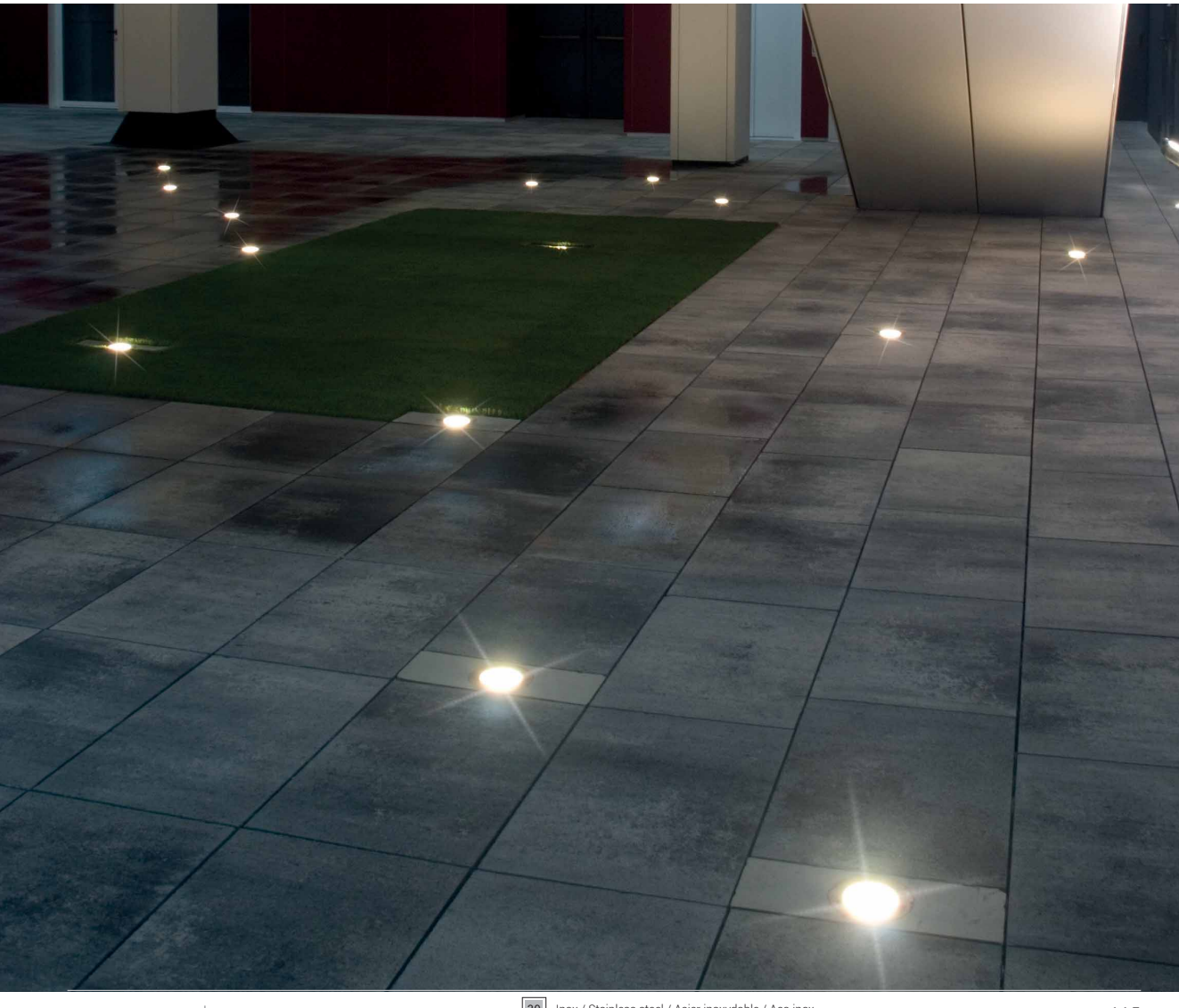
ADGO

INOX AISI 304 | ALU | GLASS TRANS | LED CREE | IP 67 | IK 10 | 45° | 500 Kg | 40cm | ±15° | 24° | 110V 240V AC

792A-L0115A-30

LED COB 15W 1250lm 3000K



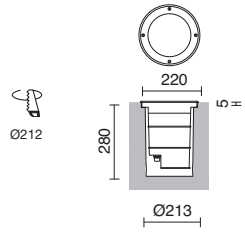


LIBECCIO

INOX AISI 316 | ALU | GLASS TRANS | IP 67 | 20° | 15° | 102° | 134° | 2000 Kg a 25 Km/h | 220V 240V AC

178A-M0770B-30

G12 HIT 70W



Incluye 2 reflectores.
2 reflectors included.
2 réflecteurs inclue.
2 refletors incluidos.

15° Reflector faceteado
Faceted reflector
Réflecteur àfacettes
Refletor os facetas

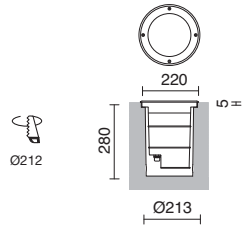
102° Reflector matizado
Frosted reflector
Réflecteur teinté
Refletor os fosco

LIBECCIO

INOX AISI 316 | ALU | GLASS TRANS | IP 67 | 98° | 2000 Kg a 25 Km/h | 220V 240V AC

178A-F1226B-30

G24 d3 Fluo 26W

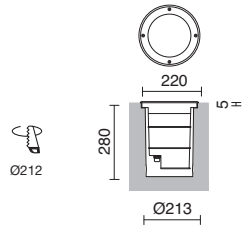


LIBECCIO

INOX AISI 316 | ALU | GLASS TRANS | LED | IP 67 | 15° | 33° | 2000 Kg a 25 Km/h | 110V 240V AC

178A-L98D7B-30

LED SMD 9x 1W 6000K



30 Inox / Stainless steel / Acier inoxydable / Aço inox

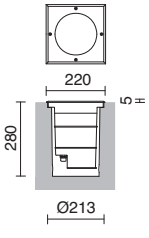
LIBECCIO

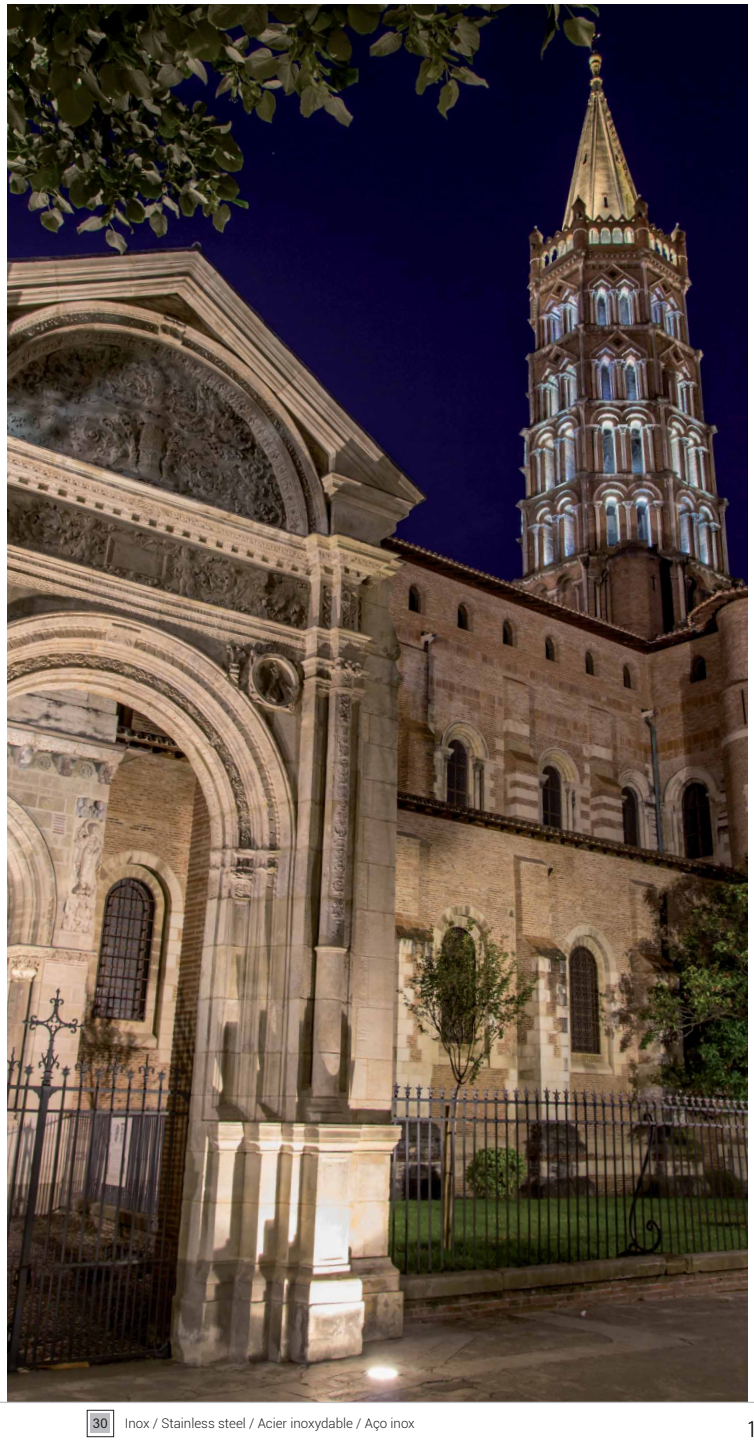
INOX AISI 316 | ALU | GLASS TRANS | IP 67 | 98° | 2000 Kg a 25 Km/h | 220V 240V AC

178B-F1226B-30

G24 d3 Fluo 26W

Ø212





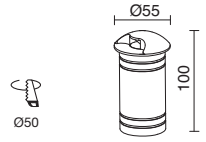
30 Inox / Stainless steel / Acier inoxydable / Aço inox

ARLET

ALU ALU PC TRANS LED CREE IP 67 IK 08 50.000h +50° -15° 12V AC

644A-L0203D-39

LED SMD 3W 300lm 4000K



Alimentador / Power supply / Alimentateur / Alimentador

B02J-X3350D-02
IN 220-240 V AC / OUT 12 V AC max. 50W IP65

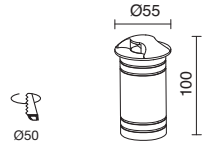
(Pag. 216-217)

ARLET

ALU ALU PC TRANS LED CREE IP 67 IK 08 50.000h +50° -15° 12V AC

644B-L0203D-39

LED SMD 3W 300lm 4000K



Alimentador / Power supply / Alimentateur / Alimentador

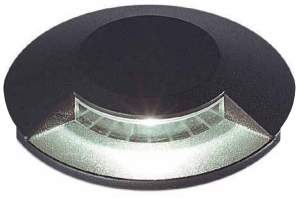
B02J-X3350D-02
IN 220-240 V AC / OUT 12 V AC max. 50W IP65

(Pag. 216-217)

39 Aluminio anodizado / Anodized aluminum / Aluminium anodisé / Alumínio anodizado

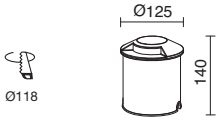
MARTINA

ALU ALU PC TRANS LED CREE IP 67 26.300h 500Kg 110° 110V 240V AC



645A-L0207A-04

LED SMD 7W 67lm 4000K

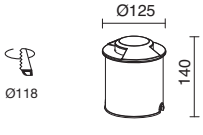


MARTINA

ALU ALU PC TRANS LED CREE IP 67 26.300h 500Kg 99° 110V 240V AC

645B-L0207A-04

LED SMD 7W 135lm 4000K



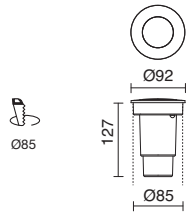
BELGRADO-9

RESIN RESIN PC MAT IP 67 500Kg 110V 240V AC SEA SIDE SUITABLE

557A-G21X1A-02 ■

GU10 LED 3,5W 400lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



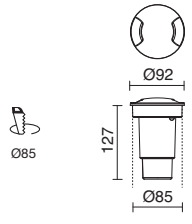
BELGRADO-9

RESIN RESIN PC MAT IP 67 500Kg 110V 240V AC SEA SIDE SUITABLE

557B-G21X1A-02 ■

GU10 LED 3,5W 400lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



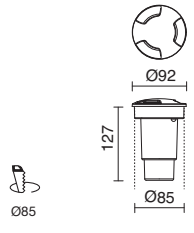
BELGRADO-9

RESIN RESIN PC MAT IP 67 500Kg 110V 240V AC SEA SIDE SUITABLE

557C-G21X1A-02 ■

GU10 LED 3,5W 400lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED PRO

pag. 213

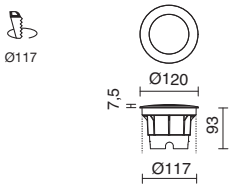
02 Negro / Black / Noir / Preto

BELGRADO-12

373A-G31X1A-02 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

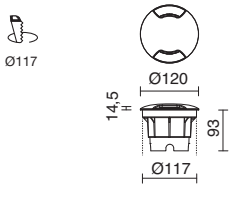


BELGRADO-12

373B-G31X1A-02 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída

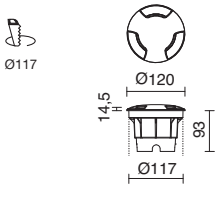


BELGRADO-12

373C-G31X1A-02 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

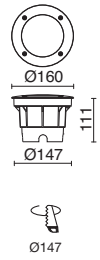
BELGRADO-16

RESIN · RESIN · PMMA MAT · IP 67 · 500Kg · 110V 240V AC · SEA SIDE SUITABLE

372A-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



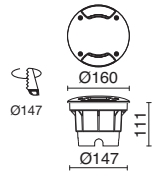
BELGRADO-16

RESIN · RESIN · PMMA MAT · IP 67 · 500Kg · 110V 240V AC · SEA SIDE SUITABLE

372B-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



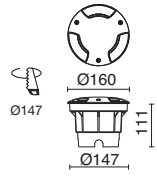
BELGRADO-16

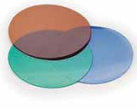
RESIN · RESIN · PMMA MAT · IP 67 · 500Kg · 110V 240V AC · SEA SIDE SUITABLE

372C-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída





Posibilidad de añadir filtros de colores (no incluidos).
Possibility to add colour filters (not included).
On peut s'ajouter filtres à couleurs (non inclus).
Possibilidade de adicionar filtros de core (no incluido).

Filtros / Filters / Filtres / Filtros

A14A-409-08 Naranja / Orange / Orange / Laranja
A14A-409-05 Verde / Green / Verd / Verde
A14A-409-06 Azul / Blue / Bleu / Azul

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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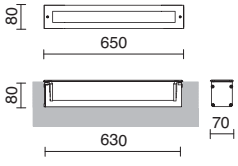
02 Negro / Black / Noir / Preto

IPUELCHE

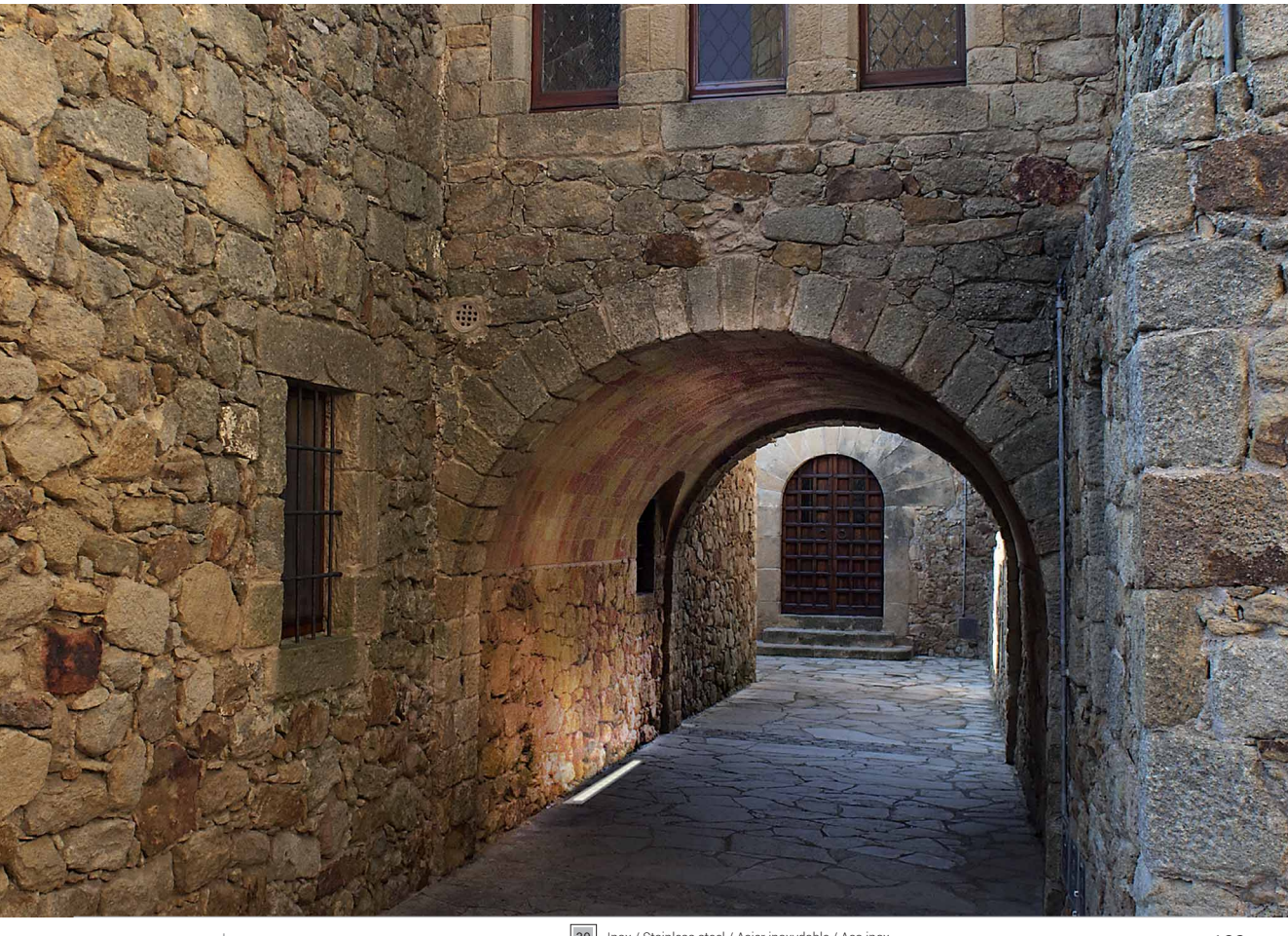
INOX ALU GLASS TRANS. LED IP 67 IK 07 50.000h 500Kg 30° 220V 240V AC



630x70

257C-L0215B-30

LED SMD 15W 1110lm 4000K



30 Inox / Stainless steel / Acier inoxydable / Aço inox

BALIZAS
BOLLARDS
BORNES
ELEM. BALIZADORES

ADAY

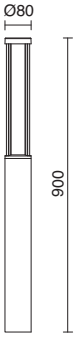
ALU | PC OPAL | LED | IP 54 | 110V 240V AC | 30.000h

848C-L0118A-04

LED SMD 18W 1341lm 3000K

848B-L0118A-04

LED SMD 18W 1341lm 3000K



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04 Antracita / Anthracite / Anthracite / Antracite

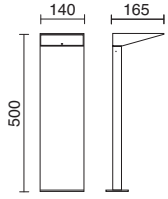
COMO N

SOLAR

SUN | ALU | PC OPAL | LED | IP 54 | 46°

916A-L0103K-04

LED SMD 2,2W 250lm 3000K



Tiempo de carga:6/8h
Duración carga completa: 12h
Nivel sensor: 100 lux
Amplitud térmica: 0-60 ºC

Loading time: 6/8h
Full load duration: 12h
Sensor level: 100 lux
Thermal amplitude: 0-60 ºC

Temps de chargement: 6/8hrs
Durée pleine charge: 12hrs
Niveau détecteur: 100 lux
Amplitude thermique: 0-60 ºC

Tempo de carga: 6/8h
Duração carga completa: 12h
Nível de sensor: 100 lux
Amplitude térmica: 0-60 ºC

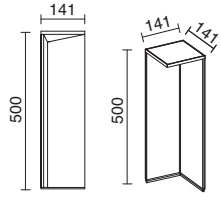
COMO N

SOLAR

SUN | ALU | PC OPAL | LED | IP 54 | 74°

916C-L0103K-04

LED SMD 2,2W 370lm 3000K



Tiempo de carga:6/8h
Duración carga completa: 12h
Nivel sensor: 100 lux
Amplitud térmica: 0-60 ºC

Loading time: 6/8h
Full load duration: 12h
Sensor level: 100 lux
Thermal amplitude: 0-60 ºC

Temps de chargement: 6/8hrs
Durée pleine charge: 12hrs
Niveau détecteur: 100 lux
Amplitude thermique: 0-60 ºC

Tempo de carga: 6/8h
Duração carga completa: 12h
Nível de sensor: 100 lux
Amplitude térmica: 0-60 ºC

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04 Antracita / Anthracite / Anthracite / Antracite

SOLEI

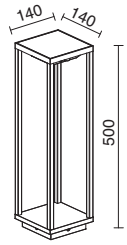
SOLAR

Base para anclar a suelo
Base to anchor to the ground
Base d'ancrage au sol
Base para chumbar ao solo

SUN LED ALU PC TRANS. IP 54 35°

853A-L01X1K-04

LED SMD 2,2W 231lm 3000K



Tiempo de carga: 8h
Duración carga completa: 12h
Nivel sensor: 30 lux
Amplitud térmica: 0-60 ºC

Loading time: 8h
Full load duration: 12h
Sensor level: 30 lux
Thermal amplitude: 0-60 º

Temps de chargement: 8hrs
Durée pleine charge: 12hrs
Niveau détecteur: 30 lux
Amplitude thermique: 0-60 ºC

Tempo de carga: 8h
Duração carga completa: 12h
Nível de sensor: 30 lux
Amplitude térmica: 0-60 ºC

04 Antracita / Anthracite / Anthracite / Antracite

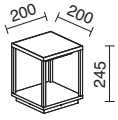
SOLEI

SOLAR

SUN LED ALU PC TRANS IP 54 35°

853B-L01X1K-04

LED SMD 3,5W 300lm 3000K



Base para anclar a suelo
Base to anchor to the ground
Base d'ancrage au sol
Base para chumbar ao solo

Tiempo de carga: 7h
Duración carga completa: 15h
Nivel sensor: 30 lux
Amplitud térmica: 0-60 ºC

Loading time: 7h
Full load duration: 15h
Sensor level: 30 lux
Thermal amplitude: 0-60 º

Temps de chargement: 7hrs
Durée pleine charge: 15hrs
Niveau détecteur: 30 lux
Amplitude thermique: 0-60 ºC

Tempo de carga: 7h
Duração carga completa: 15h
Nível de sensor: 30 lux
Amplitude térmica: 0-60 ºC

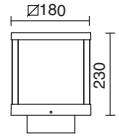
04 Antracita / Anthracite / Anthracite / Antracite

ARLEN

ALU | GLASS TRANS | LED CREE | IP 54 | 125° | 110V 240V AC

791B-L0112A-04

LED COB 13W 870lm 3000K



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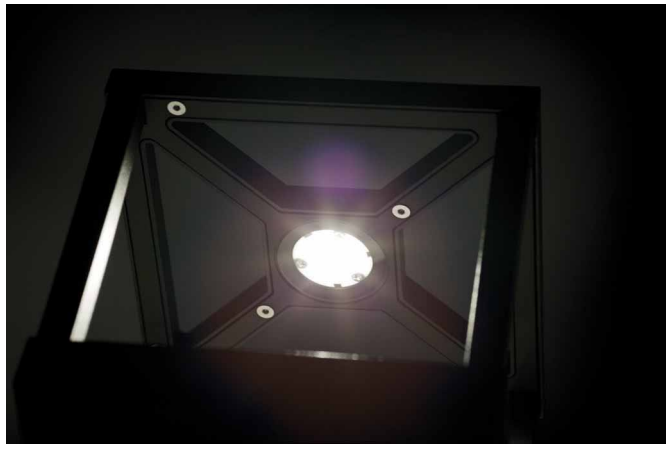
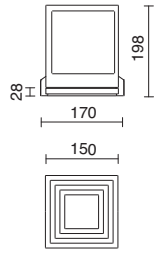


ANUBIS

ALU | GLASS MAT | IP 65 | IK 05 | 90° | 220V 240V AC

014A-F2626B-04

GX24 d3 Fluo 26W



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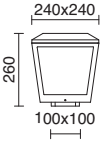
04 Antracita / Anthracite / Anthracite / Antracite

BLED N

ALU | PC MAT | LED | IP 65 | IK 06 | 110V 240V AC

911A-L0118A-04

LED SMD 18W 1952lm 3000K



Base para anclar a suelo
Base to anchor to the ground
Base d'ancrage au sol
Base para chumbar ao solo

Portátil / Portable / Portable / Portátil
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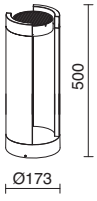
04 Antracita / Anthracite / Anthracite / Antracite

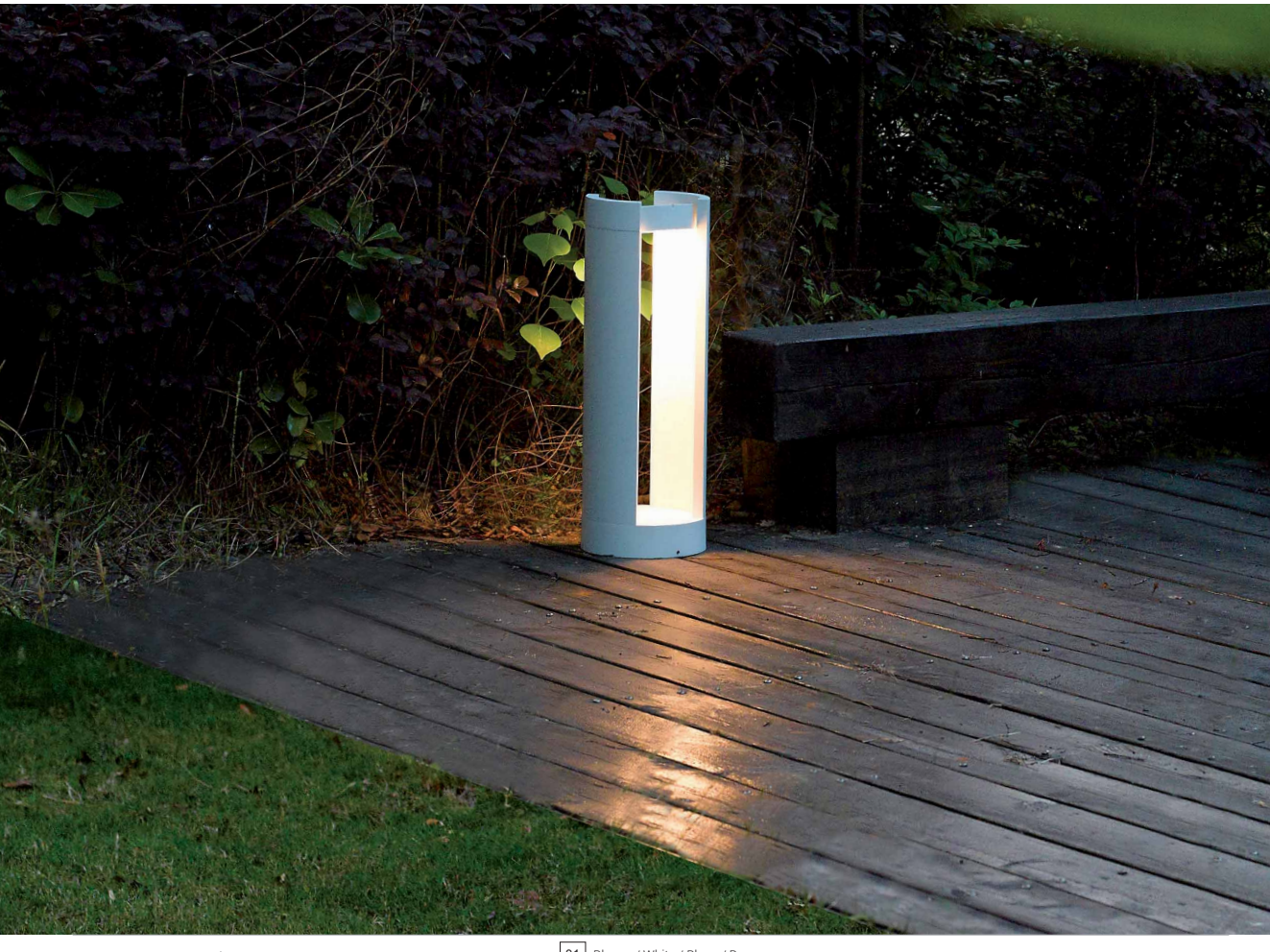
NURE

ALU | GLASS OPAL | LED | IP 65 | 300° | 27.000h | 46° | 220V 240V AC

639A-L0215B-01 □

LED SMD AC 15W 2145lm 4000K





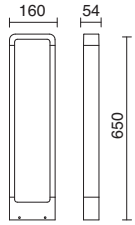
01 Blanco / White / Blanc / Branco

SIBILA

ALU | GLASS TRANS. | LED BRIDGELUX | IP 54 | IK 05 | 30.000h | 92° | 110V 240V AC

455A-L0105A-04 ■

LED COB 7W 497lm 3000K

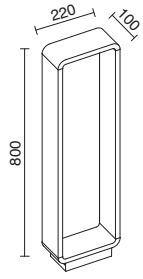


SIBILA

ALU | GLASS TRANS. | LED | IP 54 | IK 04 | 51° | 220V 240V AC

455B-L0110B-01 □
455B-L0110B-04 ■

LED COB AC 10W 645lm 3000K



01 Blanco / White / Blanc / Branco

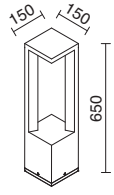
04 Antracita / Anthracite / Anthracite / Antracite

ADRANO

ALU | GLASS TRANS | LED CREE | IP 54 | 110V 240V AC

552A-L0108A-04

LED COB 8W 800lm 3000K

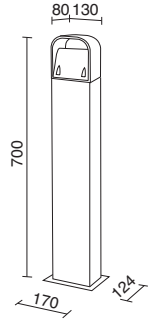


ZENDA

ALU | PC TRANS | LED | IP 55 | 110V 240V AC

461B-L0206A-04

LED COB 6W 350lm 4000K



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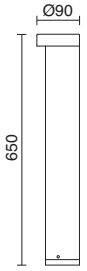
04 Antracita / Anthracite / Anthracite / Antracite

CAIRO

ALU | GLASS MAT | LED CREE | IP 54 | IK 08 | 26° | 110V 240V AC

537B-L0107A-04

LED COB 7W 477lm 3000K



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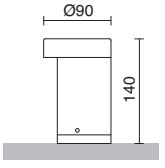
CAIRO

ALU | GLASS MAT | LED CREE | IP 54 | IK 08 | 26° | 110V 240V AC

537A-L0107A-04

LED COB 7W 477lm 3000K



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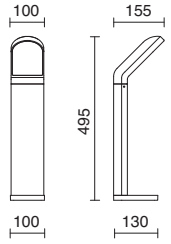
04 Antracita / Anthracite / Anthracite / Antracite

CASTELLO

ALU | GLASS MAT | LED | IP 54 | IK 07 | 103° | 110V 240V AC

534B-L0109A-01 □
534B-L0109A-04 ■

LED SMD 9W 711lm 3000K



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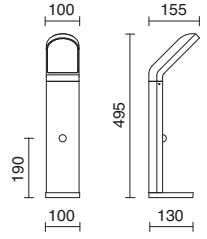
CASTELLO

ALU | GLASS MAT | LED 5630 SMD | IP 54 | IK 07 | 103° | 110V 240V AC

534D-L0109A-01 □
534D-L0109A-04 ■

LED SMD 9W 711lm 3000K



Con sensor crepuscular y movimiento.
With daylight and motion sensor.
Avec senseur crépusculaire et mouvement.
Con sensor crepuscular e movimento.

Regulación de:
- Distancia: 0>8 m.
- Tiempo de activación: de 5 seg. a 8 min.
- Intensidad de la luz: 10 - 2000lux
- Ángulo de detección: 100º

Adjustable:
- Distance: 0>8 m.
- Activation time: from 5 sec. to 8 min.
- Light intensity: 10 - 2000lux
- Detection angle: 100º

Règlement:
- Distance: 0>8 m.
- Temps d'activation: de 5 sec à 8 min.
- Intensité de la lumière: 10 - 2000lux
- Angle de détection: 100º

Regulação de:
- Distância: 0>8 m.
- Tempo de ativação: de 5s a 8 min
- Intensidade luminosa: 10 - 2000lux
- Ângulo de detecção: 100º

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01 Blanco / White / Blanc / Branco

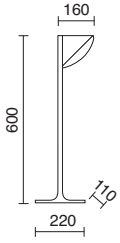
04 Antracita / Anthracite / Anthracite / Antracite

INTRO

ALU | PC MAT | IP 55 | IK 07 | 110V 240V AC

153D-G31X1A-02 ■

GX53 LED T2 6W max.



Lámpara recomendada
Recommended lamp
Lampe recommandée
Lâmpada recomendada

LED T2

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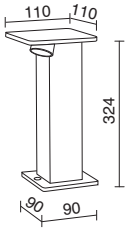
ALEA

ALU | PC TRANS | LED | IP 66 | 220V 240V AC

462A-L0205B-04 ■

LED COB 5W 250lm 4000K



02 Negro / Black / Noir / Preto

04 Antracita / Anthracite / Anthracite / Antracite

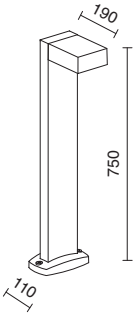
GUIU

ALU | GLASS TRANS. | IP 54 | 110V 240V AC

447A-G31X1A-04

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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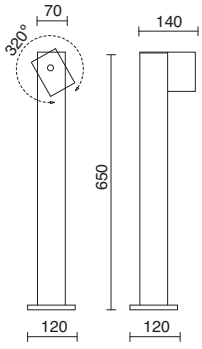
04 Antracita / Anthracite / Anthracite / Antracite

SUEVIS

ALU | GLASS TRANS | LED CREE | IP 54 | 320° | 110V 240V AC

452A-L0107A-04

LED COB 7W 466lm 3000K



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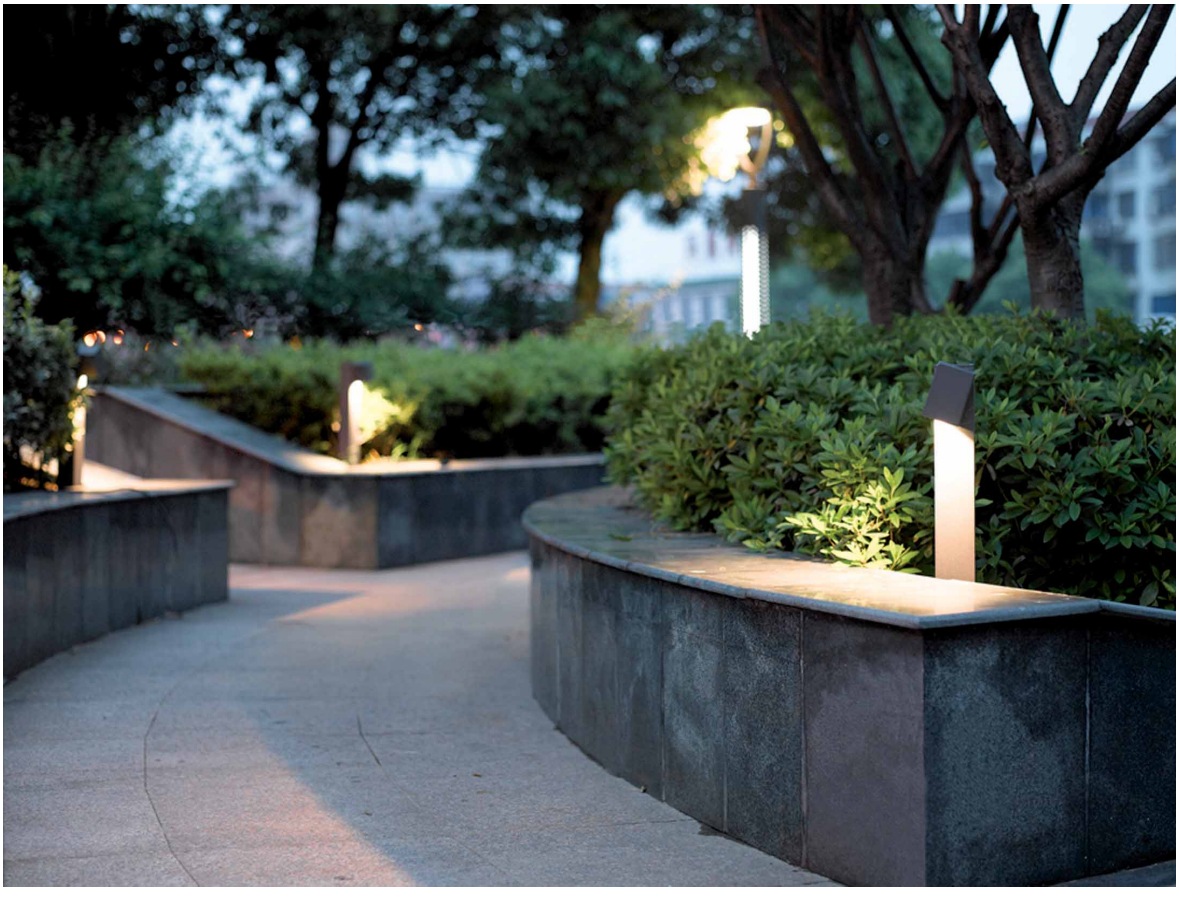


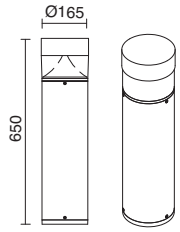
04 Antracita / Anthracite / Anthracite / Antracite

BINDELLA

ALU | PC TRANS. | LED CREE | IP 65 | IK 10 | 110V 240V AC

554A-L0108A-04

LED SMD 8W 800lm 3000K

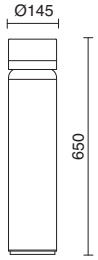


ADA

ALU | PC OPAL | LED CREE | IP 54 | 110V 240V AC

456A-L0106A-04

LED SMD 6W 178lm 3000K



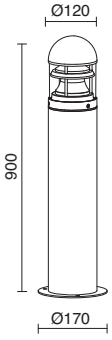
04 Antracita / Anthracite / Anthracite / Antracite

NATAN

ALU | PC TRANS. | IP 54 | 110V 240V AC

448A-G05X1A-04

E27 Led/Fluo 20W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

04 Antracita / Anthracite / Anthracite / Antracite

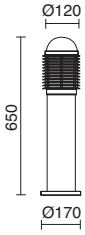
SIROCO

ALU | PC TRANS | IP 44 | 110V 240V AC

286A-G05X1A-03
286A-G05X1A-04

E27 Led/Fluo 14W max.

max. 133mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

03 Gris / Grey / Gris / Cinzento

04 Antracita / Anthracite / Anthracite / Antracite

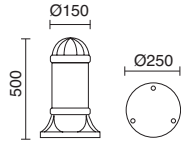
SAURO

RESIN | PMMA TRANS | IP 55 | U.V. TREATED | 110V 240V AC | SEA SIDE SUITABLE

272A-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



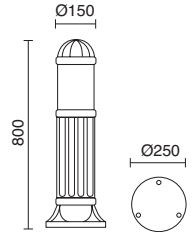
272A-G05X1A-02 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 30W max.
E27 HAL 42W

272B-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



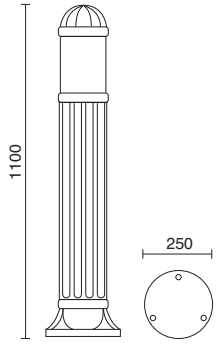
272B-G05X1A-02 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 30W max.
E27 HAL 42W

272C-G31X1A-02 ■

GX53 LED T2 7W 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



272C-G05X1A-02 ■

E27 LED 4W / 6W / 6,6W
E27 TC-TSE 30W max.
E27 HAL 42W

Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

pag. 211

LED FILAMENT

pag. 212

02 Negro / Black / Noir / Preto

SIMUN

ALU | PC TRANS. | IP 65 | 220V 240V AC

285A-F1226B-03
285A-F1226B-04

G24 d3 Fluo 26W

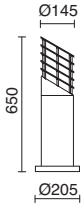
JASMIN

ALU | PC OPAL | IP 44 | 110V 240V AC

159A-G05X1A-03
159A-G05X1A-04

E27 Led/Fluo 23W max.

max. 172mm



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

03 Gris / Grey / Gris / Cinzento

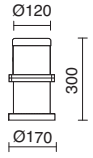
04 Antracita / Anthracite / Anthracite / Antracite

OMO

ALU | GLASS PRISM | IP 55 | 110V 240V AC

228A-G05X1A-02 ■

E27 Led/Fluo 23W max.

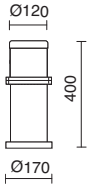


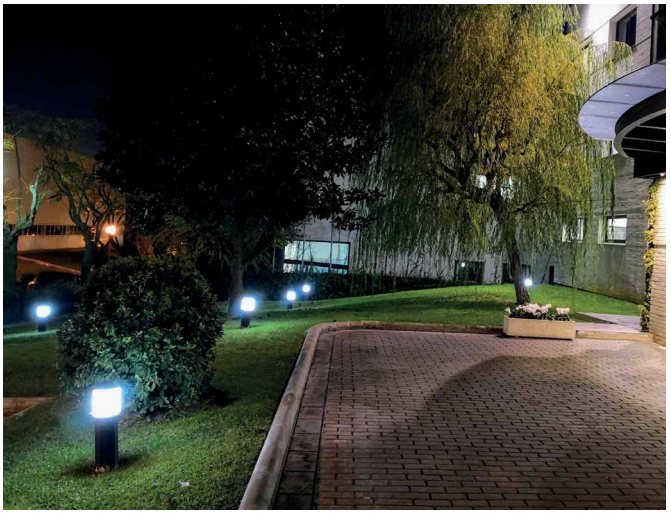
OMO

ALU | GLASS PRISM | IP 55 | 110V 240V AC

228B-G05X1A-02 ■
228B-G05X1A-04 ■
228B-G05X1A-05 ■
228B-G05X1A-91 ■

E27 Led/Fluo 23W max.





Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

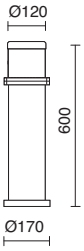
02 Negro / Black / Noir / Preto
04 Antracita / Anthracite / Anthracite / Antracite
05 Verde / Green / Verd / Verde
91 Marrón cobrizo / Copper brown / Brune cuivre / Marrom cobre

OMO

ALU | GLASS PRISM | IP 55 | 110V 240V AC

228C-G05X1A-02
228C-G05X1A-04
228C-G05X1A-05
228C-G05X1A-91

E27 Led/Fluo 23W max.

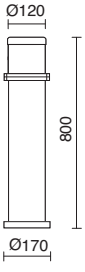


OMO

ALU | GLASS PRISM | IP 55 | 110V 240V AC

228D-G05X1A-02
228D-G05X1A-05

E27 Led/Fluo 23W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

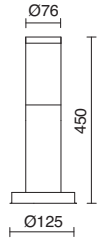
02 Negro / Black / Noir / Preto
04 Antracita / Anthracite / Anthracite / Antracite
05 Verde / Green / Verd / Verde
91 Marrón cobrizo / Copper brown / Brune cuivre / Marrom cobre

ABREGO

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

003B-G05X1A-30

E27 Led/Fluo 11W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

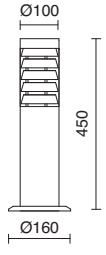
pag. 80

GALERNA

INOX AISI 304 | PC TRANS. | IP 44 | 110V 240V AC

117B-G05X1A-30

E27 Led/Fluo 18W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

pag. 81

30 Inox / Stainless steel / Acier inoxydable / Aço inox

TRIKI

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

328A-G05X1A-30

E27 Led/Fluo 15W max.

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

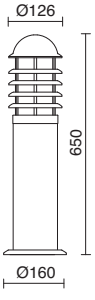
pag. 212

LEVECHE

INOX AISI 304 | PC OPAL | IP 44 | 110V 240V AC

177A-G05X1A-30

E27 Led/Fluo 15W max.

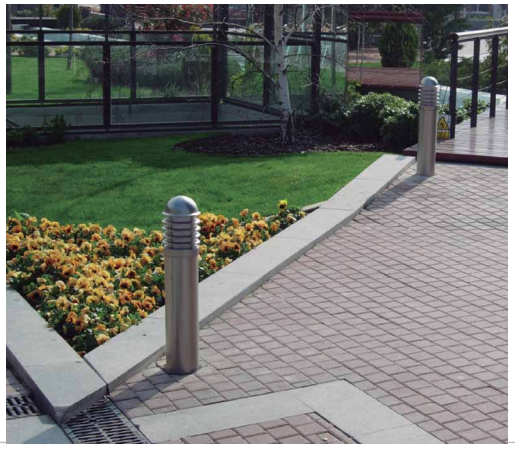


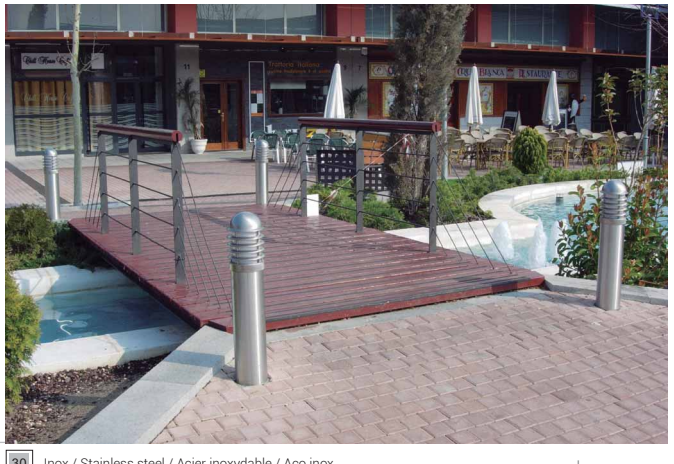
Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

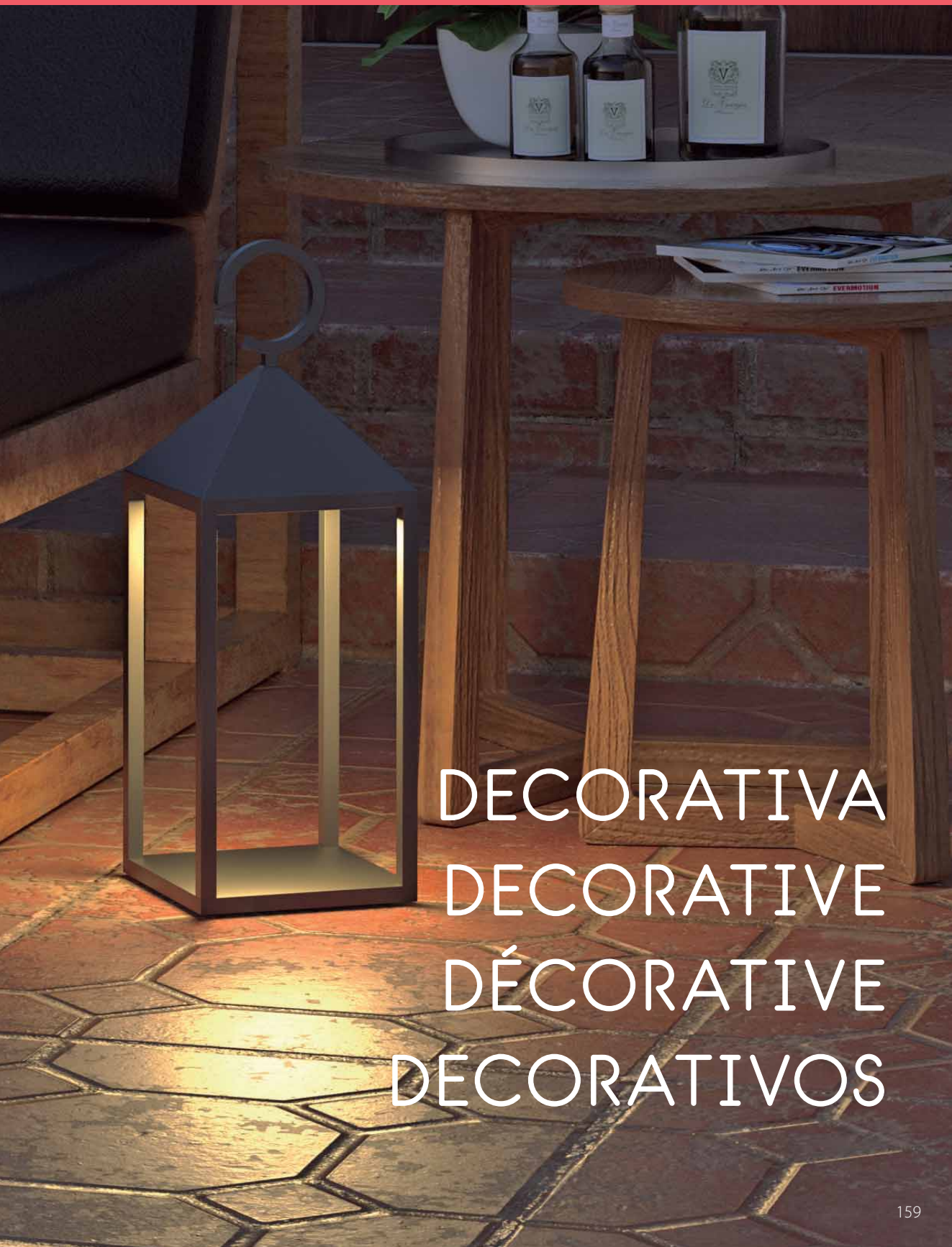
pag. 212

pag. 81





30 Inox / Stainless steel / Acier inoxydable / Aço inox



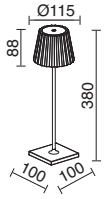
DECORATIVA
DECORATIVE
DÉCORATIVE
DECORATIVOS

LITTA N

ALU | PC TRANS | LED | IP 54 | ON OFF | 9h | 5h | 45°

914A-L0103L-01 ☐

LED SMD 2,2W 231lm 3000K



Cargador USB incluido
USB charger included
Chargeur USB inclus
Carregador USB incluído
5V DC/1A (110/240V 50/60Hz)

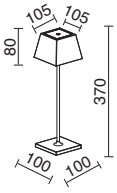
01 Blanco / White / Blanc / Branco

LITTA N

ALU | PC TRANS | LED | IP 54 | ON OFF | 9h | 5h | 45°

914B-L0103L-02 ■

LED SMD 2,2W 231lm 3000K



Cargador USB incluido
USB charger included
Chargeur USB inclus
Carregador USB incluído
5V DC/1A (110/240V 50/60Hz)

BLED N

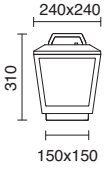
ALU | PC TRANS | LED | IP 54 | IK 06 | ON OFF | 4-12h | 5h

911B-L0108L-01 ☐

LED SMD 9W 1050lm 3000K

2 intensidades de luz con pulsación directa
2 light output intensities whith direct pulse
2 Intensités lumineuses avec appuyez directe
2 intensidades de luz com pulsação direta
100%: 1050lm (4h)
30%: 315lm (12h)

Cargador jack 3,5 mm incluido
3.5 mm jack charger included
Chargeur jack 3,5 mm inclus
Carregador de 3,5 mm incluído
17,5V DC / 0,65A (110-240V 50/60 Hz)



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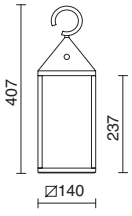
01 Blanco / White / Blanc / Branco

ERICE N

ALU | PC TRANS | LED | IP 54 | ON OFF | 9h | 5h

918A-L0103L-04

LED SMD 2,2W 187lm 3000K



Cargador USB incluido
USB charger included
Chargeur USB inclus
Carregador USB incluído
5V DC/1A (110/240V 50/60Hz)

04 Antracita / Anthracite / Anthracite / Antracite

GLOU

PA | PMMA OPAL | IP44 | 2 m. | 110V 240V AC | SEA SIDE SUITABLE

129E-G05X1A-02 ■

E27 Led/Fluo 15W max.

Ø200
Ø105

GLOU

PA | PMMA OPAL | IP44 | 2 m. | 110V 240V AC | SEA SIDE SUITABLE

129F-G05X1A-02 ■

E27 Led/Fluo 23W max.

Ø250
Ø125

GLOU

PA | PMMA OPAL | IP44 | 2 m. | 110V 240V AC | SEA SIDE SUITABLE

129G-G05X1A-02 ■

E27 Led/Fluo 30W max.

Ø300
Ø145

GLOU

PA | PMMA OPAL | IP44 | 2 m. | 110V 240V AC | SEA SIDE SUITABLE

129H-G05X1A-02 ■

E27 Led/Fluo 30W max.

Ø400
Ø185

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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02 Negro / Black / Noir / Preto

Dopo

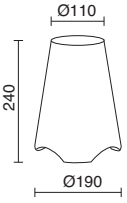
NIZA

ALU PE IP 44 3m 110V 240V AC

459A-G04X1A-01 □

E14 TC-TSE 11W max.

E14 LED 4W 470lm 3000K



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

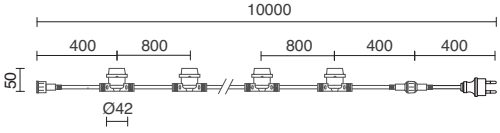
pag. 216

PORTOFINO N

TERMO PLASTIC | IP 65 | IP44 | 110V 240V AC

858A-G05X1B-02 ■

E27 LED **12 lampholder** lamp Ø45



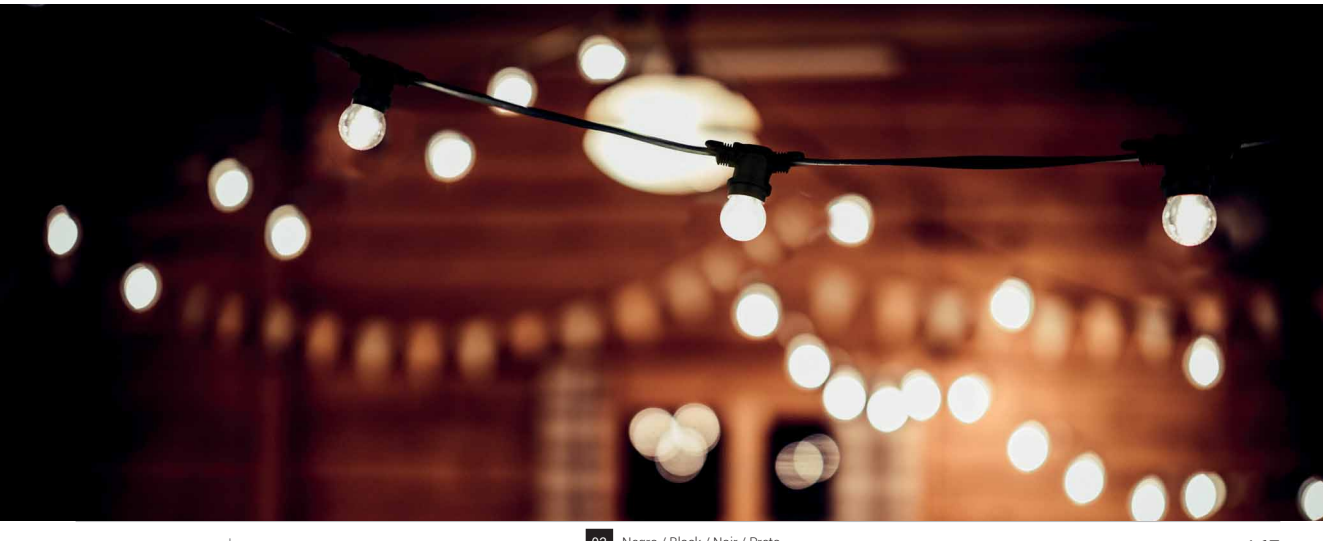
Kit 12 Lámparas / 12 lamps kit / Kit 12 ampes / Kit 12 lâmpades

858A-K12-632H-01

12x (E27 LED 4W 470lm 3000K) Lamp 45

300° | 15.000Hrs

Ampliable por tramos de 12 lámparas/tramo; máximo 720W totales.
Scalable by sections of 12 lamps/section; maximum 720w total.
Embrochable par section de 12 lampes/section; maximum 720W totale.
Ampliável por troços de 12 lâmpadas/troço; máximo 720W totais.



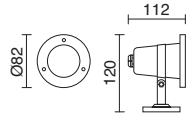
PROYECTORES
SPOTLIGHTS
PROJECTEURS
PROJETORES

SEDNA

INOX AISI 304 · GLASS TRANS. · LED BRIDGELUX · IP 68 · IK 09 · 1 m. · 160° · 12V AC · 1m. max.

642A-L0203D-30

LED SMD 3W 250lm 4000K



Alimentador / Power supply / Alimentateur / Alimentador

B02J-X3350D-02
IN 220-240 V AC / OUT 12 V AC max. 50W IP65

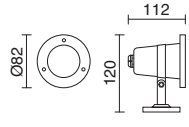
(Pag. 216-217)

SEDNA

INOX AISI 304 · GLASS TRANS. · LED BRIDGELUX · IP 68 · IK 09 · 1 m. · 160° · 12V AC · 1m. max.

642A-G23X1D-30

GU5,3 LED 3,5W max.
GU5,3 HAL 35W max.



Alimentador / Power supply / Alimentateur / Alimentador

B02J-X3350D-02
IN 220-240 V AC / OUT 12 V AC max. 50W IP65

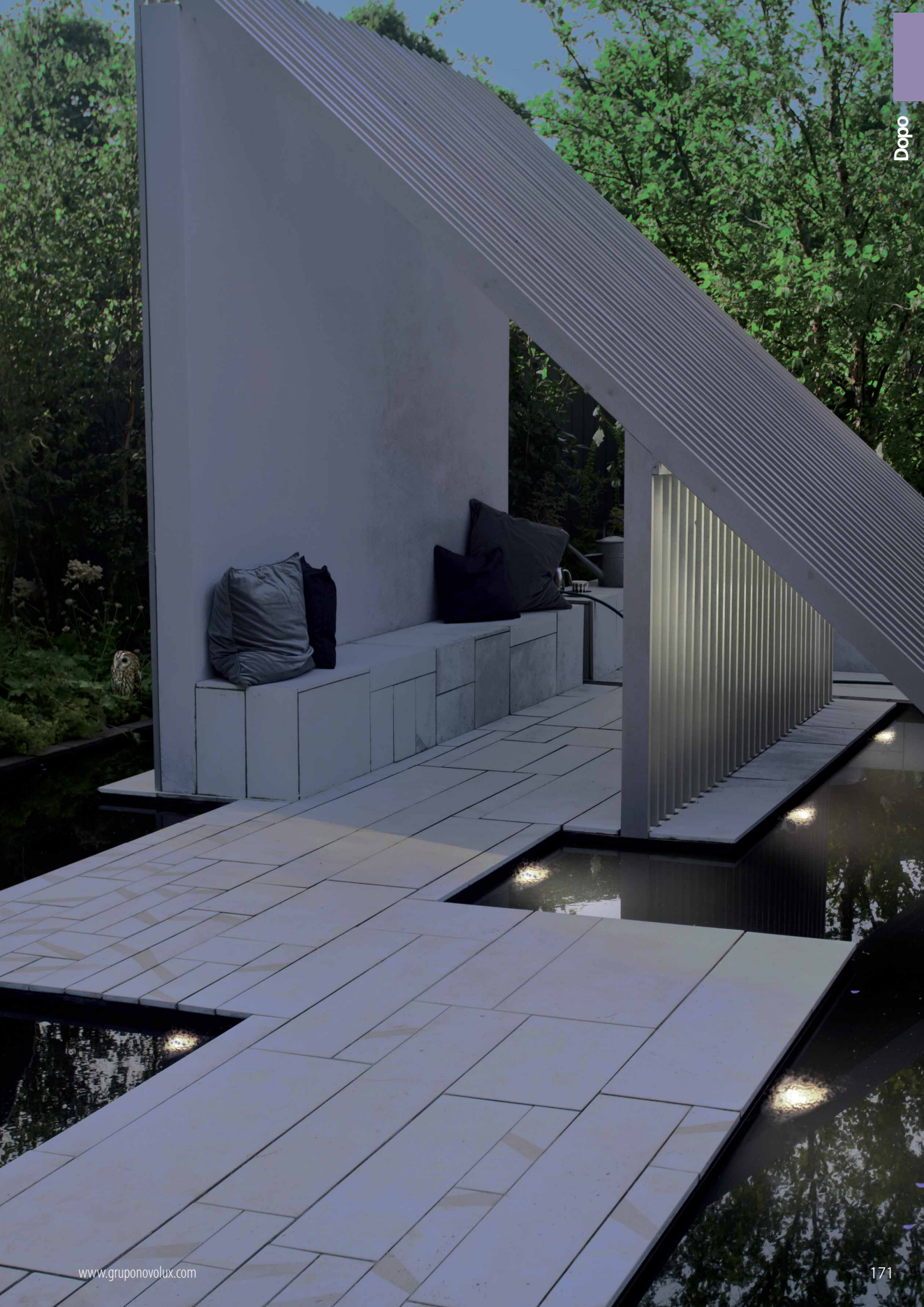
(Pag. 216-217)

Lámpara recomendada
Recommended lamp
Lamps recommandée
Lâmpada recomendada

LED PRO

pag. 213

30 Inox / Stainless steel / Acier inoxydable / Aço inox

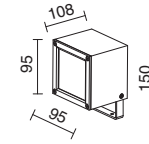


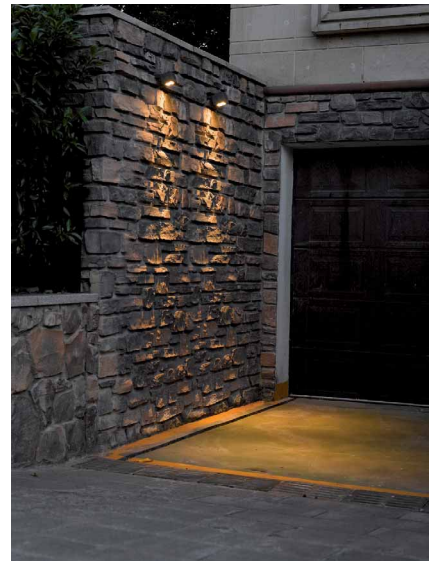
BARNI

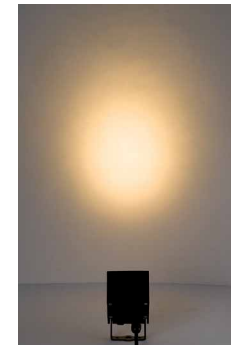
ALU | GLASS TRANS. | LED | IP 65 | 37° | 20cm | 90° | 110V 240V AC

551A-L0109A-04

LED SMD 9W 541lm 3000K





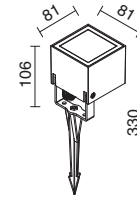


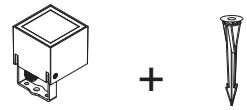
BARNI

ALU | GLASS TRANS. | LED | IP 65 | 28° | 20cm | 90° | 110V 240V AC

551B-L0108A-04

LED SMD 8W 430lm 3000K





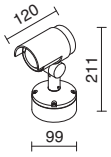
04 Antracita / Anthracite / Anthracite / Antracite

NAGORE

ALU | GLASS TRANS | LED | IP 65 | IK 04 | 350° | 170° | 41° | 220V 240V AC

851A-L3110B-04

LED COB AC 10W 612lm 3000K



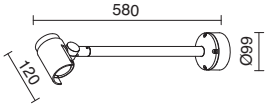
04 Antracita / Anthracite / Anthracite / Antracite

NAGORE

ALU | GLASS TRANS | LED | IP 65 | IK 04 | 350° | 170° | 41° | 220V 240V AC

851B-L3110B-04

LED COB AC 10W 612lm 3000K

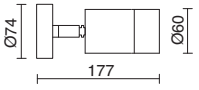


ABADIA

ALU | GLASS TRANS | IP 54 | IK 07 | 350° | 96° | 110V 240V AC

538A-G21X1A-04

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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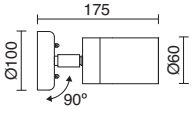
STAN

INOX AISI 304 | GLASS TRANS | IP 44 | 350° | 90° | 110V 240V AC

297B-G21X1A-30

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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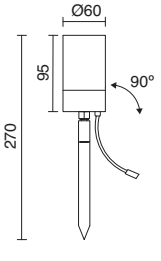
KOBE

INOX AISI 304 | GLASS TRANS | IP 44 | 90° | 110V 240V AC

172A-G21X1A-30

GU10 LED 4,5W max.
GU10 HAL 35W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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04 Antracita / Anthracite / Anthracite / Antracite

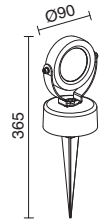
30 Inox / Stainless steel / Acier inoxydable / Aço inox

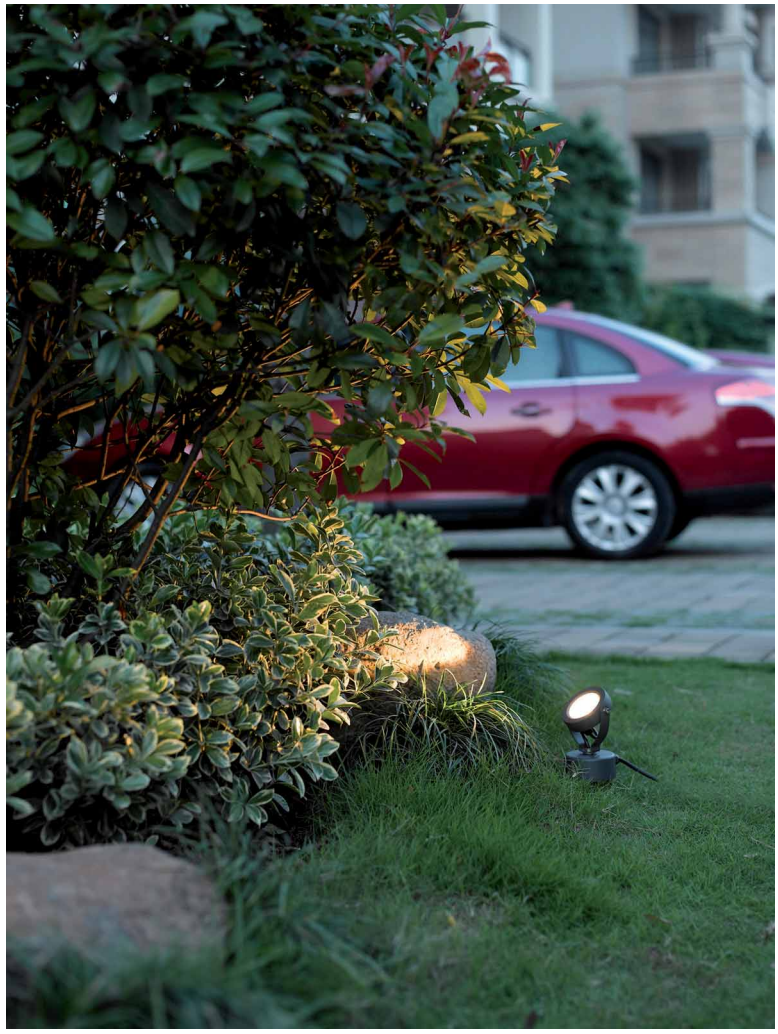
CATANIA

ALU | GLASS TRANS. | LED | IP 65 | 120° | 95° | 110V 240V AC

482A-L0107A-04

LED COB 7W 777lm 3000K





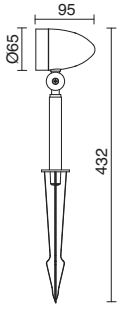
04 Antracita / Anthracite / Anthracite / Antracite

ARAMO

ALU | GLASS MAT | IP 54 | IK 08 | 96° | 110V 240V AC

539A-G21X1A-04

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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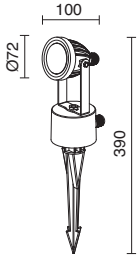
DRO

ALU | GLASS TRANS. | LED | IP 65 | 120° | 40° | 110V 240V AC

542A-L0107A-04

LED COB 7W 415lm 3000K

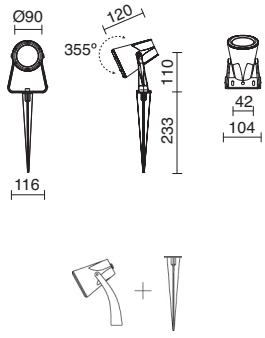


GERÓNIMO

PA | GLASS TRANS | IP 67 | IK 07 | IP44 | 2 m. | 355° | 110V 240V AC | SEA SIDE SUITABLE

463A-G21X1A-02 ■

GU10 LED 4,5W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED PRO

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02 Negro / Black / Noir / Preto

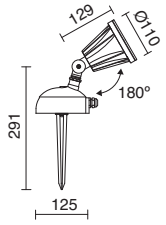
SENDAI

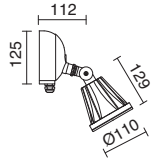
ALU | GLASS TRANS. | IP 65 | 180° | 110V 240V AC

279A-G21X1A-02 ■
279A-G21X1A-03 ■

GU10 LED 4,5W max.
GU10 HAL 50W max.

+





02 Negro / Black / Noir / Preto

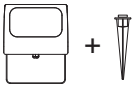
03 Gris / Grey / Gris / Cinzento

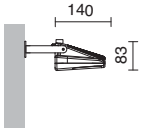
BERLÍN

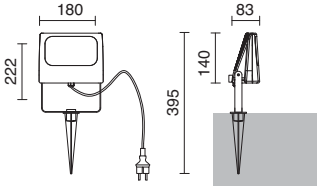
ALU | GLASS TRANS | LED | IP 54 | IK 05 | IP44 | 5m. | 120° | 110V 240V AC

364A-L02D9B-03

LED SMD 24W 993lm 4100K







03 Gris / Grey / Gris / Cinzento

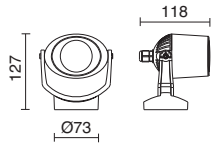
LULÚ

RESIN | PMMA MAT | IP 66 | 180° | +90° -60° | 30cm | U.V. TREATED | 110V 240V AC | SEA SIDE SUITABLE

572A-G21X1A-02 ■

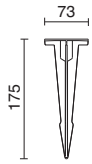
GU10 LED 3,5W 400lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



Piqueta / Spike / Piquet / Piquet.

A05A-409-02 ■



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED PRO

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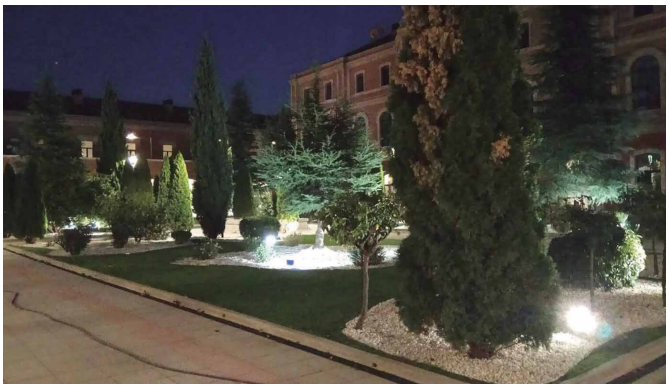


02 Negro / Black / Noir / Preto

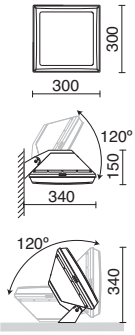
CAYU

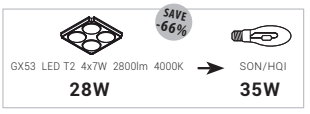
RESIN | PMMA OPAL | IP 66 | 120° | +90° -60° | U.V. TREATED | 110V 240V AC | SEA SIDE SUITABLE

571A-G31X1A-02 ■

GX53 LED T2 **4x** 7W **4x** 800lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída





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Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

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02 Negro / Black / Noir / Preto

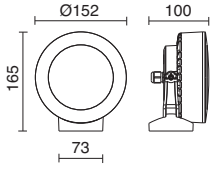
NÁPOLES

RESIN | PMMA MAT | IP 66 | 140° | +90° -60° | U.V. TREATED | 110V 240V AC | SEA SIDE SUITABLE

409A-G31X1A-02 ■

GX53 LED T2 3W 350lm 3000K

Lámpara incluida
Lamp included
Lampe incluse
Lâmpada incluída



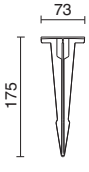
Posibilidad de añadir filtros de colores (no incluidos).
Possibility to add colour filters (not included).
On peut s'ajouter filtres à couleurs (non inclus).
Possibilidade de adicionar filtros de core (no incluido).

Filtros / Filters / Filtres / Filtros

A14A-409-08 Naranja / Orange / Orange / Laranja
A14A-409-05 Verde / Green / Verd / Verde
A14A-409-06 Azul / Blue / Bleu / Azul

Piqueta / Spike / Piquet / Piquet.

A05A-409-02 ■



Otras lámparas
Other lamps
Autres lampes
Outras lâmpadas

LED T2

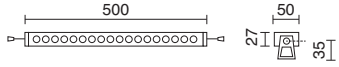
pag. 211

CLADERA

ALU + INOX AISI 304 | GLASS TRANS | LED EDISON | IP 65 | IK 07 | 355° | 12° | 24V DC

525A-L0122F-30

LED SMD 22W 1260lm 3000K

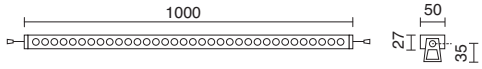


525B-L0145F-30

LED SMD 45W 2100lm 3000K

525B-L0245F-30

LED SMD 45W 2200lm 4000K



Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02O-X3340F-39
IN 90-305 V AC / OUT 24 V DC 40W IP65 (max. 1 lum.) (525A)

B02O-X3340F-39
IN 90-305 V AC / OUT 24 V DC 80W IP65 (max. 3 lum.) (525A) (max. 1 lum.) (525B)

B02O-X3340F-39
IN 90-295 V AC / OUT 24 V DC 150W IP67 (max. 6 lum.) (525A) (max. 3 lum.) (525B)

(Pag. 216-217)

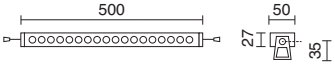
30 Inox / Stainless steel / Acier inoxydable / Aço inox

CLADERA

ALU + INOX AISI 304 | GLASS TRANS | LED EDISON | IP 65 | IK 07 | 355° | 12° | 24V DC

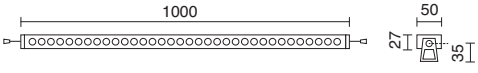
525A-L0422F-30

LED SMD RGB 22W



525B-L0445F-30

LED SMD RGB 45W



Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02O-X3340F-39
IN 90-305 V AC / OUT 24 V DC 40W IP65 (max. 1 lum.) (525A)

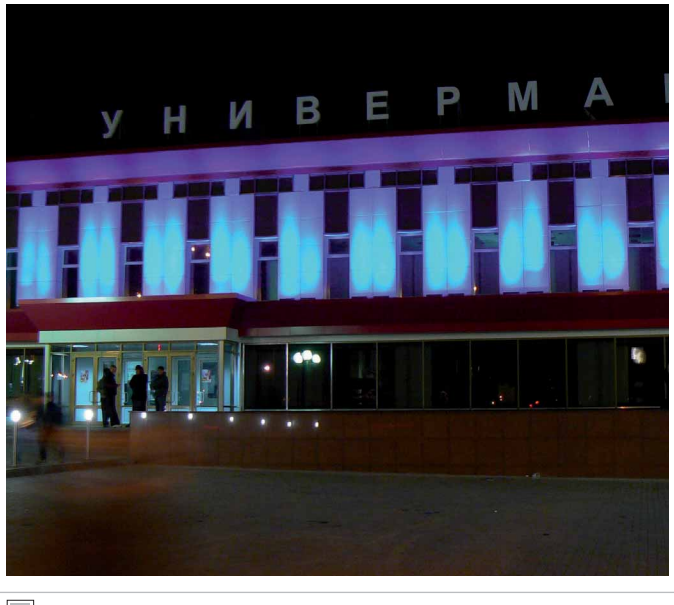
B02O-X3340F-39
IN 90-305 V AC / OUT 24 V DC 80W IP65 (max. 3 lum.) (525A) (max. 1 lum.) (525B)

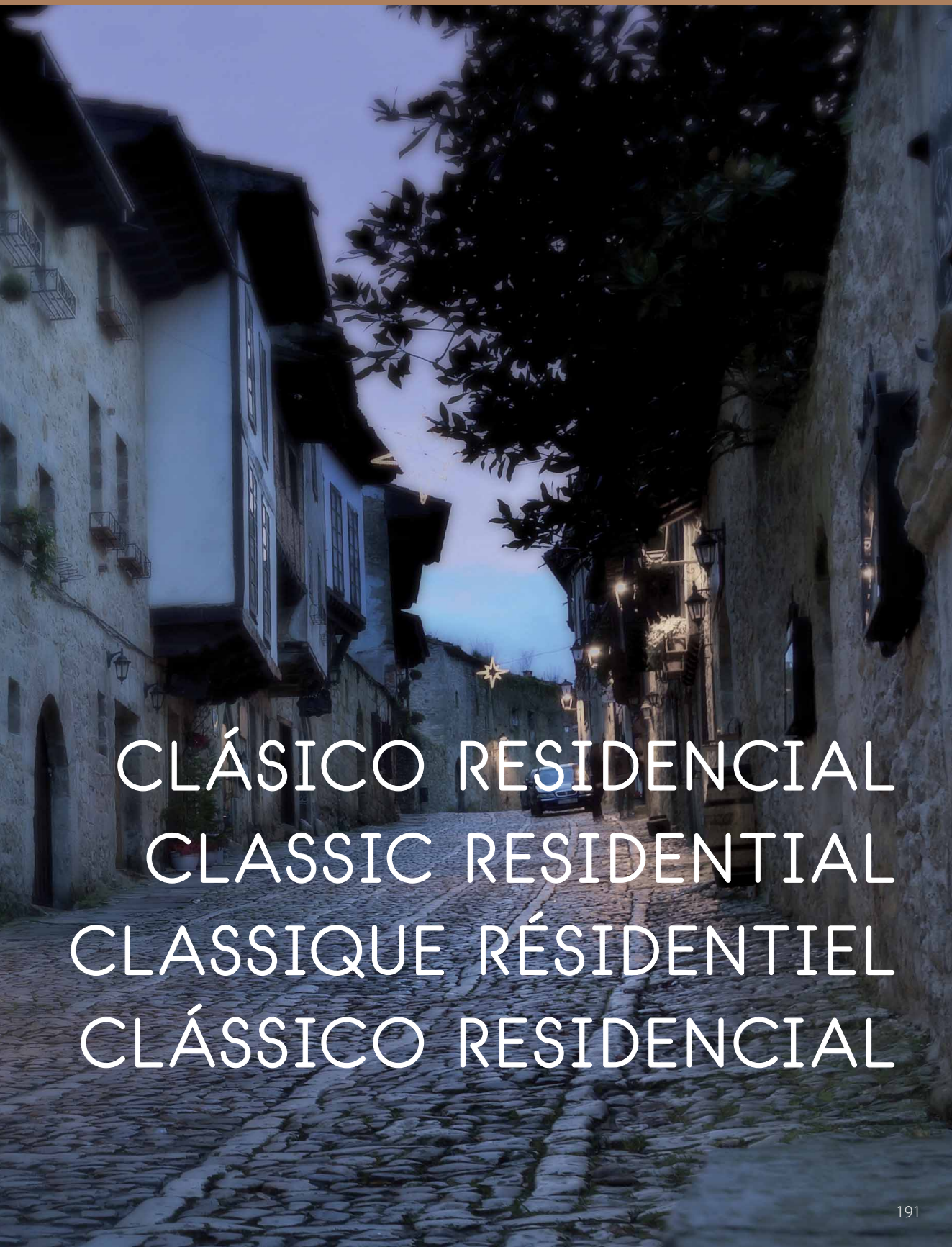
B02O-X3340F-39
IN 90-295 V AC / OUT 24 V DC 150W IP67 (max. 6 lum.) (525A) (max. 3 lum.) (525B)

(Pag. 216-217)

Sistema de Control RGB / RGB Control System
Système de Contrôle RGB / Sistema de Controlo RGB

B05D-X33X2F-01
6 lum. max. (525A)
3 lum. max. (525B)
IP 20 | DIMMER | 16 COLORS | 30m REMOTE





CLÁSICO RESIDENCIAL
CLASSIC RESIDENTIAL
CLASSIQUE RÉSIDENTIEL
CLÁSSICO RESIDENCIAL

IROB

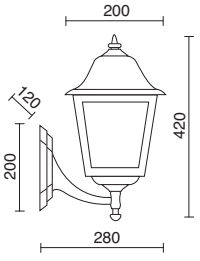
ALU | IP 43 | 110V 240V AC

264C-G05X1A-02 ■ GLASS MAT

E27 Led/Hal/Fluo 70W max.

264D-G05X1A-01 □
264D-G05X1A-02 ■ GLASS TRANS

E27 Led/Hal/Fluo 70W max.



Adaptador de esquina / Corner adaptor
Adaptateur d'angle / Adaptador de esquina

A06A-004-01 □
A06A-004-02 ■

Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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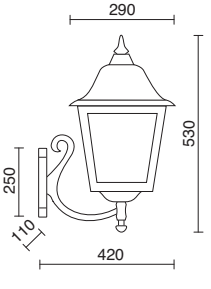
IROB

ALU | IP 43 | 110V 240V AC

264E-G05X1A-02 ■ GLASS MAT

E27 Led/Hal/Fluo 70W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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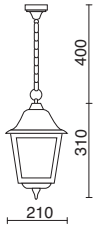
01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto

IROB

ALU | IP 43 | 110V 240V AC

264A-G05X1A-01 □
264A-G05X1A-02 ■ GLASS MAT

E27 Led/Hal/Fluo 70W max.

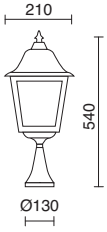


IROB

ALU | IP 43 | 110V 240V AC

264G-G05X1A-01 □
264G-G05X1A-02 ■ GLASS MAT

E27 Led/Hal/Fluo 70W max.



IROB

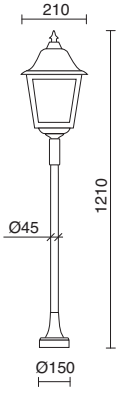
ALU | IP 43 | 110V 240V AC

264K-G05X1A-01 □ GLASS MAT

E27 Led/Hal/Fluo 70W max.

264L-G05X1A-02 ■ GLASS TRANS.

E27 Led/Hal/Fluo 70W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

ALU | IP 43 | 110V 240V AC

264M-G05X1A-01
+
C07B-12-01

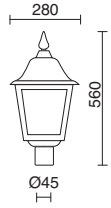
264N-G05X1A-02
+
C01A-11-02

264M-G05X1A-01 □
264M-G05X1A-02 ■ GLASS MAT

E27 Led/Hal/Fluo 70W max.

264N-G05X1A-01 □
264N-G05X1A-02 ■ GLASS TRANS.

E27 Led/Hal/Fluo 70W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

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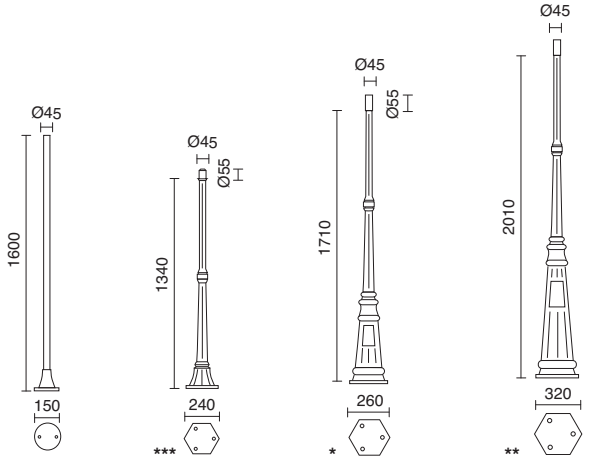
Postes / Posts / Posteaux / Postes

C01A-11-01 □
C01A-11-02 ■

C07A-11-02 ■

C07B-12-01 □
C07B-12-02 ■

C07C-12-01 □
C07C-12-02 ■



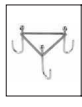
C01A-11-01
C01A-11-02

C07A-11-02

C07B-12-01
C07B-12-02

C07C-12-01
C07C-12-02

Anclaje empotrado opcional.
Optional recessed anchor.
Ancrage encastrés optionnel.
Fixação encastrada opcional.



A02A-004-00*
A02B-004-00**
A02C-004-00***

Incremento de altura / Height extension
Augmentation de hauteur / Extensão da altura

A08A-C07-01 □
A08A-C07-02 ■
Para refs. C07A; C07B; C07C
40 cm.

01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto

ARCO

ALU | GLASS MAT | IP 43 | 110V 240V AC

017A-G05X1A-02 ■

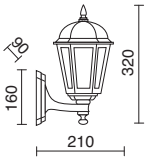
E27 Led/Hal/Fluo 70W max.

BAMBO

ALU | GLASS MAT | IP 43 | 110V 240V AC

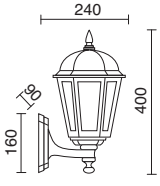
024A-G05X1A-02 ■

E27 Led/Hal/Fluo 70W max.



024B-G05X1A-02 ■

E27 Led/Hal/Fluo 70W max.

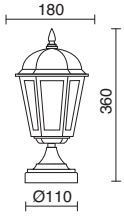


BAMBO

ALU | GLASS MAT | IP 43 | 110V 240V AC

024C-G05X1A-02 ■

E27 Led/Hal/Fluo 70W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

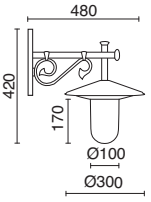
pag. 212

DELTA

ALU | PC OPAL | IP 44 | 110V 240V AC

082A-G05X1A-02 ■

E27 Led/Hal/Fluo 53W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

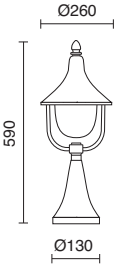
pag. 212

CAM

ALU | PC TRANS. | IP 44 | 110V 240V AC

043D-G05X1A-02 ■

E27 Led/Hal/Fluo 105W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

pag. 212

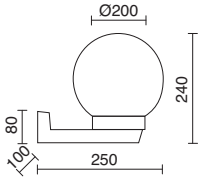
02 Negro / Black / Noir / Preto

ALIA

PA | PMMA OPAL | IP 43 | 110V 240V AC | SEA SIDE SUITABLE

011C-G05X1A-02 ■

E27 Led/Hal/Fluo 42W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

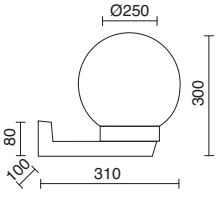
pag. 212

ALIA

PA | PMMA OPAL | IP 43 | 110V 240V AC | SEA SIDE SUITABLE

011D-G05X1A-01 □
011D-G05X1A-02 ■

E27 Led/Hal/Fluo 42W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

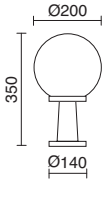
pag. 212

ALIA

PA | PMMA OPAL | IP 43 | 110V 240V AC | SEA SIDE SUITABLE

011A-G05X1A-02 ■

E27 Led/Hal/Fluo 42W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

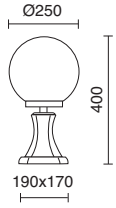
pag. 212

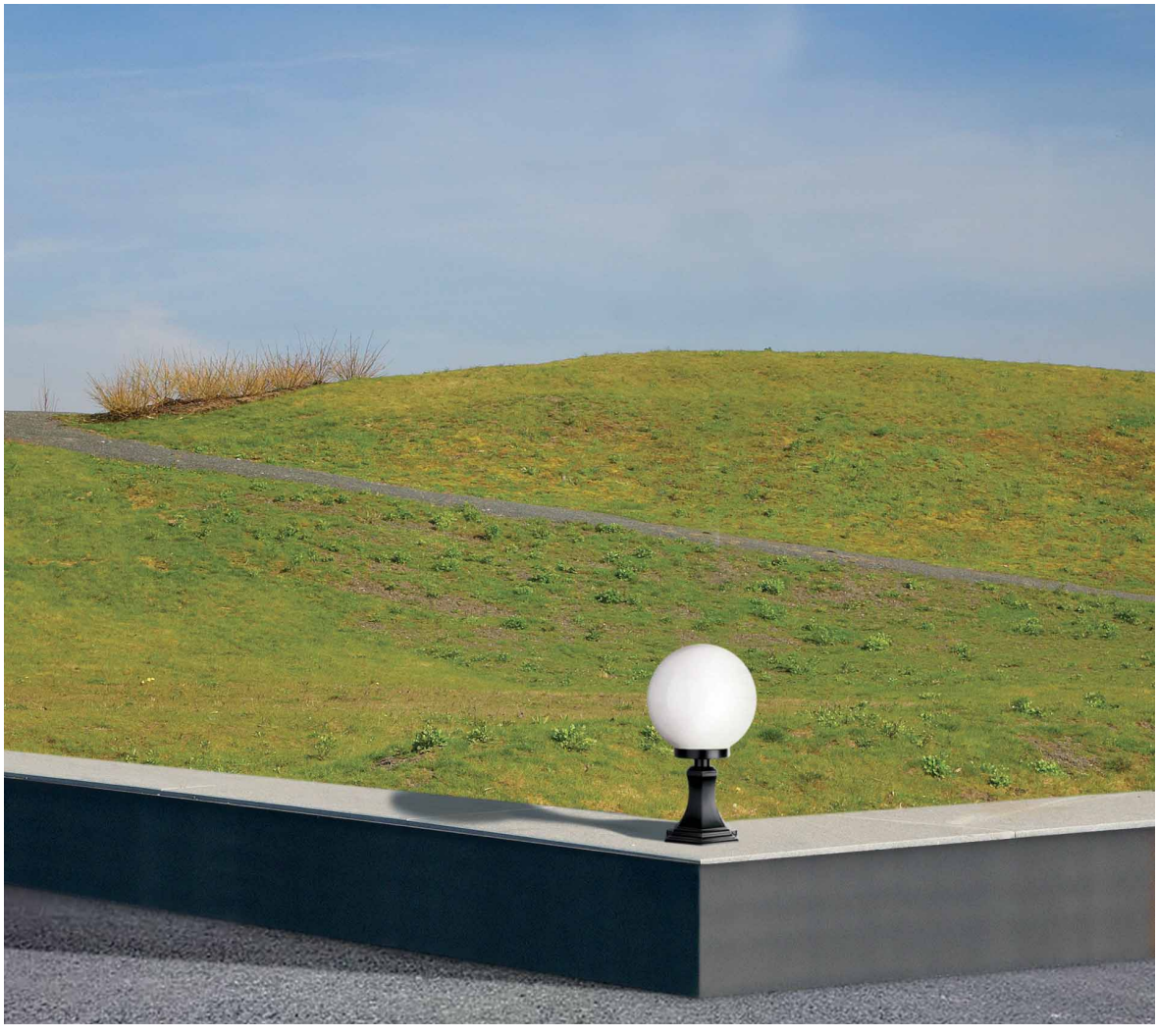
CAST

ALU | PMMA OPAL | IP 43 | 110V 240V AC

046C-G05X1A-02 ■

E27 Led/Hal/Fluo 70W max.





02 Negro / Black / Noir / Preto

CAST

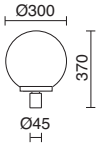
ALU | PC OPAL | IP 43 | 110V 240V AC

046E-G05X1A-02
+
C07A-11-02

046G-G05X1A-02
+
C07B-12-02

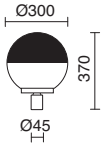
046E-G05X1A-02 ■ PMMA OPAL

E27 Led/Hal/Fluo 105W max.



046G-G05X1A-02 □ PMMA TRANS

E27 Led/Hal/Fluo 105W max.



Lámparas recomendadas
Recommended lamps
Lampes recommandées
Lâmpadas recomendadas

LED FILAMENT

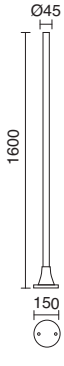
pag. 212

Postes / Posts / Posteaux / Postes

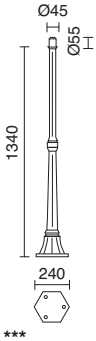
C01A-11-01 □
C01A-11-02 ■

C07A-11-02 ■

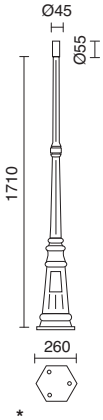
C07B-12-01 □
C07B-12-02 ■



C01A-11-01
C01A-11-02



***
C07A-11-01
C07A-11-02



*
C07B-12-01
C07B-12-02

Anclaje empotrado opcional.
Optional recessed anchor.
Ancrage encastrés optionnel.
Fixação encastrada opcional.

A02A-004-00*
A02C-004-00***

Incremento de altura / Height extension
Augmentation de hauteur / Extensão da altura

A08A-C07-01 □
A08A-C07-02 ■

40 cm.

ACCESORIOS
ACCESSORIES
ACCESSOIRES
ACCESÓRIOS

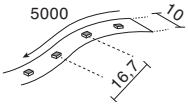
LED STRIP IN

GNX | LED | IP 20 | 120º | max. 10 m | 5 m | 24V DC

5 m

464A-L0124F-00 3000ºK
464A-L0224F-00 4000ºK

LED SMD 60leds/m 4,8W/m 360lm/m



* 10cm

464B-L0105F-00 3000ºK
464B-L0205F-00 4000ºK

LED SMD 60leds/m 4,8W/m 360lm/m

Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02Q-X3325F-01 IP 30
IN 90-295 V AC OUT 24V DC Max. 25W (max. 1 unit.)

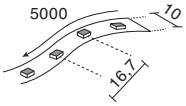
B02R-X33A1F-01 IP 30
IN 90-295 V AC OUT 24V DC Max. 100W (max. 4 unit.)

(Pag. 216-217)

5 m

464A-L0172F-00

LED SMD 60leds/m 3000ºK 14,4W/m 1260lm/m



* 10cm

464B-L0115F-00

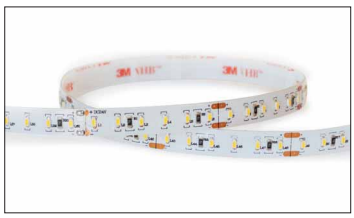
LED SMD 60leds/m 3000ºK 14,4W/m 1260lm/m

Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02R-X33A1F-01 IP 30
IN 90-295 V AC OUT 24V DC Max. 100W (max. 1 unit.)

B02O-X33A4F-39 IP 67
IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

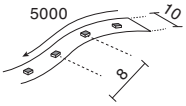
(Pag. 216-217)



5 m

464C-L0172F-00

LED SMD 120leds/m 3000ºK 14,4W/m 1200lm/m



* 5cm

464D-L0115F-00

LED SMD 120leds/m 3000ºK 14,4W/m 1200lm/m

Alimentadores / Power supplies / Alimentateurs / Alimentadores

B02R-X33A1F-01 IP 30
IN 90-295 V AC OUT 24V DC Max. 100W (max. 1 unit.)

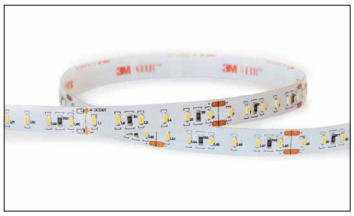
B02O-X33A4F-39 IP 67
IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

(Pag. 216-217)

Auto-adhs. 3M

* Longitud de tira led personalizada. Corte en tramos de 5 o 10 cm. Se suministra con 1 toma de alimentación.
Bespoke length. Cut in sections of 5 or 10 cm. Comes with 1 power supply.
Longueur de ruban Led sur-mesure. Coupe en sections de 5 ou 10 cm. Fourni avec un câble d'alimentation.
Cumprimento da fita de Led personalizada. Corte por seção de 5 ou 10 cm. Fornece-se com uma tomada de alimentacion.

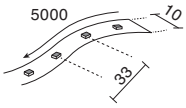
LED STRIP IN RGB



5 m

464A-L0472F-00

LED SMD RGB 60leds/m 14,4W/m 470lm/m



* 10 cm

464B-L0415F-00

LED SMD RGB 60leds/m 14,4W/m 470lm/m

Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3380F-39

IN 90-305 V AC OUT 24V DC Max. 80W (max. 1 unit.)

B02O-X33A4F-39

IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

(Pag. 216-217)

Sistema control RGB / RGB control system
Système de contrôle RGB / Sistema de controle RGB

B05F-G33A9F-39

432W (max. 2 unit)

IP 20 | 24V DC | 30m. | 7 COLORS | 7 SEQUEN | +40° -10°

Amplificador / Amplifier / Amplificateur / Amplificador

B05H-G33A7F-39

216W (max. 2 unit.)

IP 20 | 24V DC | +60° -20°

Precisa transformador adicional
Additional transformer required
Nécessite transformateur supplémentaire
Requer transformador adicional

Auto-adhs. 3M

* Longitud de tira led personalizada. Corte en tramos de 10 cm. Se suministra con 1 toma de alimentación.
Bespoke length. Cut in sections of 10 cm. Comes with 1 power supply.
Longueur de ruban Led sur-mesure. Coupe en sections de 10 cm. Fourni avec un câble d'alimentation.
Cumprimento da fita de Led personalizada. Corte por seção de 10 cm. Fornece-se com uma tomada de alimentacion.

LED STRIP OUT

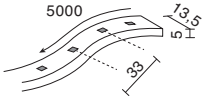
GNX | LED | IP 65 | 120º | max. 10 m | 24V DC

Resina de Poliuretano / Polyurethane resin
Résine de Polyuréthane / Resina de Poliuretano

5 m

465F-L0124F-29 3000ºK
465F-L0224F-29 4000ºK

LED SMD 60leds/m 4,8W/m 310lm/m



* 10cm

465G-L0105F-29 3000ºK
465G-L0205F-29 4000ºK

LED SMD 60leds/m 4,8W/m 310lm/m

Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3340F-39
IN 90-305 V AC OUT 24V DC Max. 40W (max. 1 unit.)

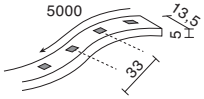
B02O-X3380F-39
IN 90-305 V AC OUT 24V DC Max. 80W (max. 3 unit.)

(Pag. 216-217)

5 m

465D-L0172F-29

LED SMD 60leds/m 3000ºK 14,4W/m 630lm/m



* 10cm

465E-L0115F-29

LED SMD 60leds/m 3000ºK 14,4W/m 630lm/m

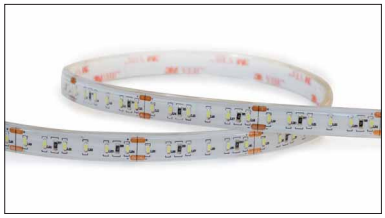
Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3380F-39
IN 90-305 V AC OUT 24V DC Max. 80W (max. 1 unit.)

B02O-X33A4F-39
IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

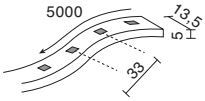
(Pag. 216-217)



5 m

465B-L0172F-29

LED SMD 120leds/m 3200ºK 14,4W/m 1120lm/m



* 5cm

465C-L0115F-29

LED SMD 120leds/m 3200ºK 14,4W/m 1120lm/m

Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3380F-39
IN 90-305 V AC OUT 24V DC Max. 80W (max. 1 unit.)

B02O-X33A4F-39
IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

(Pag. 216-217)

Auto-adhs. 3M

* Longitud de tira led personalizada. Corte en tramos de 5 o 10 cm. Se suministra con 1 toma de alimentación.
Bespoke length. Cut in sections of 5 or 10 cm. Comes with 1 power supply.
Longueur de ruban Led sur-mesure. Coupe en sections de 5 ou 10 cm. Fourni avec un câble d'alimentation.
Cumprimento da fita de Led personalizada. Corte por seção de 5 ou 10 cm. Fornece-se com uma tomada de alimentacion.

LED STRIP OUT

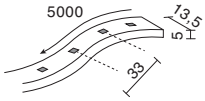
GNH LED IP 65 120° max. 10 m 24V DC

Protector de silicona / Silicone protector
Protecteur de silicone / Protetor de silicone

5 m

465A-L0124F-29

LED SMD 60leds/m 3000K 4,8W/m 240lm/m



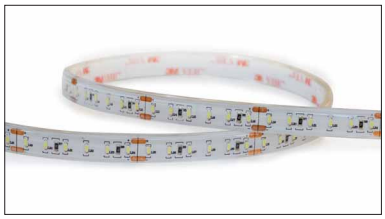
Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3340F-39
IN 90-305 V AC OUT 24V DC Max. 40W (max. 1 unit.)

B02O-X33A1F-39
IN 90-305 V AC OUT 24V DC Max. 100W (max. 2 unit.)

(Pag. 216-217)

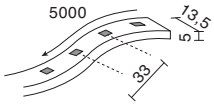


RGB

5 m

465F-L0472F-29

LED SMD RGB 120leds/m 14,4W/m 500lm/m



* 5cm

465G-L0415F-29

LED SMD RGB 120leds/m 14,4W/m 500lm/m

Alimentador / Power supply / Alimentateur / Alimentador

IP 65

B02O-X3380F-39
IN 90-305 V AC OUT 24V DC Max. 80W (max. 1 unit.)

B02O-X33A4F-39
IN 90-295 V AC OUT 24V DC Max. 150W (max. 2 unit.)

(Pag. 216-217)

Sistema control RGB / RGB control system
Système de contrôle RGB / Sistema de controle RGB

B05E-G33A7F-39

288W (max. 2 unit.)

IP 65 | 24V DC | 30m. | 7 COLORS | 7 SEQUEN | +40° -10°

Amplificador / Amplifier / Amplificateur / Amplificador

B05G-G33A8F-39

216W (max. 2 unit.)

IP 65 | 24V DC | +60° -20°

Precisa transformador adicional
Additional transformer required
Nécessite transformateur supplémentaire
Requer transformador adicional

Auto-adhs. 3M

* Longitud de tira led personalizada. Corte en tramos de 10 cm. Se suministra con 1 toma de alimentación.
Bespoke length. Cut in sections of 10 cm. Comes with 1 power supply.
Longueur de ruban Led sur-mesure. Coupe en sections de 10 cm. Fourni avec un câble d'alimentation.
Cumprimento da fita de Led personalizada. Corte por seção de 10 cm. Fornece-se com uma tomada de alimentacion.

SKOLL

DISPOSITIVOS RGB / RGB DEVICES / DISPOSITIFS RGB / DISPOSITIVOS RGB

Driver
Push
Driver
Driver

IP 20 | 50/60 Hz | DIM PUSH | DIM DMX

B02X-X33J2F-00 3x 16,8W

IN 220-240 V AC OUT 24V DC

Panel controlador DMX táctil de pared, 1 zona RGB
DMX touch panel controller, 1 RGB zone
Écran tactile générateur DMX, 1 zone RGB
Painel controlador DMX táctil de parede, 1 zona RGB

DIM DMX

B05L-X33X2E-00 12x85x25mm

Decodificador DMX RGB
RGB DMX decoder
Décodeur DMX RGB
Descodificador DMX RGB

IP 20 | 50/60 Hz | DIM DMX

B05I-X33J3F-00 4x 120W

IN 220-240 V AC OUT 24V DC

Panel controlador DMX táctil de pared, 4 zonas RGBW
DMX touch panel controller, 4 RGBW zone.
Écran tactile générateur DMX., 4 zone RGBW
Painel controlador DMX táctil de parede, 4 zonas RGB

DIM DMX

B05M-X33X2F-00 80x86x29,10mm

Empotramiento en cajetín universal NO INCLUIDO
Recessing by flush mounting box NOT INCLUDED
Encastrement en boîtier universel NON INCLUS
Encastramento em caixa universal NÃO INCLUÍDA

* Fuente alimentación / Power Supply / Source d'alimentation / Fonte de alimentação

SKOLL

DISPOSITIVOS RGB / RGB DEVICES / DISPOSITIFS RGB / DISPOSITIVOS RGB

Receptor RF RGB
RGB RF receiver
Récepteur RF RGB
Receptor RF RGB

IP 20 | 50/60 Hz | DIM RF

B05J-X33J4F-00 3x 120W

IN 220-240 V AC OUT 24V DC

Mando RF controlador, 4 zonas RGB.
RF remote controller of 4 RGB zones.
Télécommande RF, 4 zone RGB.
Comando RF controlador, 4 zonas RGB.

DIM DMX

B05N-X33X2X-00

* Fuente alimentación / Power Supply / Source d'alimentation / Fonte de alimentação.

Amplificador de señal RGB
RGB power repeater
Amplificateur de signal RGB
Amplificador de sinal RGB

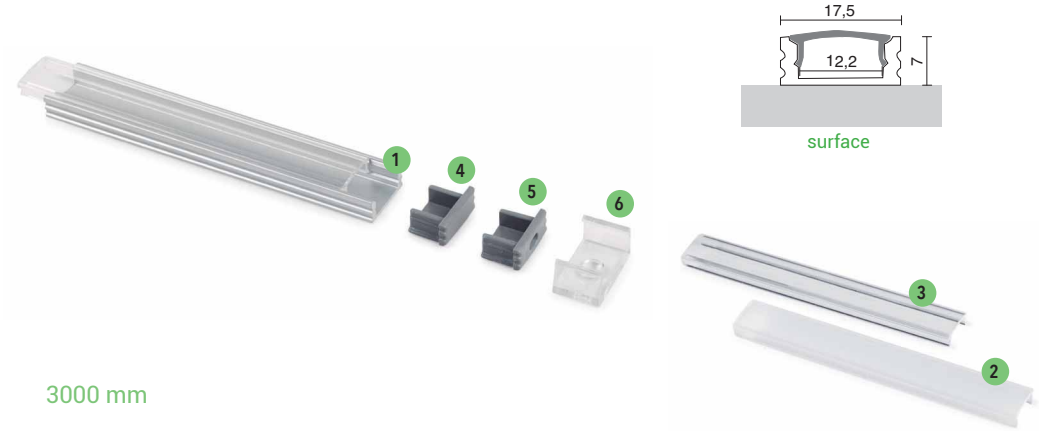
IP 20 | 50/60 Hz | DIM RF

B05K-X33J4F-00 3x 120W

IN 220-240 V AC OUT 24V DC

SKOLL

PERFIL / PROFIL / PROFILÉ / PERFIS



surface

3000 mm

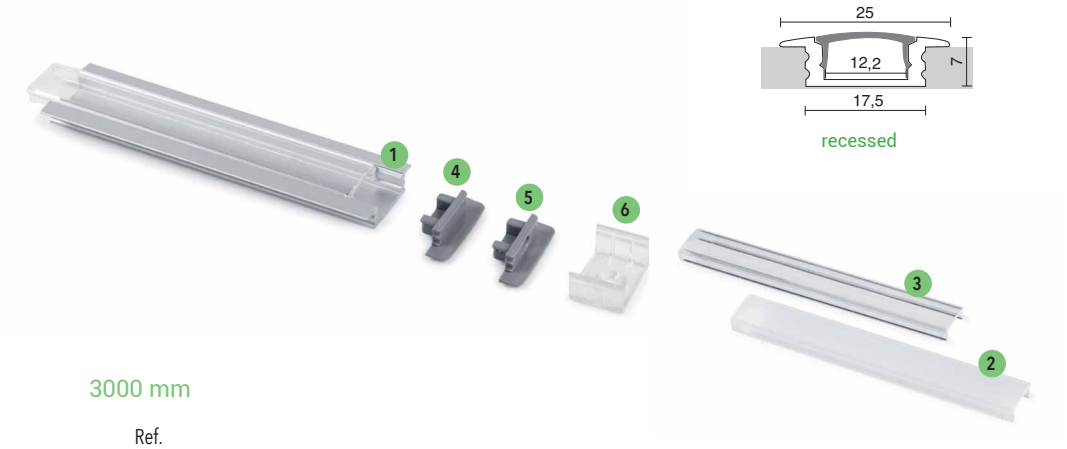
	Ref.	
ALU	1 A50A-778-39	Perfil aluminio anodizado en "U" 7x17,5 mm adosado (3m) 7x17,5mm "U"-shaped surface anodized aluminium profile (3m) Profil en aluminium anodisé dans "U" 7x17,5 mm sur surface (3m) Perfil alumínio anodizado em "U" 7x17,5 mm de superfície (3m)
PC OPAL	2 A50C-778-00	Difusor PC opal (3m) Opal PC diffuser (3m) Diffuseur PC opale (3m) Difusor PC opalino (3m)
PC TRANS	3 A50D-778-00	Difusor PC transparente (3m) Clear PC diffuser (3m) Diffuseur PC transparent (3m) Difusor PC transparente (3m)
	4 A50G-778-03	Tapa final gris sin agujero Grey end cap w/o hole Embout sans trou en gris Tampa final cinzenta sem furo
	5 A50H-778-03	Tapa final gris con agujero Grey end cap with hole Embout avec trou en gris Tampa final cinzenta com furo
	6 A50I-778-00	Fijación transparente Clear clamp Fixation transparente Fixação transparente

kit 1000 mm

	Ref.	
ALU	A50B-778-39	Perfil aluminio anodizado en "U" 7x17,5 mm adosado (1m)+ tapas+fijaciones 7x17,5mm "U"-shaped surface anodized aluminium profile (1m)+end caps+clamps Profil en aluminium anodisé dans "U" 7x17,5 mm sur surface (1m)+embouts+fixations Perfil alumínio anodizado em "U" 7x17,5 mm de superfície (1m) + tampas + fixações
ALU + PC OPAL	A50E-778-39	Perfil aluminio anodizado en "U" 7x17,5 mm adosado (1 m)+difusor PC opal+ tapas+fijaciones 7x17,5mm "U"-shaped surface anodized aluminium profile (1m)+ opal PC diffuser+end caps+clamps Profil en aluminium anodisé dans "U" 7x17,5 mm sur surface (1m)+diffuseur PC opale +embouts+fixations Perfil alumínio anodizado em "U" 7x17,5 mm de superfície (1m) + difusor PC opal + tampas + fixações
ALU + PC TRANS	A50F-778-39	Perfil aluminio anodizado en "U" 7x17,5 mm adosado (1m)+difusor PC transparente+ tapas+fijaciones 7x17,5mm "U"-shaped surface anodized aluminium profile (1m)+clear PC diffuser+end caps+clamps Profil en aluminium anodisé dans "U" 7x17,5 mm sur surface (1m)+diffuseur PC transparent +embouts+fixations Perfil alumínio anodizado em "U" 7x17,5 mm de superfície (1m) + difusor de PC transparente + tampas + fixações

SKOLL

PERFIL / PROFIL / PROFILÉ / PERFIS



recessed

3000 mm

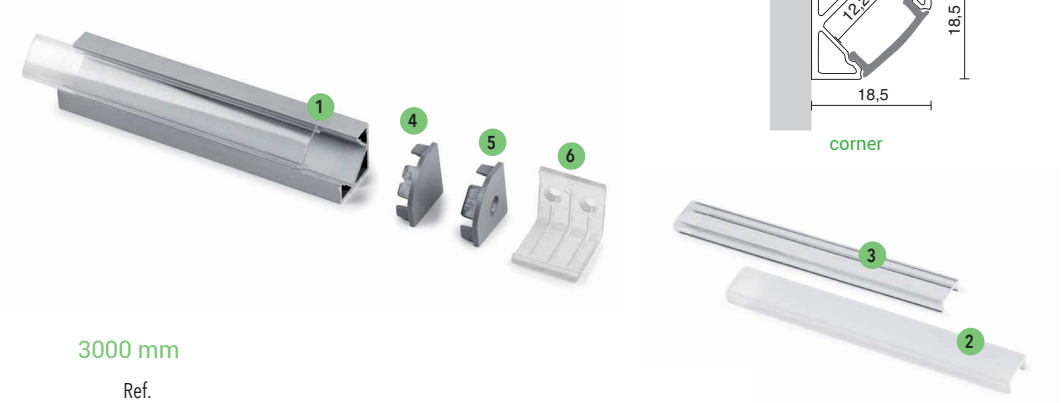
	Ref.		
ALU	1	A51A-778-39	Perfil aluminio anodizado empotrado 7x25 mm (3m) 7x25 mm recessed anodized aluminium profile (3m) Profil en aluminium anodisé encastré 7x25 mm (3m) Perfil alumínio anodizado de encastrar 7x25 mm (3m)
PC OPAL	2	A51C-778-00	Difusor PC opal (3m) Opal PC diffuser (3m) Diffuseur PC opale (3m) Difusor PC opalino (3m)
PC TRANS	3	A51D-778-00	Difusor PC transparente (3m) Clear PC diffuser (3m) Diffuseur PC transparent (3m) Difusor de PC transparente (3m)
	4	A51G-778-03	Tapa final gris sin agujero Grey end cap w/o hole Embout sans trou en gris Tampa final cinza sem furo
	5	A51H-778-03	Tapa final gris con agujero Grey end cap with hole Embout avec trou en gris Tampa final cinza com furo
	6	A51I-778-00	Fijación transparente Clear clamp Fixation transparente Fixação transparente

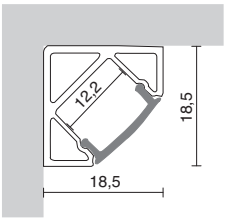
kit 1000 mm

	Ref.	
ALU	A51B-778-39	Perfil aluminio anodizado empotrado 7x25 mm (1m)+ tapas+fijaciones 7x25 mm recessed anodized aluminium profile (1m)+end caps+clamps Profil en aluminium anodisé encastré 7x25 mm (1m)+embouts+fixations Perfil alumínio anodizado de encastrar 7x25 mm (1m) + tampas + fixações
ALU + PC OPAL	A51E-778-39	Perfil aluminio anodizado empotrado 7x25 mm (1m)+difusor PC opal+ tapas+fijaciones 7x25 mm recessed anodized aluminium profile (1m)+opal PC diffuser+end caps+clamps Profil en aluminium anodisé encastré 7x25 mm (1m)+diffuseur PC opale +embouts+fixations Perfil alumínio anodizado de encastrar 7x25 mm (1m) + difusor PC opal + tampas + fixações
ALU + PC TRANS	A51F-778-39	Perfil aluminio anodizado empotrado 7x25 mm (1m)+difusor PC transparente+ tapas+fijaciones 7x25 mm recessed anodized aluminium profile (1m)+clear PC diffuser+end caps+clamps Profil en aluminium anodisé encastré 7x25 mm (1m)+diffuseur PC transparent +embouts+fixations Perfil alumínio anodizado de encastrar 7x25 mm (1m) + difusor de PC transparente + tampas + fixações

SKOLL

PERFIL / PROFIL / PROFILÉ / PERFIS





corner

3000 mm

	Ref.		
ALU	1	A52A-778-39	Perfil aluminio anodizado esquinero 18,5x18,5 mm (3m) 18,5x18,5 mm anodized aluminium corner profile (3m) Profil en aluminium anodisé pour coin 18,5x18,5mm (3m) Perfil aluminio anodizado de canto 18,5x18,5mm (3m)
PC OPAL	2	A52C-778-00	Difusor PC opal (3m) Opal PC diffuser (3m) Diffuseur PC opale (3m) Difusor PC opalino (3m)
PC TRANS	3	A52D-778-00	Difusor PC transparente (3m) Clear PC diffuser (3m) Diffuseur PC transparent (3m) Difusor PC Transparente (3m)
	4	A52G-778-03	Tapa final gris sin agujero Grey end cap w/o hole Embout sans trou en gris Tampa final cinzenta sem furo
	5	A52H-778-03	Tapa final gris con agujero Grey end cap with hole Embout avec trou en gris Tampa final cinzenta com furo
	6	A52I-778-00	Fijación transparente Clear clamp Fixation transparente Fixação transparente

kit 1000 mm

	Ref.	
ALU	A52B-778-39	Perfil aluminio anodizado esquinero 18,5x18,5 mm (1m)+ tapas+fijaciones 18,5x18,5 mm anodized aluminium corner profile (1m)+end caps+clamps Profil en aluminium anodisé pour coin 18,5x18,5 mm(1m)+embouts+fixations Perfil aluminio anodizado de canto 18,5x18,5mm (1m)+tampas+fixações
ALU + PC OPAL	A52E-778-39	Perfil aluminio anodizado esquinero 18,5x18,5 mm (1m)+difusor PC opal+ tapas+fijaciones 18,5x18,5 mm anodized aluminium corner profile (1m)+opal PC diffuser+end caps+clamps Profil en aluminium anodisé pour coin 18,5x18,5 mm (1m)+diffuseur PC opale +embouts+fixations Perfil aluminio anodizado de canto 18,5x18,5mm (1m)+Difusor PC opalino (1m)+tampas+fixações
ALU + PC TRANS	A52F-778-39	Perfil aluminio anodizado esquinero 18,5x18,5 mm (1m)+difusor PC transparente+ tapas+fijaciones 18,5x18,5 mm anodized aluminium corner profile (1m)+clear PC diffuser+end caps+clamps Profil en aluminium anodisé pour coin 18,5x18,5 mm (1m)+diffuseur PC transparent +embouts+fixations Perfil aluminio anodizado de canto 18,5x18,5mm (1m)+Difusor PC transparente (1m)+tampas+fixações

LED T2

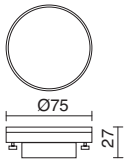
GNH | LED | IP 20 | 120° | CRI >80 | 25.000h | <0,1s | 110V 240V AC

105° | 15.000Hrs | <0,5s

378A-L3103A-01 3000K
GX53 LED T2 3W 350lm

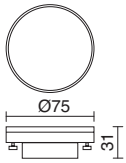
120° | 15.000Hrs | <0,5s

378A-L3103A-02 4000K
GX53 LED T2 3W 350lm



120° | 15.000Hrs | <0,1s

378A-L3104A-01 3000K
GX53 LED T2 4W 320lm 3000K

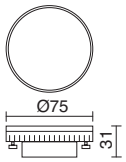


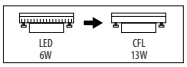
180° | 15.000Hrs | <0,1s

378A-L3106A-01 3000K
GX53 LED T2 6W 480lm

180° | 15.000Hrs | <0,1s

378A-L3106A-02 4000K
GX53 LED T2 6W 480lm



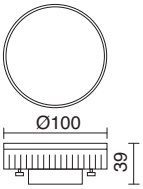


120° | 15.000Hrs | <0,1s

378B-L3107A-01 3000K
GX53 LED T2 7W 800lm

120° | 20.000Hrs | <0,1s

378B-L3107A-02 4000K
GX53 LED T2 7W 700lm

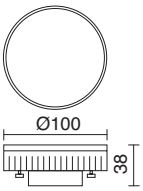


120° | 25.000Hrs | <0,1s

378B-L3110A-01 3000K
GX53 LED T2 10W 1200lm

120° | 25.000Hrs | <0,1s

378B-L3110A-02 4000K
GX53 LED T2 10W 1000lm

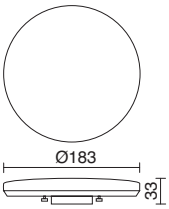


90° | 25.000Hrs | <0,1s

378C-L3111A-01 3000K
GX53 LED T2 11W 1300lm

90° | 25.000Hrs | <0,1s

378C-L3111A-02 4000K
GX53 LED T2 11W 900lm



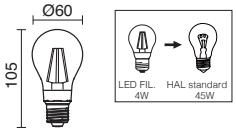
LED FILAMENT

GMK | GLASS TRANS | LED | IP 20 | CRI >80 | <0,1s | 220V 240V AC

300º | 15.000Hrs

632C-L0504B-01

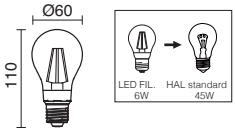
E27 LED 4W 470lm 2700K



300º | 25.000Hrs

632C-L0506B-01 2700K 5 €
632C-L0506B-02 4000K 5 €

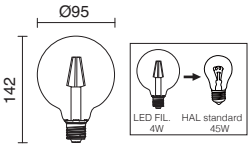
E27 LED 6W 800lm



300º | 15.000Hrs

632F-L0504B-01

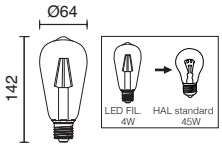
E27 LED 4W 470lm 2700K



300º | 15.000Hrs

632G-L0504B-01

E27 LED 4W 470lm 2700K

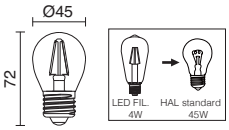


N

300º | 15.000Hrs

632H-L0504B-01

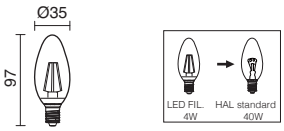
E27 LED 4W 470lm 3000K



300º | 15.000Hrs

632D-L0404B-01

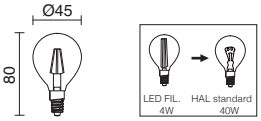
E14 LED 4W 470lm 2700K



300º | 15.000Hrs

632E-L0404B-01

E14 LED 4W 470lm 2700K

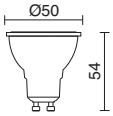


LED PRO

36° 25.000Hrs 110V 240V AC

578A-L2104A-01 3000K
578A-L2104A-02 4000K

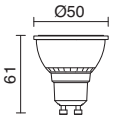
GU10 LED 3,5W 400lm

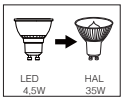


38° 25.000Hrs 110V 240V AC

578A-L2105A-01 3000K
578A-L2105A-02 4000K

GU10 LED 4,5W 300lm

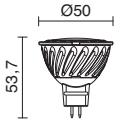


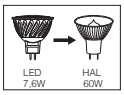


45° 12V AC/DC

369C-L2308D-01 3000K
369C-L2308D-02 4000K

GU5,3 LED 7,6W 550lm

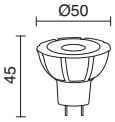


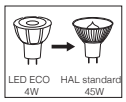


IP 20 60° CRI >80 25.000Hrs <0,1s 12V AC/DC

368C-L2305D-01 3000K

GU5,3 LED 4W 300lm



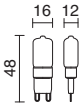


G9

LED 300° CRI >80 15.000Hrs <0,1s 220V 240V AC

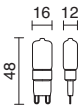
369D-L2003B-01

G9 LED 2,5W 160lm 3000K



369D-L2003B-02

G9 LED 2,5W 160lm 4000K

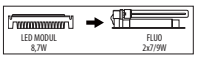


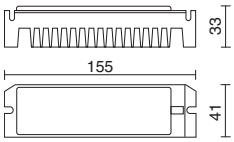
LED MODUL

VOSSLOH SCHWABE LED IP 20 CRI >80 220V 240V AC

371A-L3309B-01

LED SMD 8,7W 780lm 2900-3200K



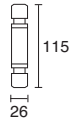


CONECTORES / CONNECTORS / CONNECTEURS / CONECTORES

IP 68

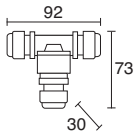
B03A-X33X2A-02

Doble conector para cables-manguera entre Ø 5 y 13 mm.
Double connector for wires-hoses between Ø 5 and 13 mm.
Double connecteur pour les câble multifils entre Ø 5 et 13 mm.
Duplo conector para cabos multifilares com Ø 5 e 13 mm.



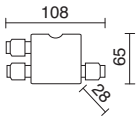
B03B-X33X2A-02

Triple conector para cables-manguera entre Ø 5 y 13 mm.
Triple connector for wires-hoses between Ø 5 and 13 mm.
Triple connecteur pour les câble multifils entre Ø 5 et 13 mm.
Triplo conector para cabos multifilares com Ø 5 e 13 mm.



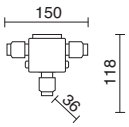
B03C-X33X2A-02

Triple conector para cables-manguera de Ø 13,5 mm.
Triple connector for wires-hoses between, Ø 13,5 mm.
Triple connecteur pour les câble multifils de Ø 13,5 mm.
Triplo conector para cabos multifilares, Ø 13,5 mm.



B03D-X33X2A-02

Triple conector para cables-manguera de Ø 13,5 mm.
Triple connector for wires-hoses between, Ø 13,5 mm.
Triple connecteur pour les câbles-tuyaux de Ø 13,5 mm.
Triplo conector para cabos multifilares, Ø 13,5 mm.



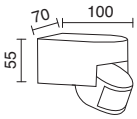
02 Negro / Black / Noir / Preto

DETECTOR DE PRESENCIA / PRESENCE DETECTOR
DÉTECTEUR DE PRÉSENCE / DETETOR DE PRESENÇA

IP 54 | 220V 240V AC

B04A-X33X2B-01 □
B04A-X33X2B-02 ■

OFF → ON
- 10"- 15'
- 140°
- < 12 m.
-
- 1000W max.
- 500 max.

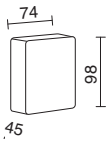


SENSOR CREPUSCULAR / DUSK-DOWN SENSOR
SENSEUR CRÉPUSCULAIRE / SENSOR CREPUSCULAR

B04B-X33X2B-01 □
B04B-X33X2B-02 ■

IP 54 | 220V 240V AC

OFF → ON
- > 2 Lux <1000 Lux
-
- 1000W max.
- 500 max.



01 Blanco / White / Blanc / Branco 02 Negro / Black / Noir / Preto

ALIMENTADORES / POWER SUPPLIES / ALIMENTATEURS / ALIMENTADORES

		OUT				IN			
	REF.	V	C	220-240V	110-127V	V	Freq.	SIZES	IP
	B02A-X3317H-01	-	350 mA DC	0-17W	0-12W	110-240 V AC	50/60 Hz	122x38x28	20
	B02A-X3320I-01	-	500 mA DC	0-20W	0-12W	110-240 V AC	50/60 Hz	120x40x20	20
	B02G-X3306J-01	-	700 mA DC	6W	-	100-240 V AC	50/60 Hz	58x40x20	20
	B02A-X3317J-01	-	700 mA DC	0-17W	0-12W	110-240 V AC	50/60 Hz	122x38x28	20
	B02N-X3320M-01	-	1050 mA DC	20W	-	220-240 V AC	50/60 Hz	32x28x112	20

12V AC

		OUT				IN			
	REF.	V	C	220-240V	110-127V	V	Freq.	SIZES	IP
	B02J-X3350D-02	12 V AC	-	50W	-	220-240 V AC	50/60 Hz	80x78x60	65
	B02B-X3360B-01	12 V AC	-	60W	-	220-240 V AC	50/60 Hz	22x36x103	20
	B02B-X33A2B-01	12 V AC	-	105W	-	230-240 V AC	50/60 Hz	33x37x128	20
	B02B-X33A4B-01	12 V AC	-	150W	-	230-240 V AC	50/60 Hz	33x37x185	20
	B02M-X33A5D-03	12 V AC	-	200W	-	230 V AC	50/60 Hz	108x104x99	20
	B02C-X33A7D-02	12 V AC	-	300W	-	230 V AC	50 Hz	120x140	66
	B02I-X33F9D-02	12 V AC	-	350W	-	220-240 V AC	50/60 Hz	175x155x110	65
	B02F-X33A8D-32	12 V AC	-	400W	-	230 V AC	50 Hz	220x110	20
	B02M-X33A9D-03	12 V AC	-	500W	-	230 V AC	50/60 Hz	120x132x108	20
	B02I-X33G1D-02	12 V AC	-	700W	-	220-240 V AC	50/60 Hz	175x175x110	65

ALIMENTADORES / POWER SUPPLIES / ALIMENTATEURS / ALIMENTADORES

24V DC

		OUT				IN			
	REF.	V	C	220-240V	110-127V	V	Freq.	SIZES	IP
	B02A-X33X2F-01	24 V DC	-	15W	-	200-240 V AC	50/60 Hz	111'5x44x19'1	20
	B02Q-X3312F-01	24 V DC	-	12W	12W	90-295 V AC	50/60 Hz	77x40x29	30
	B02Q-X3325F-01	24 V DC	-	25W	25W	90-295 V AC	50/60 Hz	84x57x29	30
	B02V-X3335F-00	24 V DC	-	35W	35W	220-240 V AC	50/60 Hz	220x40x21	20
	B02O-X3340F-39	24 V DC	-	40W	40W	90-305 V AC	50/60 Hz	171x61x37	65
	B02V-X3360F-00	24 V DC	-	60W	60W	220-240 V AC	50/60 Hz	250x40x21	20
	B02W-X3360F-00	24 V DC	-	60W	60W	220-240 V AC	50/60 Hz	206x51x36	20
	B02Y-X3360F-00	24 V DC	-	75W	75W	220-240 V AC	50/60 Hz	180x49x32	67
	B02O-X3380F-39	24 V DC	-	80W	80W	90-305 V AC	50/60 Hz	196x51x39	65
	B02V-X3396F-00	24 V DC	-	96W	96W	220-240 V AC	50/60 Hz	300x44x23	20
	B02R-X33A1F-01	24 V DC	-	100W	100W	90-295 V AC	50/60 Hz	190x52x37	30
	B02O-X33A1F-39	24 V DC	-	100W	100W	90-305 V AC	50/60 Hz	220x68x39	65
	B02Y-X33A1F-00	24 V DC	-	100W	100W	220-240 V AC	50/60 Hz	206x68,6x37	67
	B02V-X33A4F-00	24 V DC	-	150W	150W	220-240 V AC	50/60 Hz	270x63x40,5	20
	B02O-X33A4F-39	24 V DC	-	150W	150W	90-295 V AC	50/60 Hz	220x68x39	67
	B02Y-X33A4F-00	24 V DC	-	150W	150W	220-240 V AC	50/60 Hz	206x68,6x37	67

INFORMACIÓN
INFORMATION
INFORMATION
INFORMAÇÃO

ACABADOS FINISHES FINITIONS ACABAMENTOS

Los artículos de este catálogo se suministran según el modelo, con diferentes acabados. Estos vienen representados por las dos últimas cifras del código y un recuadro de color. El color en las fotografías de producto, es orientativo debido a las variaciones de las tonalidades que ocasiona el proceso de impresión.

The articles in this catalogue are supplyd according to the model, with different finishes. These are represented by icons. Colours in the product photographs are purely orientative as variations in shades may be produced in the printing process.

Les produits de ce catalogue sont fournis d'après le modèle, avec des finitions différentes. Ceux-ci sont représentés par des icônes différentes. La couleur dans les images du produit est seulement indicative à cause des variations des teintes dues par le processus d'impression.

Os artigos deste catálogo são fornecidos segundo o modelo, com diferentes acabamentos. Estes são representados por diferentes ícones. A cor do produto nas fotografias é meramente indicativa devido às variações das tonalidades provocadas pelo processo de impressão.

- 01 Blanco / White / Blanc / Branco
- 02 Negro / Black / Noir / Preto
- 03 Gris / Grey / Gris / Cinzento
- 04 Antracita / Anthracite
Anthracite / Antracite
- 05 Verde / Green / Verd / Verde
- 07 Rojo / Red / Rouge / Vermelho
- 09 Beige / Beige / Beige / Bege
- 10 Gris envejecido / Antique grey
Gris vieilli / Cinzento velho
- 11 Marfil / Ivory / Ivoire / marfim
- 12 Marrón oscuro / Dark brown
Marron foncé / Marrom escuro
- 13 Gris piedra / Stone grey
Gris pierre / Pedra cinzenta
- 28 Matizado / Frosted / Mat / Fosco
- 29 Transparente / Transparent
Transparent / Transparente
- 30 Inox / Stainless steel
Acier inoxydable / Aço inox
- 31 Inox pulido / Brushed stainless steel
Inox poli / Inox polido
- 32 Cromo / Chrome / Chrom / Cromo
- 33 Latón envejecido / Antique brass
Laiton vieilli / Latão antigo
- 34 Latón / Brass / Laiton / Latão
- 35 Niquel satinado / Satin nickel
Nickel satiné / Niquel acetinado
- 36 Latón cromo / Chrome brass
Laiton chrom / Latão cromo
- 37 Cobre / Copper / Cuivre / Cobre
- 38 Acero cincado / Zinc-plated Steel
Acier zingué /Aço zincado
- 39 Aluminio anodizado / Anodized aluminum
Aluminium anodisé / Alumínio anodizado
- 40 Aluminio cepillado / Brushed aluminum
Aluminium brossé / Alumínio cepillado
- 41 Acero Galvanizado / Galvanized Steel
Acier galvanisé / Aço galvanizado
- 42 Burdeos cepillado / Brushed Burgundy
Bordeaux brossé / Bordeaux cepillado
- 43 Inox cepillado / Brushed stainless stel
Inox brossé / Inox cepillado
- 44 Plata / Silver / Argent / Prata
- 46 Oro mate / Matt gold
Or mat / Matt ouro
- 50 Madera Haya / Beech Wood
Bois hêtre / Madeira faia
- 51 Madera Roble / Oak Wood
Bois chêne / Madeira Carvalho
- 52 Madera Cerezo / Cherry Wood
Bois de cerisier / Madeira Cerejeira
- 53 Fibra natural beige / Natural beige fiber
Fibre naturelle beige / Fibra Natural Beige
- 54 Fibra natural marrón
Natural brown fiber
Fibre naturelle marron
Fibra Natural Castanho
- 55 Fibra sintética plata
Syntethic silver fiber
Fibre synthétique argent
Fibra Sintética Prata
- 56 Fibra sintética oro
Syntethic gold fiber
Fibre synthétique or
Fibra Sintética Ouro
- 60 Piedra Leccese / Leccese stone
Pierre Leccese / Pedra Leccese
- 61 Piedra Leccese Antracita
Leccese anthracite stone
Pierre Leccese Anthracite
Pedra Leccese
- 62 Piedra Leccese marrón / Leccese brown stone
Pierre Leccese brun / Pedra Leccese brown
- 63 Piedra Leccese rosso mattone
Leccese rosso mattone stone
Pierre Leccese rosso mattone
Pedra Leccese rosso mattone
- 64 Piedra Crema / Cream stone
Pierre Crème / Pedra Creme
- 65 Piedra Ardesia / Ardesia stone
Pierre Ardesia / Pedra Ardesia
- 71 Piedra Lavica / Lavica stone
Pierre Lavica / Pedra Lavica
- 74 Marmol Travertino / Travertino marble
Marbre Travertino / Mármore Travertino
- 75 Marmol de Carrara / Carrara marble
Marbre de Carrara / Mármore do Carrara
- 90 Marrón óxido / Oxide brown
Roville / Marrom óxido
- 91 Marrón cobrizo / Copper brown
Brune cuivre / Marrom cobre
- 92 Cristal transparente / Transparent glass
Verre transparent / Vidro transparente
- 94 Pan de oro / Gold leaf
Feuille d'or / Pão de Ouro
- 95 Pan de plata / Silver leaf
Feuille d'argent / Pão de Prata

PICTOGRAFÍA SYMBOLOGY SYMBOLOGIE PICTOGRAFIA

	Luminaria para superficie en pared.	Surface mounted wall luminaire.	Luminaire pour la surface du mur.	Luminária para parede, saliente.
	Luminaria para superficie en techo.	Surface mounted ceiling luminaire.	Luminaire pour la surface du plafond.	Luminária para teto, saliente.
	Luminaria para empotrar en pared.	Recessed wall luminaire.	Luminaire pour encastrer sur le mur.	Luminária para parede, encastrável.
	Luminaria para empotrar en techo.	Recessed ceiling luminaire.	Luminaire pour encastrer sur le plafond.	Luminária para teto, encastrável.
	Luminaria para empotrar en suelo.	Recessed floor luminaire.	Luminaire encastré par sol.	Luminária para pavimento, encastrável.
	Luminaria de baliza o sobremuro.	Bollard or wall-top luminaire.	Borne ou sur mur.	Luminária elemento balizador ou de muro.
	Proyector de pared.	Spotlight-type surface for wall.	Projecteur pour la surface du mur.	Projetor para parede.
	Proyector de suelo.	Spotlight-type surface for floor.	Projecteur du sol.	Projetor para pavimento.
	Luminaria con piqueta.	Luminaire with spike.	Luminaire avec piquet.	Luminária com piquet.
	Luminaria con alimentación solar.	Solar powered luminaire.	Solaire luminaria alimenté.	Luminária com alimentação solar.
	Luminaria identificadas como clásico-residencial.	Luminaire classified as classical-residential.	Luminaire identifiée comme résidentiel-classique.	Luminária do tipo clássico-residencial.
	Luminaria de suspensión.	Pendant luminaire.	Luminaire de suspension.	Luminária de Suspensão.
	Luminaria vial tipo poste o columna.	Streetlighting post or column luminaire.	Luminaire à ampoule type poteau ou colonne.	Luminária pública do tipo com poste ou coluna.
	Luminaria sumergible.	Underwater lights.	Eclairage subaquatique.	Submersívelbles.
	Iluminación decorativa.	Decorative Lighting.	Éclairage décorative.	Iluminação Decorativa.
	Luminaria de pie.	Floor lamps.	Eclairage de sol.	Luminária chão.
	Luminaria de sobremesa.	Table lamps.	Luminaire de bureau.	Luminária de escritórios.
	Ventiladores.	Ceiling fans.	Ventilateurs.	Fãs.
GMX	Gama de productos complementarios a nuestros catálogos (lámparas, tiras led, alimentadores, conectores…)	Complementary range of products on catalogs (lamps, led strips, transformers, connectors,..)	Gamme de produits en complément sur nos catalogues (lampes, rubans Led, alimentations, connecteurs…)	Gama de produtos complementares aos nossos catálogos (lâmpadas, fitas led, alimentadores, conectores…)
LED	Luminaria con tecnología LED.	Luminaire with LED technology.	Luminaire à technologie LED.	Luminária com tecnologia LED.
N	Novedad .	New.	Nouveauté.	Novidade.
N	Ampliación de gama .	Product range enlargement.	Élargissement de gamme .	Extensão de gamma.
	Producto bajo pedido.	To order product.	Produit sur demande.	Produto a pedido.
	Clase I; Luminaria provista de dispositivos de toma-tierra.	Class I; luminaire fitted with earth-ground devices.	Classe I; Luminaire fourni de dispositifs prise de terre.	Classe I; luminária com dispositivos de ligação à terra.
	Clase II; Luminaria que aísla dóblemente las partes con tensión y no precisa dispositivos de toma-tierra.	Class II; luminaire that doubly insulates the electrified parts and does not require an earth-ground device.	Classe II; Luminaire qui isole doublement les parties avec tension et n'a pas besoin de dispositifs de prise de terre.	Classe II; luminária que tem duplo isolamento das partes sob tensão e não precisa de dispositivos de ligação à terra.
	Clase III; Luminaria alimentada a muy baja tensión y que no debe tener dispositivos toma-tierra.	Class III; luminaire with very low voltage power supply which does not require earth-ground devices.	Classe III; Luminaire alimentée à très basse tension et ne doit surtout pas avoir des dispositifs de prise de terre.	Classe III; luminária alimentada com muito baixa tensão e que não deve ter dispositivos de ligação à terra.
	Luminaria con lámpara Incluida.	Luminaire with lamp Included.	Luminaire avec lampe Inclue.	Luminária com lâmpada Incluída.

IP

Grado de protección IP
Según la normativa EN 60598-1, las luminarias se clasifican en función de la protección derivada de sus elementos constructivos. Su nomenclatura se simboliza mediante las letras IP seguidas de tres cifras, aunque sólo se muestren las dos primeras.

1ª cifra: Indica la protección del material frente a la filtración de elementos extraños y polvo, así como de las personas respecto a la tensión de los componentes de la luminaria.

0- No protegida.
1- Protegida frente a cuerpos sólidos mayores de 50 mm.
2- Protegida frente a cuerpos sólidos mayores de 12 mm.
3- Protegida frente a cuerpos sólidos mayores de 2,50 mm.
4- Protegida frente a cuerpos sólidos mayores de 1 mm.
5- Protegida contra el polvo.
6- Completa protección contra el polvo.

2ª cifra: Indica la protección del material a la penetración de líquido.

0- No protegida.
1- Protegida a la caída vertical de gotas de agua.
2- Protegida frente a la caída de gotas hasta un alineación de 15º respecto a la vertical.
3- Protegida frente a la lluvia.
4- Protegida contra la proyección del agua.
5- Protegida al chorro de agua.
6- Protegida a los golpes de mar.
7- Protegida a la inmersión.
8- Material sumergible.

Degree of IP protection
In accordance with standard EN 60598-1, luminaires are classified on the basis of the protection derived from their elements of construction. The degree of protection is indicated by the letters IP followed by a 3-figure number, though only the first two numbers are shown.

1st figure: Indicates the protection of the material against the entry of foreign bodies and dust, as well of people coming into contact with live parts in the device.

0- Not Protected.
1- Protected against foreign objects > 50mm.
2- Protected against foreign objects > 12mm
3- Protected against foreign objects > 2.5mm.
4- Protected against foreign objects > 1mm.
5- Dust-protected
6- Completely dust-tight

2nd figure: Indicates the protection of the material against the entry of moisture.

0- Not protected.
1- Protected against vertically falling drops of water.
2- Protected against water drops with the housing tilted at 15º with respect to the vertical.
3- Protected against rain.
4- Protected against splashing.
5- Protected against jets of water.
6- Protected against powerful water jets.
7- Protected against temporary immersion.
8- Submersible material.

Indice de protection IP
Conformément à la norme EN 60598-1, les luminaires sont classés en fonction de la protection dérivée de leurs éléments constructifs. Leur nomenclature est symbolisée par les lettres IP suivies de trois chiffres, même si s'affichent uniquement les deux premiers.

1er chiffre: Indique la protection du matériel par rapport à la filtration d'éléments étrangers et de poussière, ainsi que de personnes physiques, à l'égard de la tension des composants du luminaire.

0- Aucune protection.
1- Protégé contre les corps solides supérieurs à 50 mm.
2- Protégé contre les corps solides supérieurs à 12 mm.
3- Protégé contre les corps solides supérieurs à 2,50 mm.
4- Protégé contre les corps solides supérieurs à 1 mm.
5- Protégé contre la poussière.
6- Protection complète contre la poussière.

2ème chiffre: Indique la protection du matériel par rapport à la pénétration de liquide.

0- Aucune protection.
1- Protégé contre les gouttes d'eau tombant verticalement.
2- Protection contre les gouttes tombant à un alignement de 15 ° avec la verticale.
3- Protégé contre la pluie.
4- Protégé contre les projections d'eau.
5- Protégé contre le jet d'eau.
6- Protégé contre les coups de mer.
7- Protégé contre l'immersion.
8- Matériel submersible.

Grau de proteção IP
Nos termos da norma EN 60598-1, as luminárias são classificadas em função da proteção derivada dos seus elementos construtivos. A sua nomenclatura é indicada pelas letras IP seguidas de três algarismos, embora só sejam mostrados os dois primeiros.

1.º algarismo: indica a proteção do material relativamente àfiltração de elementos estranhos e pó, assim como das pessoas relativamente à tensão dos componentes da luminária.

0- Não protegida.
1- Protegida contra corpos sólidos maiores do que 50mm.
2- Protegida contra corpos sólidos maiores do que 12mm.
3- Protegida contra corpos sólidos maiores do que 2,5mm.
4- Protegida contra corpos sólidos maiores do que 1mm.
5- Protegida contra o pó.
6- Proteção completa contra o pó.

2.º algarismo: Indica a proteção do material relativamente à penetração de líquidos.

0- Não protegida.
1- Protegida contra a queda vertical de gotas de água.
2- Protegida contra a queda de gotas até a uma Inclinação de 15º em relação à vertical.
3- Protegida contra chuva.
4- Protegida contra projeção de água.
5- Protegida contra jatos de água.
6- Protegida contra ondas do mar.
7- Protegida contra imersão.
8- Material submersível.

IK

Código IK
Sistema de codificación para indicar el grado de protección proporcionado por una envolvente contra los impactos mecánicos nocivos. Energía de impacto (J)

IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

IK Code
The IK code is an international numerical classification for the degree of protection provided by enclosures for electrical equipment against external mechanical impact. Impact energy (J).

IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

Code IK
Système de codification qui indique le degré de protection procuré par une enveloppante contre des impacts mécaniques nuisibles. Énergie d'impact (J)

IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

Código IK
Sistema de codificação para indicar o grau de proteção proporcionado por um invólucro contra impactos mecânicos nocivos.
Energia de impacto (J).

IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
0,15	0,2	0,35	0,5	0,7	1	2	5	10	20

ASIM.	ASIM. Emisión de luz asimétrica.	Asymmetric light emission.	Émission de lumière asymétrique.	Emissão de luz assimétrica.
XX°	Ángulo de emisión de luz.	Light emission angle.	Angle d'émission de la lumière.	Ângulo de emissão de luz.
	Emisión de luz directa o indirecta	Emission of direct or indirect light.	Émissions de lumière directe ou indirecte.	Emissão de luz direta ou indireta.
	Emisión de luz directa y indirecta	Emission of direct and indirect light.	Émissions de lumière directe et indirecte.	Emissão de luz direta e indireta.
	Emisión de luz bidireccional	Bidirectional emission	Emission bidirectionnelle	Emissão de luz bidireccional
	Emisión de luz unidireccional	Unidirectional emission	Emission unidirectionnelle	Emissao de luz unidireccional
	Multi-emisión de luz.	Multi-emission light.	Multi-émissions de lumière.	Multi-emissão de luz.
	Emisión de luz periférica.	Periferic emission light.	Émission périférique de lumière.	Emissão periferica de luz.
Xm.	Longitud en metros de cable conductor suministrado.	Length in meters of the lead wire supplyd.	Longueur en mètres du câble conducteur fourni.	Comprimento em metros de cabo condutor fornecido.

....mA DC	Corriente de la luminaria en corriente contínua.	Luminaire current in direct current.	Courant de la lampe avec courant continuous.	Corrente da luminária en corrente contínua.
...V DC	Voltaje de la luminaria en corriente contínua.	Luminaire voltage in direct current.	Tension de la lampe avec courant continuous.	Tensão da luminária en corrente contínua.
...V AC	Voltaje de la luminaria (Voltios), de corriente alterna.	Luminaire voltage (volts) in alternate current.	Tension de la lampe (Volts) avec courant alternatif.	Tensão da luminária (volts) en corrente alternada.
	Luminaria con sensor crepuscular y movimiento.	Luminaire with daylight and motion sensor.	Luminaire avec senseur crépusculaire et mouvement.	Luminária con sensor crepuscular e movimento.
	Luminaria con luz de emergencia.	Luminaire with emergency light.	Luminaire avec éclairage de secours.	Luminária con luz de emergência.
	Luminaria con dos salidas de cable.	Luminaire with two cable outlets.	Luminaire avec deux sorties de câble.	Luminária com duas saídas de cabo.
	Luminaria con cable clavija Incorporada.	Lighting with plug-electrical wire Included.	Luminaire avec câble d'alimentation et fiche Inclus.	Luminária com cabo e ficha Incorporada.
IP44	Luminaria con toma corriente IP44	Luminaire with IP44 plug.	Luminaire avec prise courant électrique IP44.	Luminária con plugne IP44.
ON OFF	Luminaria con interruptor Incorporado.	Lighting with switch Included.	Luminaire avec interrupteur Inclus.	Luminária com interruptor Incorporado.
	Equipo Incluido.	Luminaire with equipment Included.	Luminaire avec équipement Inclus.	Luminaire com aparelhagem Incluido.
	Equipo electrónico Incluido.	Luminaire with electronic equipment Included.	Luminaire avec équipement électronique Inclus.	Luminaire com aparelhagem electrónica Incluido.
	Equipo NO Incluido, pero sí lo necesita	Equipment not Included, but it is required.	Luminaire sans équipement mais il faut l'avoir.	Aparelhagem não Incluída, mas é necessário.
XXXº	Prueba superada con éxito de la Temperatura (xxxº) del hilo Incandescente. (ºC)	Glow wire temperature test (xxxº) passed successfully (ºC)	Essai au fil Incandescent (°C) passé avec succès à la température (°xxx).	Ensaio do fio Incandescente superado com èxito à temperatura (xxxº) especificada. (ºC)
+40º -10º	Temperatura ambiental (ºC) máxima y mínima para garantizar el funcionamiento de la luminaria.	Maximum and minimum temperature to guarantee proper operation of the lamps.	Températures maximales et minimales pour assurer le fonctionnement des luminaires.	Temperatura máxima e mínima para garantir o funcionamento das luminárias.
XXXº	Temperatura máxima de la superficie de la luminaria. (ºC)	Maximum temperature (ºC) of the glass surface at an average room temperature.	Température maximale (°C) de la surface du verre à la température ambiante.	Temperatura máxima (ºC) da superfície do vidro, à temperatura ambiente.
XXXº	Ángulo máximo de basculación de la luminaria.	Maximum angle of Inclination of the lamp.	Angle maximal d'Inclinaison du luminaire.	Ângulo máximo de Inclinação da luminária.
XXXº	Ángulo máximo de giro horizontal.	Maximum angle of rotation.	Angle maximum de rotation.	Ângulo máximo de rotação.
	Medidas de empotramiento (mm)	Recess dimensions (mm)	Mesures pour encastrement (mm)	Medidas de encastramento (mm)
	Dimerable.	Dimmable.	Dimmable.	Dimmable.
	NO dimerable.	Non dimmable.	Non dimmable.	Não dimmable.
	Vida útil (horas).	Life (hours).	Durée (heures).	Longevidade (horas).
	Anclaje Incluido.	Anchorage Included.	Ancrage Inclus.	Ancoragem Incluído.
	Caja de empotrar Incluida.	Recessing box Included.	Boîtier d'encastrement Inclus.	Caixa embutida Incluído.
	No utilizar en ningún caso atornilladores mecánicos.	Never use mechanical screwdrivers.	Surtout ne jamais utiliser de tournevis mécanique.	Não utilizar, em caso algum, aparafusadoras mecânicas.
	Precisa drenaje.	Requires drainage.	Drainage nécessaire.	Drenagem precisa.
	Luminaria adaptada para tránsito no rodado.	Luminaire adapted for non-vehicular traffic.	Luminaire adapté au trafic pas roulé.	Luminária adaptada para trânsito não rodoviário.
	Luminaria adaptada para tránsito rodado.	Luminaire adapted for vehicular traffic.	Luminaire adapté au trafic roulé.	Luminária adaptada para trânsito rodoviário.
	No apto para piscinas.	Not suitable for swimming pool.	Non apte pour piscine.	Não é adequado para piscinas.

	Globo con cierre bayoneta.	Globe with bayonet fitting.	Globe avec fermeture baïonnette.	Globo com fecho baioneta.
	Globo con cierre hermético.	Hermetically sealed globe.	Globe avec fermeture hermétique.	Globo com fecho hermético.
	Poste con registro.	Post with inspection chamber.	Poste avec enregistrement.	Lamppost com registro.
SEA SIDE SUITABLE	Luminaria adecuada para instalar en ambientes con atmósfera salina	Luminaire suitable for installation in environments with saline atmosphere	Luminaire adapté à une installation dans des environnements à atmosphère saline	Luminaria adequada para instalação em ambientes com atmosfera marinha
U.V. TREATED	Luminarias con alta resistencia a los rayos Ultra Violeta para evitar que el color se deteriore.	Luminaires with high resistance to Ultra-Violet rays to prevent color deterioration.	Luminaires with high resistance to Ultra-Violet rays to prevent color deterioration.	Luminárias com elevada resistência aos raios Utra Violetas para evitar a deterioração da cor.
	Luminaria con una excelente resistencia a la corrosión (aluminio con doble recubrimiento de pintura, acero con proceso de galvanizado, resina o poliamida)	Luminaire with excellent resistance to corrosion (aluminum with double painting process, steel galvanizing process, resin or polyamide)	Luminaire avec une excellente résistance à la corrosion (aluminium avec double processus de peinture, processus de galvanisation de l'acier, résine ou polyamide)	Luminária com excelente resistência à corrosão (alumínio com processo de pintura dupla, processo de galvanização de aço, resina ou poliamida)
	Luminaria de acero inoxidable que precisa de un mantenimiento periódico.	Stainless steel luminaire which requires periodical maintenance.	Luminaire de acier inoxydable qui a besoin de maintenance périodique.	Luminária do aço inoxidável que precisa de manutenção periódica.
	Luminaria de latón que precisa de mantenimiento periódico con pulimento específico para recuperar el brillo.	Resin luminaries or posts that require a periodic maintenance with specific polishing to restore the brightness.	Luminaire à laiton qui peut néces-siter d'un entretien à polissage spécifique pour récupérer son aspect d'origine.	Luminária de Latão que precisa de manutenção periódica com polimento específico para recuperar o brilho.
OIL	Luminaria o poste de resina que precisa de mantenimiento periódico con aceite sintético para recuperar el brillo.	Resin luminaries or posts that require a periodic maintenance with synthetic oil to restore the brightness.	Luminaire ou mât à résine qui peut néces-siter d'un entretien à l'huile synthétique pour récupérer son aspect d'origine.	Luminária ou poste de resina que precisa de manutenção periódica com óleo sintético para recuperar o brilho.
	Acabado del poste de acero cincado con lo que debe pintarse forzosamente una vez instalado.	Post is finished in zinc-plated steel and therefore must be painted once installed.	Mât en acier Galvanisé ce qui doit nécessairement être peint une fois installé	Acabamento do poste é em aço zincado, razão por que deve ser pintado forçosamente depois de instalado.
	Posibilidad de aplicar acabados especiales.	Possibility of special finishings.	Autres finitions spéciales possibles.	Possibilidade de acabamentos especiais.
CRI >...	Índice de reproducción cromática.	Color rendering index.	Index de rendu des couleurs.	Índice de reprodução de cor.
<0,1s	Respuesta de encendido (seg.)	Power response (sec.).	Réponse d'allumage (sec).	Resposta de ignição (sec).
	Batería recargable.	Rechargeable battery.	Batterie rechargeable.	Bateria recarregável.
	Tiempo de carga completa de la bateria (horas).	Battery charge Time (hours).	Temps de charge complète de la batterie (heures).	Tempo de carga completa da bateria (horas).
	Autonomia de la bateria (horas).	Battery Autonomy (hours).	Autonomie de la batterie (heure).	Autonomia da bateria (horas).
	Incluye mando a distancia.	Include remote control.	Télécommande Incluse.	Inclui comando à distancia.
... COLORS	Número de colores.	Number of colors.	Nombre de couleurs.	número de cores.
... SEQUEN	Número de secuencias de cambio de color.	Number of sequencies.	Nombre de séquences de changement de couleur.	Número de sequências de mudança de côr.
...cm	Tramo mínimo de corte (cm)	Minimum cutting section (cm)	Section minimale de découpe (cm)	Seção de corte mínima (cm)
max. 10 m	Longitud máxima de unión de tiras led (10m)	Maximum length interconnected (10m)	Longueur maximale totale des rubans à led connectés (10m)	Longitud máxima de unión de tiras led (10m)
5 m	Longitud (5m) de la tira led (minima unidad de venta)	Standard length (5m) (Minimum Order)	Longueur (5m) du ruban à led (unité de vente minimale)	Longitud (5m) de la tira led (minima unidad de venta)
MOTOR AC	Motor con corriente alterna.	Alternate current motor.	Moteur à courant alternatif.	Motor com corrente alternada.
MOTOR DC	Motor con corriente contínua.	Direct current motor.	Moteur à courant continu.	Motor com corrente contínua.
	Ventilador con luz.	Fan with lamp.	Ventilateur de plafond lumineux	Ventilador com luz.
...	Número de aspas del ventilador.	Number of fan blades.	Nombre d'ailettes du ventilateur.	Numero de pá do ventilador.
	Función inversa para usarlo todo el año.	Inverse function to use it the whole year.	Fonction réversible conçue pour une utilisation toute l'année.	Funçao inversa para usar todo o ano.
	Regulador de pared.	Wall control.	Varieteur mural.	Regulador de parede.

MATERIALES MATERIALS MATERIAUX MATERIAIS

Cuerpo / Body / Corps / Corpo

Marco / Frame / Marc / Aro

Difusor / Diffusor / Diffuseur / Difusor

Aspa / Blade / Lame / Pala

ABS	Plástico ABS	ABS plastic	Plastique ABS	Plástico ABS
ACER	Acero	Steel	Acier	Aço
ALU	Aluminio	Aluminium	Aluminium	Alumínio
ALU ANOD	Aluminio anodizado	Anodized aluminum	Aluminium anodisé	Alumínio anodizado
ALU CEPILL	Aluminio cepillado	Brushed aluminum	Aluminium brossé	Alumínio cepillado
ANTIQ BRASS	Latón envejecido	Antique brass	Laiton vieilli	Latão antigo
BRASS	Latón	Brass	Laiton	Latão
CHROM BRASS	Latón cromado	Chrome brass	Laiton chrom	Latão cromo
COTTON	Algodón	Cotton	Coton	Algodão
CONCR	Hormigón	Concrete	Betón	Concreto
Cu	Cobre	Copper	Cuivre	Cobre
GLASS	Cristal	Glass	Verre	Vidro
GLASS AMBER	Cristal ambar	Amber gllass	Verre ambre	Vidro âmbar
GLASS MAT	Cristal matizado	Frosted glass	Verre teinté	Vidro fosco
GLASS OPAL	Cristal opalizado	Opal glass	Verre opale	Vidro opalino
GLASS PRISM	Cristal prismático	Prismatic glass	Verre prismatique	Vidro prismático
GLASS TRANS	Cristal transparente	Transparent glass	Verre transparent	Vidro transparente
INOX	Acero inoxidable	Stainless steel	Acier inoxydable	Aço inoxidável
NICKEL SAT	Niquel satinado	Satin nickel	Nickel satiné	Niquel acetinado
PA	Poliamida	Polyamide	Polyamide	Poliamida
PC	Policarbonato	Polycarbonate	Polycarbonate	Policarbonato
PC MAT	Policarbonato matizado	Frosted polycarbonate	Polycarbonate teinté	Policarbonato fosco
PC OPAL	Policarbonato opalizado	Opal polycarbonate	Polycarbonate opale	Policarbonato opalino
PC PRISM	Policarbonato prismático	Prismatic polycarbonate	Polycarbonate prismatique	Policarbonato prismático
PC TRANS	Policarbonato transparente	Transparent polycarbonate	Polycarbonate transparent	Policarbonato transparente
PE	Polietileno	Polyethylene	Polyéthylène	Polietileno
PLASTER	Yeso	Plaster	Plâtre	Gesso
PMMA	Metacrilato	Methacrylate	Méthacrylate	Metacrilato
PMMA MAT	Metacrilato matizado	Frosted methacrylate	Méthacrylate teinté	Metacrilato fosco
PMMA OPAL	Metacrilato opalizado	Opal methacrylate	Méthacrylate opale	Metacrilato opalino
PMMA PRISM	Metacrilato prismático	Prismatic methacrylate	Méthacrylate prismatique	Metacrilato prismático
PMMA TRANS	Metacrilato transparente	Transparent methacrylate	Méthacrylate transparent	Metacrilato transparente
PPH	Polipropileno homopolímero	Polypropylene homopolymer	Polypropylène homopolymère	Homopolímero de polipropileno
RESIN	Resina	Resin	Resine	Resina
SILICON	Silicona	Silicone	Silicone	Silicone
STONE	Piedra	Stone	Pierre	Pedra
STRAW	Paja	Straw	Paille	Palha
TECNO POLIM	Tecnopolímero	Technopolymer	Technopolymère	Tecnopolímero
TERMO PLASTIC	Termoplástico	Thermoplastic	Thermoplastique	Termoplástico
WOOD	Madera	Wood	Bois	Madeira

MATERIALES MATERIALS MATÉRIAUX MATERIAIS

PRODUCTOS DE POLIAMIDA

Una poliamida es un tipo de polímero que contiene enlaces de tipo amida. Las poliamidas se pueden encontrar en la naturaleza, como la lana o la seda, y también ser sintéticas, como el nylon o el Kevlar.

La poliamida, de uso cada vez más frecuente en la industria, agrupa materiales como el Policarbonato, Polivinilo o el Nylon. Todos ellos con unas características comunes: su difícil destrucción y su larga duración. Considerado uno de los materiales más adecuado en productos expuestos a temperaturas extremas, a la humedad, al salitre del mar, a los rayos UV y a los fertilizantes químicos.

La composición de los materiales poliamida, son garantía de una larga duración, tanto en zonas secas como húmedas.
Su deterioro puede producirse por:

- Maltrato o fuerte impacto.
- Aproximación a espacios de alta temperatura.
- Contacto con productos químicos de mucha acidez.

POLYAMIDE PRODUCTS

A polyamide is a polymer containing monomers of amides. They can occur both naturally, as in wool and silk, and artificially, examples being nylon and Kevlar.

Increasingly more widely used in industry, polyamides Include materials such as polycarbonate, polyvinyl and nylon, all of which share common characteristics: their durability and difficult destruction. They are considered one of the most suitable materials for products exposed to extreme temperatures, dampness and humidity, salty and coastal environments, UV rays and chemical fertilizers.

The composition of polyamide materials is a guarantee of their durability in both dry and damp zones. Their deterioration may be produced by:

- Misuse or heavy impact
- Proximity to high temperatures
- Contact with highly acidic chemical product

PRODUITS EN POLYAMIDE

Une polyamide est un type de polymère qui contient des liaisons d'amide. Les polyamides peuvent se trouver dans la nature, par exemple dans la laine ou la soie ou peuvent être synthétiques comme le nylon ou le Keylar.

La polyamide qui a une utilisation de plus en plus fréquente dans l'industrie, regroupe des matériaux tels que le Polycarbonate, le Polyvinyle ou le Nylon. Ces derniers possèdent une caractéristique commune : sa difficile destruction et sa longue duration. Elle est considérée comme l'un des matériaux les plus appropriés pour les produits qui sont constamment exposés à des températures extrêmes, à l'humidité, au salpêtre de la mer, aux rayons UV et aux fertilisants chimiques.

Les matériaux composés en polyamide garantissent une longue duration tantôt en zones sèches comme en zones humides. Sa détérioration peut se produire à cause de :

- Un fort impact.
- Son approximation a des espaces d'hautes températures.
- Un contact avec des produits chimiques très acides.

PRODUTOS DE POLIAMIDA

Uma poliamida é um tipo de polímero que contém ligações do tipo amida. As poliamidas podem ser encontradas na natureza, como na lã ou seda, e também ser sintéticas, como o nylon ou o Kevlar.

A poliamida, cada vez mais utilizada na indústria, agrupa materiais tais como o policarbonato, polivinilo ou o nylon. Todos eles têm características comuns: a sua difícil destruição e a sua longa duração. É considerado um dos materiais mais adequados para produtos expostos a temperaturas extremas, à humidade, ao salitre do mar, aos raios UV e aos fertilizantes químicos.

A composição dos materiais de poliamida é garantia de uma longa duração, tanto em zonas secas como húmidas. A sua deterioração pode ser causada por:

- Uso abusivo ou impactos fortes
- Proximidade de zonas com temperaturas elevadas.
- Contacto com produtos químicos de elevada acidez.

PRODUCTOS DE ALUMINIO

El aluminio es un elemento químico, de símbolo Al y número atómico 13. Se trata de un metal no ferroso. Es el tercer elemento más común encontrado en la corteza terrestre. Los compuestos de aluminio forman el 8% de la corteza de la tierra y se encuentran presentes en la mayoría de las rocas, de la vegetación y de los animales. En estado natural se encuentra en muchos silicatos (feldespatos, plagioclasas y micas). Como metal se extrae del mineral conocido con el nombre de bauxita, por transformación primero en alúmina mediante el proceso Bayer y a continuación en aluminio mediante electrólisis.

Nuestros artículos han sido protegidos con cromatización y acabados con pinturas de poliéster y su deterioro puede producirse por:

- Contacto continuado con aguas de alto porcentaje de sal o aguas ácidas contaminadas por abonos o insecticidas.
- La electrólisis producida por el contacto del aluminio con los tornillos de sujeción si son de hierro (se aconsejan de acero inoxidable).
- La corriente vagante existente en el terreno, únicamente evitable con una correcta toma-tierra.
- La no protección rápida del aluminio en el caso de verse arrancada la pintura por roce o golpe.

ALUMINIUM PRODUCTS

Aluminium is a chemical element, with symbol Al and atomic number 13. It is a non-ferrous metal, and the third most common element found in the earth's crust. Aluminium components account for 8% of the earth's crust, and are present in most rocks, vegetation and animals. In its natural state it is found in many silicates (feldspars, plagioclases and micas). As a metal it is extracted from the mineral known by the name bauxite, being transformed first into alumina through the Bayer process, and then into aluminium through electrolysis.

Our articles are protected by chromatizing and finished in polyester paints, but their deterioration may be produced by:

- Continuous contact with water that has a high percentage of salt or acidic water contaminated with fertilizers or insecticides.
- Electrolysis produced by contact of the aluminium with the fixing screws, if these are made of iron (stainless steel is recommended).
- Stray current in the ground, which can only be avoided by a proper earth-ground connection.
- Not protecting the aluminium quickly enough in the case of the paint being chipped or scratched.

PRODUITS EN ALUMINIUM

L'aluminium est un élément chimique, son symbole est Al et son nombre atomique le 13. Il ne s'agit pas d'un métal ferreux. Il est le troisième élément le plus commun parmi le cortex terrestre. Les composés de l'aluminium forment le 8% de ce cortex et se trouvent présents dans la plupart des rochers, de la végétation ou des animaux. Dans son état naturel il se trouve dans de nombreux silicates (feldspath, plagioclase et micas). Avant d'être un métal, il est extrait de la minérale bauxite, ensuite transformé en alumine grâce au processus Bayer puis transformé en aluminium par électrolyse.

Nos produits ont été protégés par chromatisation et réalisés avec des peintures de polyester. Sa détérioration peut se produire à cause de :

- Un contact continu avec des eaux en haut pourcentage de sel ou des eaux acides contaminées par des produits chimiques.
- L'électrolyse produite par le contact de l'aluminium avec les vis d'épinglage si ceux-ci sont de fer (on conseille d'utiliser ceux en acier)
- Le courant qui vague dans de le terrain et qui ne peut être évité que par une bonne prise de terre.
- La non-protection rapide de l'aluminium dans le cas où la peinture se verrait arrachée à cause des coups ou du frôlement.

PRODUTOS DE ALUMÍNIO

O alumínio é um elemento químico, com símbolo Al e número atómico 13. É um metal não ferroso. É o terceiro elemento mais comum encontrado na crosta terrestre. Os compostos de alumínio formam 8% da crosta terrestre, estando presentes na maioria das rochas, vegetação e animais. No estado natural pode ser encontrado em inúmeros silicatos (feldspatos, plagioclases e micas). Como metal é extraído do mineral conhecido pelo nome de bauxite em duas fases, primeiro é feita a obtenção da alumina pelo processo Bayer e, posteriormente, a eletrólise do óxido para obter o alumínio.

Os nossos artigos foram protegidos com cromagem e acabamentos com pinturas de poliéster, podendo a sua deterioração ser causada por:

- Contacto continuado com águas com percentagem de sal elevada ou águas ácidas contaminadas por adubos ou inseticidas.
- A eletrólise produzida pelo contacto do alumínio com os parafusos de fixação se forem de ferro (aconselha-se aço inoxidável).
- A corrente parasita existente no terreno, somente evitável através de uma correta ligação à terra.
- A não proteção rápida do alumínio, no caso de a tinta ser esfolada por raspamento ou impacto.

PRODUCTOS DE RESINA

Las luminarias fabricadas con resina destacan por estas cualidades:

- Protegidas contra la corrosión química en un amplio rango de ácidos, bases, cloruros, sales y solventes orgánicos.
- Protegidas contra el impacto en la pintura de los rayos UV.
- Excelente comportamineto en aislamiento térmico y eléctrico (doble aislamiento).
- Sobresaliente resistencia al impacto y a la fatiga.
- Fabricadas con materiales ignífugos.
- Ligeras y fáciles de transportar.
- Mantenimiento mínimo.

PRODUITS EN RESINE

Principaux avantages des luminaires en resine:

- Protection contre la corrosion chimique face à un large éventail de produits acides, bases, chlorures, sels et solvants organiques.
- Protection contre les effets des rayons UV sur la peinture.
- Excellent résultat en matière d'isolation thermique et électrique (double isolation).
- Excellente résistance aux chocs et durabilité exceptionnelle-
- Fabriquées avec des matériaux ignifuges
- Légères et faciles à transporter.
- Faible entretien nécessaire.

RESIN PRODUCTS

Lighting equipment manufactured with resin stands out for the following qualities:

- Protected against chemical corrosion from a wide range of acids, alkalis, chlorides, salts and organic solvents.
- Protected against the impact of UV rays on the paint.
- Excellent behaviour in thermal and electrical insulation (double insulation).
- Outstanding resistance to impact and fatigue.
- Made from flame-retardant materials.
- Light and easy to transport.
- Minimum maintenance.

PRODUCTOS DE RESINA

As luminárias fabricadas com resina destacam-se pelas seguintes qualidades:

- Proteção contra a corrosão química provocada por um vasto leque de ácidos, bases, cloretos, sais e solventes orgânicos.
- Proteção contra os efeitos dos raios UV na pintura.
- Excelente comportamento em termos de isolamento térmico e elétrico (duplo isolamento).
- Excelente resistência ao impacto e à fadiga.
- Fabricadas com materiais ignífugos.
- Leves e fáceis de transportar.
- Manutenção mínima.

PRODUCTOS DE ACERO INOXIDABLE

El acero inoxidable es un tipo de acero resistente a la corrosión, dado que el cromo que contiene posee gran afinidad por el oxígeno y reacciona con él formando una capa pasivadora de aproximadamente un átomo de grosor, evitando así la corrosión del hierro. Sin embargo, esta capa puede ser afectada por algunos ácidos, dando lugar a que el hierro sea atacado y oxidado por mecanismos intergranulares o picaduras generalizadas.

El acero inoxidable que nosotros normalmente usamos para nuestros productos es el tipo AISI 304, AISI 316 y AISI 316L con un acabado satinado o brillante. Este tipo de acabado garantiza una actuación excelente por lo que se refiere a la durabilidad, fuerza, además de su fácil limpieza.

Sobre el acero inoxidable pueden aparecer pequeñas manchas como resultado del contacto con la atmósfera marina, ambientes húmedos así como la cal proveniente de los riegos. Este tipo de contaminación sobre el acero inoxidable se eliminará con la aplicación de productos limpiadores que contengan ácido fosfórico.

Es necesario tomar en consideración otro gran factor a favor del acero inoxidable comparado con otros materiales como el aluminio, el hierro o el plástico, y es que tiene una mayor resistencia a los golpes y al calor, lo que lo convierte en el material mas resistente a los actos vandálicos.

STAINLESS STEEL PRODUCTS

Stainless steel is corrosion resistant because the chromium it contains has great affinity for oxygen, reacting with it to form a passivating layer approximately one atom thick and thus preventing corrosion of the iron. However, this layer can be affected by some acids, giving rise to the iron being attacked and oxidised by intergranular mechanisms or generalised pitting.

The stainless steel that we normally use in our products is type AISI 304, AISI 316 or AISI 316L, with a satin or mirror finish which ensures excellent performance in terms of durability and strength, as well as being easy to clean.

Small stains may appear on stainless steel caused by contact with the marine or coastal atmosphere or damp or humid environments, as well as by limescale deposited during garden watering. This type of contamination on stainless steel can be eliminated using cleaning products that contain phosphoric acid.

Another important factor that should be taken into account in favour of stainless steel when compared with other materials such as aluminium, iron or plastic is its greater resistance to impact and heat, which makes it ideal in terms of protection against vandalism.

PRODUITS EN ACIER INOXYDABLE

L'acier inoxydable est un type d'acier résistant à la corrosion. Le chrome qu'il contient possède une forte affinité avec l'oxygène, et réagissant ensemble, ils forment une couche de passivation d'environ un atome d'épaisseur, qui empêche la corrosion du fer. Cependant, cette couche peut être affectée par certains acides, ce qui provoque que le fer soit attaqué et oxydé par des mécanismes intergranulaires ou des piqûres répandues.

L'acier inoxydable que l'on utilise normalement pour nos produits est le AISI 304, AISI 316 et AISI 316L avec finition satinée ou brillante. Ce genre de finition garantit une actuation excellente lorsqu'on pense à sa durabilité et sa force, en plus d'à son nettoyage facile.

Sur acier inoxydable peuvent apparaître des petites tâches comme conséquence à la suite de contcat avec l'atmosphère marine, des milieux humides, ou à cause du calcaire ressortissant des arrosages. Ce genre de contamination de l'acier inoxydable peut être éliminée avec l'application de produits nettoyants contenant de l'acide phosphorique.

Il est nécessaire de prendre en considération les avantages de l'acer par rapport à d'autre matériaux comme l'aluminium, le fer ou le plastique : celui-ci a une majeure résistance aux coups et à la chaleur. Il se présente alors comme le matériel le plus résistant aux actes de vandalisme.

PRODUTOS DE AÇO INOXIDÁVEL

O aço inoxidável é um tipo de aço resistente à corrosão, pois o cromo que contém tem uma grande afinidade com o oxigénio, reagindo com ele e formando uma camada de passivação com aproximadamente um átomo de espessura, que evita a corrosão do ferro. No entanto, esta camada pode ser afetada por alguns ácidos, fazendo com que o ferro seja atacado e sofra corrosão intergranular ou por picaduras generalizadas.

O aço inoxidável que utilizamos normalmente nos nossos produtos é o do tipo AISI 304, AISI 316 e AISI 316L com um acabamento acetinado ou brilhante. Este tipo de acabamento garante um desempenho excelente em termos de durabilidade, força, além de permitir uma fácil limpeza.

No aço inoxidável podem aparecer pequenas manchas resultantes do contacto com a atmosfera marinha, ambientes húmidos, bem como manchas de calcário decorrentes da rega. Este tipo de contaminação superficial do aço inoxidável é eliminado através da aplicação de produtos de limpeza com ácido fosfórico.

É necessário tomar em consideração outra grande vantagem do aço inoxidável relativamente aos outros materiais como o alumínio, o ferro ou o plástico, nomeadamente a sua maior resistência aos choques e ao calor, o que o torna o material mais resistente aos atos de vandalismo.

Líquido para desengrasar, pulir y proteger los artículos de acero inoxidable.
Liquid to degrease, polish and protect stainless steel products.
Liquide à dégraisser, polir et protéger les produits en acier inoxydable.
Líquido para desengordurar, polir e proteger os artigos de aço inoxidável.

A01A-004-00 250gr.

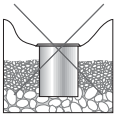
RECOMENDACIONES DE INSTALACIÓN
INSTALLATION RECOMMENDATIONS
CONSEILS UTILES POUR INSTALLATION
RECOMENDAÇÕES DE INSTALAÇÃO

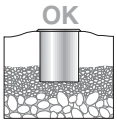
La instalación de los aparatos enterrados debe realizarla personal cualificado, con la máxima precaución y de acuerdo con las instrucciones de montaje y las normas de instalación electrónica conformes con la normativa vigente.

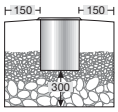
The installation of recessed devices should be carried out with extreme caution by qualified professionals in accordance with installation instructions and local regulations.

L'installation des appareils enterrés doit être réalisée par du personnel qualifié en faisant très attention, et en suivant les instructions de montage et les normes d'installation électroniques des normes compatibles avec la réglementation en vigueur.

A instalação dos aparelhos enterrados deve ser feita por pessoal qualificado, empregando a máxima precaução e de acordo com as instruções de montagem e as normas de instalação eletrónica consagradas na regulamentação em vigor.







1- Evite siempre colocar las luminarias en vaguadas o depresiones del terreno.

2- Es indispensable crear un drenaje eficaz para todos los aparatos (arena de gravilla de 25 a 30 mm) con el objetivo de evitar el estancamiento de agua en el fondo del surco donde se instalan los aparatos. Un drenaje correcto debe permitir la absorción de 5 litros de agua en 8 minutos.

3- En lo referente a los aparatos encastrados en cemento u hormigón y habida cuenta de la tendencia de estos materiales a sufrir dilatación o compresión debido a los cambios de temperatura, es preciso prever un recubrimiento de dilatación y asegurarse de que el surco esté perfectamente nivelado con el pavimento.

4- Para una correcta conservación de las balizas, recomendamos su aplicación sobre una pilastra, y nunca directamente sobre tierras o césped.

5- La conexión entre los aparatos debe efectuarse mediante cable flexible tipo H05RN-F o H07RN-F con el fin de facilitar el mantenimiento de los aparatos y evitar los esfuerzos sobre los prensacables durante la instalación.

6- Siga detenidamente las instrucciones de montaje durante la instalación y operaciones de mantenimiento.

7- Para minimizar la posible condensación de vapor de agua dentro del aparato, debe hacerse funcionar durante 1 hora sin el cristal de protección, transcurrido ese periodo de tiempo, ciérrelo inmediatamente.

8- Todas las valoraciones y decisiones técnicas deben ser tomadas por el responsable del departamento técnico, limitando los comentarios o propuestas realizadas por personas ajenas a dicho departamento.

1- Always avoid installing the lamps in watercourses or depressions in the ground.

2- It is essential to create efficient drainage for all the devices (25 to 30mm of gravel) in order to avoid water collecting in the bottom of the hole in which they are installed. Proper drainage should allow the absorption of 5 litres of water in 8 minutes.

3- In the case of devices embedded in cement or concrete and bearing in mind the tendency of these materials to suffer dilation or compression due to changes of temperature, it is essential to Include an expansion joint and ensure the hole is perfectly level with the paving.

4- To ensure the proper conservation of bollards we recommend their installation on a plinth, never directly onto the ground or lawn.

5- The connection between devices must be made using H05RN-F or H07RN-F type flexible cable in order to facilitate their maintenance and avoid strain on the cable grips during installation.

6- Follow the instructions carefully during installation and maintenance operations.

7- To minimise possible condensation inside the device, turn it on for 1 hour without the protective glass, closing it immediately once this time has elapsed.

8- All technical evaluations and decisions must be made by the head of the technical department. The comments and suggestions of people outside this department should be considered with due caution.

1- Toujours éviter de placer les luminaires dans les talwegs ou dépressions du terrain.

2- Il est essentiel de créer un drainage efficient pour tous les appareils (sable gravies gravier de 25-30 mm) afin d'éviter la stagnation d'eau dans le fond de la gorge où les appareils sont installés. Un drainage adéquat doit permettre l'absorption de 5 litres d'eau en 8 minutes.

3- En ce qui concerne l'appareil encastré dans du ciment ou de béton et étant donné la tendance de ces matériaux à subir une dilatation ou une compression due aux variations de température, il est nécessaire de prévoir un revêtement de dilatation et faire en sorte que la rainure est parfaitement au ras du trottoir.

4- Pour un bon entretien des balises, nous recommandons l'application d'un pilier, et jamais directement sur le sol ou l'herbe.

5- La connexion entre les appareils doit être faite en utilisant un câble souple du type H05RN-F ou H07RN-F afin de faciliter la maintenance de l'appareil et éviter des pressions sur la presse-à-câbles au cours de l'installation.

6- Suivez attentivement les instructions de montage lors de l'installation et pendant les opérations de maintenance.

7- Afin de minimiser l'éventuelle condensation de vapeur d'eau dans l'appareil, on doit le faire marcher pendant une heure sans verre de protection. Après cette période de temps, fermer l'appareil immédiatement.

8- Toutes les évaluations et les décisions techniques sont à prendre par le responsable du département technique, ce qui limite les observations et propositions faites par des personnes extérieures au département.

1.- Evite sempre colocar as luminárias em vales por onde as águas tendam a escorrer ou depressões do terreno.

2.- É indispensável criar uma drenagem eficaz para todos os aparelhos (areia tipo gravilha de 25 a 30 mm) com o objetivo de evitar a acumulação de água no fundo do sulco de instalação dos aparelhos. Uma drenagem correta deve permitir a absorção de 5 litros de água em 8 minutos.

3.- No que toca aos aparelhos encastrados em cimento ou betão, é necessário tomar em consideração a tendência que estes materiais têm para sofrer dilatação ou compressão devido às variações da temperatura. Por isso, deve providenciar-se um revestimento de dilatação e assegurar que o sulco está perfeitamente nivelado com o pavimento.

4.- Para uma conservação correta dos elementos balizadores, recomendamos a sua aplicação sobre um pilar e nunca diretamente sobre terra ou relvado.

5.- A ligação entre os aparelhos deve ser feita através de um cabo flexível do tipo H05RN-F ou H07RN-F com o fim de facilitar a manutenção dos mesmos e evitar esforçar os bucins durante a instalação.

6.- Siga atentamente as instruções de montagem durante a instalação e operações de manutenção.

7.- Para minimizar uma possível condensação de vapor de água dentro do aparelho, este deve funcionar durante 1 hora sem vidro de proteção e, passado esse tempo, deve ser imediatamente fechado.

8.- Todas as avaliações e decisões técnicas devem ser tomadas pelo responsável do departamento técnico, evitando-se observações ou propostas de pessoas alheias a esse departamento.

· El cristal puede alcanzar temperaturas elevadas, por lo tanto evite el contacto con personas o cosas. Se aconseja una limpieza frecuente del exterior del aparato, para evitar así que materiales extraños impidan la disipación del calor con la consiguiente alteración de los componentes y pérdida de estanqueidad.

· The glass may reach high temperatures, so avoid its contact with people or objects. Frequent cleaning of the outside of the device is recommended to avoid foreign objects and materials preventing heat dissipation, with the consequent effect this will have on components and the loss of water-tightness.

· Le verre peut atteindre des températures élevées, donc il faudrait éviter tout contact avec des personnes ou des choses. Nous recommandons un nettoyage fréquent de la partie extérieure de l'appareil, afin d'éviter les matières étrangères d'empêcher la dissipation de la chaleur qui pourrait provoquer une altération des composants et la perte d'étanchéité.

· O vidro pode atingir temperaturas elevadas, razão pela qual o contacto com pessoas ou objetos deve ser evitado. Aconselha-se uma limpeza frequente do exterior do aparelho para evitar que materiais estranhos impeçam a dissipação do calor e levem a uma alteração dos componentes e perda de estanqueidade.

Dando cumplimiento a la Ley para la defensa de los Consumidores, GRUPO NOVOLUX garantiza los productos adquiridos de los eventuales vicios ocultos o defectos originarios de fabricación. Su durabilidad siempre dependerá de lo siguiente:
- No utilizar en ningún caso atornilladores mecánicos en empotrables de suelo.
- Utilizar siempre en la instalación el cable recomendado por el fabricante o de superior calidad.
- Toda sustitución de cualquier pieza original suministrada por el fabricante (Incluyendo la tornillería) anula automáticamente la garantía.
- El uso de silicona exime a Novolux de toda responsabilidad.
- Cualquier manipulación anula automáticamente la garantía.
- Una mala utilización del Racor (prensaestopa) anula automáticamente la garantía.
- Novolux recuerda a sus clientes que la instalación de su material en lugares de concurrencia pública quedan bajo la responsabilidad del prescriptor o instalador, ya que Novolux vende exclusivamente iluminación de interior y exterior residencial.
- La selección del material por parte de los clientes exime a Novolux de una posible aplicación Incorrecta.
- Novolux sólo se responsabilizará de la calidad de sus productos, siempre que se sigan las recomendaciones indicadas y declinará toda la responsabilidad por la:
  - Aplicación inadecuada de las luminarias o de las lámparas empleadas
  - Incorrecto suministro eléctrico.
  - No seguir las instrucciones de instalación y mantenimiento.
  - Agentes externos.
- Los gastos producidos en la solución de un problema ajeno a la calidad de la luminaria (desplazamientos del técnico reparación de las luminarias. . .etc), serán facturados al cliente.

In compliance with consumer protection legislation, GRUPO NOVOLUX guarantees the products acquired against any latent or manufacturing defects. The durability of these products will depend on the following:
- Never use mechanical screwdrivers on recessed ground lights.
- In the installation, always use the cable recommended by the manufacturer or one of a higher quality.
- The replacement of any original part supplyd by the manufacturer (Including screws etc.) automatically annuls the guarantee.
- The use of silicon frees Novolux from any liability.
- Any manipulation of the device automatically annuls the guarantee.
- Improper use of the cable grip automatically annuls the guarantee.
- Novolux reminds customers that the installation of products in areas of public transit is entirely the responsibility of the purchaser or installer, as Novolux sells lighting exclusively for the interior and exterior of residences.
- The choice of material by customers frees Novolux from any liability for improper application.
- Novolux is solely liable for the quality of its products when the recommendations indicated herein are followed, and declines any liability for:
  - Improper application of the luminaires or the lamps employed.
  - Incorrect electrical supply.
  - Failure to follow the installation and maintenance instructions.
  - External agents.
- The expenses produced in resolving any problem unrelated to the quality of the product (technician's travelling expenses, cost of repair, etc.), which will be invoiced to the customer.

En conformité avec la loi pour la défense des consommateurs, NOVOLUX GROUP garantit les produits achetés auprès de tous les vices cachés ou vices de fabrication d'origine.
Sa durabilité dépendra toujours de ce qui suit:
- Ne jamais utiliser de tournevis mécanique pour les encastrables de sol.
- Toujours utiliser, lors de l'installation, du câble recommandé par le fabricant, ou de meilleure qualité.
- Tout remplacement de toute pièce d'origine fournie par le fabricant (y compris les visses) annule automatiquement la garantie.
- L'utilisation de silicone exempte Novolux de toute responsabilité.
- Toute manipulation annule automatiquement la garantie.
- Une mauvaise utilisation du Racor (presse. . .) annule automatiquement la garantie.
- Novolux rappelle à ses clients que l'installation de son équipement dans des espaces de fréquentation publique est responsabilité du prescripteur ou de l'installateur, puisque Novolux conçoit et vend exclusivement de l'éclairage résidentiel, intérieur et extérieur.
- Le choix des matériaux de la part de ses clients, exempte Novolux d'une mauvaise application de ceux-ci.
- Novolux est uniquement responsable de la qualité de ses produits à condition que les recommandations indiquées ci-dessus soient suivies, et décline toute responsabilité pour:
  - La mise en œuvre inadéquate des luminaires ou des lampes employées
  - Une alimentation électrique Incorrecte.
  - Ne pas suivre les instructions d'installation et de maintenance.
  - Des agents externes.
- Des dépenses engagées dans la résolution d'un problème non lié à la qualité du luminaire (déplacement du technicien de réparation des luminaires, etc.), seront facturées auprès du client.

Em cumprimento da lei sobre a defesa dos consumidores, o GRUPO NOVOLUX presta garantia dos produtos adquiridos relativamente a eventuais vícios ocultos ou defeitos originais de fabrico. A respetiva validade depende sempre dos seguintes fatores:- Não devem serem utilizadas, em caso algum, aparafusadoras mecânicas em artigos encastráveis no pavimento.
- Para instalação deve ser utilizado sempre o cabo recomendado pelo fabricante ou de qualidade superior.
- Todas as substituições de qualquer peça de origem fornecida pelo fabricante (Incluindo parafusos) anula automaticamente a garantia.
- A utilização de silicone isenta a Novolux de toda e qualquer responsabilidade.
- Qualquer manipulação anula automaticamente a garantia.
- A utilização Incorreta da peça de ligação (bucim) anula automaticamente a garantia.
- A Novolux deseja recordar os clientes de que a instalação do seu material em locais abertos ao público é da responsabilidade do prescritor ou instalador, uma vez que a Novolux vende exclusivamente iluminação de interior e exterior residencial.
- A seleção do material por parte dos clientes isenta a Novolux da responsabilidade por uma possível aplicação Incorreta.
- A Novolux só se responsabiliza pela qualidade dos produtos quando as recomendações indicadas forem seguidas e declina toda e qualquer responsabilidade em caso de:
  - Aplicação inadequada das luminárias ou das lâmpadas utilizadas.
  - Alimentação elétrica Incorreta.
  - Não observação das instruções de instalação e manutenção
  - Agentes externos.
- Os custos Incorridos na resolução de um problema alheio à qualidade da luminária (deslocamento do técnico, reparação das luminárias, etc.) serão imputados ao cliente.

- En el cambio de las lámparas y antes de cerrar las luminarias se debe limpiar las juntas para evitar que se depositen restos de tierra y/o hierba.
- When changing the lamps, the joints should be cleaned prior to closing the luminaire to avoid the accumulation of earth and/or grass.
- Pendant le changement des lampes et avant de fermer les luminaires, on doit bien nettoyer les jointes pour éviter des résidus de terre et/ou de gazon de s'y déposer.
- Ao trocar as lâmpadas, antes de fechar as luminárias deve limpar-se as juntas para evitar o depósito de restos de terra e/ou relva.

- No instalar más de un cable por cada salida.
- Do not install more than one cable in each outlet.
- Ne pas installer plus d'un câble par sortie.
- Não instalar mais do que um cabo por saída.

- Instalar sobre una pilastra a un nivel superior.
- Install on a plinth at a higher level.
- Installer sur un pilier à un niveau supérieur.
- Instalar sobre um pilar num nível superior.

CONDICIONES DE VENTA
CONDIÇÕES DE VENDA

CONDICIONES DE VENTA (España-Portugal)

Todos los pedidos cursados a Grupo Gestión Integral Novolux Internacional, S.L. en adelante "NOVOLUX", implican la aceptación íntegra, por parte del comprador, de las presentes Condiciones Generales de Venta, salvo condiciones particulares pactadas.

1. Precios
Para todo tipo de pedido en **Oferta Comercial Estándar y Bajo Pedido (con referencia en catálogo)** se aplicará la tarifa y condiciones comerciales vigentes en la fecha de recepción de dicho pedido.

Para aquellos pedidos de **Ejecuciones Especiales (sin referencia en catálogo)**, se deberá solicitar una oferta por escrito a NOVOLUX.

Sólo se aplicarán los **precios especiales de las ofertas**, sobre los pedidos íntegros de los mismos. Cualquier alteración sobre la oferta íntegra original por parte del cliente, puede suponer una revisión de las condiciones iniciales de la oferta.

2. Gestión Pedidos
Un pedido no se considerará recepcionado, hasta que la totalidad del mismo se haya cursado correctamente (referencia, color, accesorios, P.V.P. etc.).

El envío de un pedido a NOVOLUX expresara la voluntad de compra por parte del cliente. En el caso que el pedido no pueda ser servido, por el motivo que sea, NOVOLUX informará al cliente de dicha imposibilidad en la mayor brevedad posible. Los pedidos con precios erróneos o discrepancias con las condiciones registradas y/o acordadas por NOVOLUX, no serán tramitados hasta recibir la confirmación escrita del cliente. El correo (e-mail) al cual NOVOLUX solicitará dicha confirmación y aceptación será el que se indique en el pedido recibido del cliente.

Cualquier Pedido recibido que incluya referencias que supongan Ejecuciones Especiales y/o Bajo Pedido requerirá ser aceptado por parte de NOVOLUX, confirmando en factibilidad de producción, precio y plazo de entrega antes de su tramitación. NOVOLUX solicitará el pago por anticipado de, como mínimo, el 30% del valor del pedido (impuestos incluidos).

Los pedidos recibidos que no indiquen lo contrario serán servidos parcialmente en caso de no disponer en stock de la totalidad de los ítems incluidos en él y los portes tendrán la misma condición que el pedido original, entregando los restos de pedido a portes pagados si el pedido ya cumplía la condición inicialmente.

Aquellos pedidos en los que no se indique la voluntad expresa del cumplimiento de un plazo de entrega, serán gestionados según se expone en el punto anterior. En el caso que el cumplimiento del plazo de entrega del pedido total o parcialmente sea requisito indispensable para el cliente, este deberá solicitar plazo de entrega por escrito a NOVOLUX.

Todo pedido inferior a 100€ netos tendrán un cargo de 15€ por gastos de gestión.

3. Devoluciones
Para realizar cualquier devolución, se deberá solicitar autorización previamente a NOVOLUX.

Los productos de **Ejecuciones Especiales, Bajo Pedido o descatalogados no podrán ser devueltos,** ni aun proponiendo una depreciación.
Los productos que sean objeto de solicitud de devolución deben haber sido facturados dentro de los 60 días anteriores a la solicitud.

No se aceptarán devoluciones de productos que no estén en perfecto estado para la venta, incluido su embalaje original. Si por esta causa el cliente solicita el retorno de la mercancía devuelta, el envío de retorno será a portes debidos.

El plazo de devolución del material a NOVOLUX, una vez autorizada, será de máximo 10 días.

A todo producto devuelto se le **aplicará la siguiente depreciación sin excepción**:
– Solicitud hasta 30 días posteriores a la fecha de factura…… 15% de depreciación sobre el valor de la devolución, con un mínimo de 30€ por gastos de gestión.
– Solicitud hasta 60 días posteriores a la fecha de factura…… 25% de depreciación sobre el valor de la devolución, con un mínimo de 30€ por gastos de gestión.

4. Entregas / Transportes
Salvo que se acuerden otros términos de transporte, las mercancías viajarán por cuenta y riesgo del comprador en-condiciones franco fábrica (EXWORKS para envíos internacionales).

Los pedidos que no lleguen a portes francos mínimos (consulte importe de su zona) y no indiquen medio de transporte del cliente, serán enviados con portes cargados en factura.
No se admitirán reclamaciones por roturas o incidencias en el transporte transcurridas 72 horas desde de la recepción de la mercancía.
NOVOLUX sólo se responsabilizará de las incidencias en la entrega, cuando envíe mercancías a portes pagados (a cargo de NOVOLUX).
Los riesgos concernientes a la devolución de las mercancías, correrán siempre a cargo del comprador.

5. Plazos de disponibilidad (franco fábrica)
Los plazos de disponibilidad de mercancía dados por NOVOLUX son siempre aproximados y pueden estar sujetos a variaciones debidas a los propios procesos de gestión de los pedidos, o a terceros responsables del transporte de mercancías y/o suministro de componentes.

Estas posibles variaciones en los plazos, en ningún caso suponen aceptación de responsabilidad o de penalizaciones por demora por parte de NOVOLUX.

6. Servicio especial (CRISTHER 1 hora / DOPO 60 Minutos / EXO 60 Minutos)
Nuestro servicio especial garantiza la preparación del pedido y su puesta a disposición del transitario o transportista designado, en nuestros almacenes en el plazo de 1 hora.

En este servicio los artículos tendrán un cargo de +6%.

Los plazos de transporte no son responsabilidad de NOVOLUX.

7. Proyectos de iluminación
Como servicio adicional a nuestros clientes, disponemos de nuestro propio Departamento Técnico de Proyectos, donde pueden consultar cualquier necesidad lumínica de interior y exterior.
El nivel de prestación de nuestras realizaciones, se adecua a las necesidades de cada proyecto.

8. Muestras
Las muestras de material deberán ser solicitadas mediante pedido y serán facturadas.

El plazo de devolución de las muestras a NOVOLUX, será de un máximo de 30 días desde la fecha que figure en el albarán de entrega y se devolverán a portes pagados.

Las muestras devueltas que no estén en condiciones para la venta (en perfecto estado y con su embalaje original), no podrán ser abonadas.

9. Calidad
Los productos suministrados por NOVOLUX, cumplen con la directiva RoHS 2002/95/CE y con la Norma Europea que marcan las directivas 2006/95/CE indicándose de forma visible tanto en el producto como en su caja exterior. Además, de haber sido sometidos a rigurosos controles de calidad que garantizan su correcto funcionamiento.
NOVOLUX, trabaja permanentemente para mejorar y adecuar sus productos.

Por ello, nos reservamos el derecho a modificar, suprimir o ampliar nuestros productos en catalogo sin previo aviso, y sin que ello sea motivo de reclamaciones.

Dependiendo de los materiales de fabricación y para su máxima optimización en el tiempo, NOVOLUX recomienda realizar los trabajos de mantenimiento con la periodicidad necesaria.

10. Garantía
Todos los productos de NOVOLUX, poseen de un periodo de garantía de 2 años desde la fecha de factura de NOVOLUX.
Bajo solicitud, se puede valorar una extensión de garantía u ofrecer una garantía de proyecto personalizada, tras evaluar las condiciones de aplicación.

En el caso de las lámparas, se garantizará 1 año, siempre que se cumplan las siguientes condiciones de aplicación:
– Temperatura ambiente de max. –10ºC a +40ºC.
– Mín. 10mm de espacio alrededor del cuerpo de la lámpara.
– La instalación eléctrica en la que funcione el producto no debe estar sometida a fluctuaciones de tensión dentro de un intervalo que sobrepase el nominal de la red +/– 10%.
– Máx. 50.000 conmutaciones rápidas (tiempo entre encendido y apagado inferior a 30s).
En caso de no cumplirse estas condiciones, se aplicará la garantía legal de 6 meses contra defectos de fabricación.

El Departamento Técnico de NOVOLUX es el único autorizado para determinar si se trata de un defecto de fabricación, después de recibir por escrito la incidencia, donde se exigirá la factura de venta para verificar la fecha.

La responsabilidad de NOVOLUX cubre la substitución del producto defectuoso, por el mismo modelo u otro similar, o el abono de su valor en caso de que ya no se fabrique o no se encuentre disponible. No le será exigible ninguna otra responsabilidad por garantía o cualquier otro concepto, explícita o implícita, salvo la aquí establecida.

NOVOLUX no asume la responsabilidad por la mala utilización y/o aplicación de sus productos. Nuestros productos perderán su garantía en caso de que sean manipulados indebidamente o instalados incorrectamente.
Quedan excluidos de la garantía los defectos y deterioros causados por el desgaste o uso, por causa de fuerza mayor, mantenimiento defectuoso, o por el uso inadecuado del producto no especificado ni autorizado previamente por el vendedor.

Las intervenciones a título de garantía no tendrán como efecto la prolongación de la duración de la misma.

11. Reserva de propiedad
NOVOLUX se reserva el derecho de propiedad de todos los materiales que suministre, hasta que el comprador haya hecho efectivo el pago total de los mismos.

12. Jurisdicción
Para cualquier discrepancia o litigio que se derive de las citadas Condiciones Generales de Venta, ambas partes se someten a la competencia de los Juzgados y Tribunales de Barcelona, con expresa renuncia a su fuero propio.

CONDIÇÕES DE VENDA (Espanha-Portugal)

Todos os pedidos endereçados e registados pelo Grupo Gestión Integral Novolux Internacional, S.L., daqui para a frente "NOVOLUX" implicam a aceitação na íntegra, por parte do comprador, das presentes Condições Gerais de Venda, salvo condições particulares acordadas.

1. Preços
Para todo o tipo de pedido/encomenda em **Oferta Comercial Normal e Sob Pedido (com referencia em catálogo)** se aplicará a tabela de preços vigente na data de recepção da dita encomenda/pedido, com os descontos acordados e em vigor.

Para aqueles pedidos/encomendas de **Execuções Especiais (sem referencia em catálogo)**, se deverá solicitar uma oferta/proposta por escrito a NOVOLUX.

Só se aplicarão os **preços especiais das ofertas**, sobre os pedidos íntegros dos mesmos. Qualquer alteração sobre a oferta/proposta íntegra original por parte do cliente, pode supor uma revisão das condições iniciais da oferta/proposta.

2. Gestão de Pedidos/Encomendas
Um pedido não se considera recepcionado, até que a totalidade do mesmo, tenha sido processado corretamente (referencia, cor, acessórios, P.V.P., etc.).

O envio de um pedido/encomenda à NOVOLUX, expressa a vontade de compra por parte do cliente. No caso em que o pedido não possa ser servido, pelo motivo que seja, NOVOLUX informará o cliente da dita impossibilidade com a maior brevidade possível. Os pedidos com preços errados ou discrepâncias com as condições registadas e/ou acordadas pela Novolux, não serão processados até receber a confirmação escrita do cliente. O correio (e-mail) ao qual NOVOLUX solicitará a dita confirmação e acordo será o que se indica no pedido/encomenda recebido do cliente.

Qualquer pedido/encomenda recebido incluindo referencias que suponham Execuções Especiais deverá ser aceite por parte de NOVOLUX, confirmando a possibilidade de ser executado pela produção, preço e prazo de entrega antes do mesmo ser processado, para sua posterior realização.Novolux solicitará o pagamento antecipado de, pelo menos, 30% do valor do pedido (impostos incluídos).

Os pedidos/encomendas recebidos que não indiquem o contrário serão fornecidos parcialmente em caso de não dispor em stock da totalidade dos itens incluídos nele e os valores de portes terão a mesma condição que o pedido/encomenda original, entregando os restos de pedido/encomenda a portes pagos se o pedido/encomenda já cumpria a condição inicialmente.

Aqueles pedidos/encomendas em que não se indique a vontade expressa do cumprimento de um prazo de entrega, serão geridos segundo se expõe no ponto anterior. No caso que o cumprimento do prazo de entrega do pedido/encomenda total ou parcialmente seja requisito indispensável para o cliente, este deverá solicitar prazo de entrega por escrito a NOVOLUX.

Todo o pedido inferior a 100€ Líquidos terá um custo de 15,00€ para custos de gestão.

3. Devoluções
Para realizar qualquer devolução, dever-se-á solicitar autorização prévia à NOVOLUX.

Os produtos de **Execuções Especiais ou Sob Pedido ou descatalogados não podem ser devolvidos**, nem mesmo estando sujeitos a uma depreciação.

Os produtos que sejam objeto de solicitação de devolução devem ter sido facturados dentro dos 60 dias anteriores à sua solicitação.

Não se aceitarão devoluções de produtos que não estejam em perfeito estado para a sua venda, incluindo a sua embalagem original. Se por este motivo o cliente solicita o retorno da mercadoria devolvida, o envio de retorno será a portes devidos, ou seja a cargo do cliente.

O prazo de devolução do material à NOVOLUX, uma vez autorizada, será de máximo 10 dias.

A Todo **produto devolvido será aplicada a seguinte depreciação** sem exceção:
– Até 30 dias posteriores à solicitação…… 15% de depreciação sobre o valor da devolução ou 30€ de custos de gestão.
– Até 60 dias posteriores à solicitação…… 25% de depreciação sobre o valor da devolução ou 30€ de custos de gestão.

4. Entregas / Transportes
Salvo acordo de outros términos de transporte, as mercadorias viajarão por conta e risco do comprador em condições franco/segundo fábrica (EXWORKS para envios internacionais).

Os pedidos que não cheguem ao valor de portes mínimo acordado e não indiquem o meio de transporte do cliente, serão enviados com o valor dos portes na factura.
Não se admitirão reclamações por rupturas ou incidências no transporte transcorridas/passadas 72 horas desde a recepção da mercadoria.
NOVOLUX só se responsabilizará pelas incidências na entrega, quando se envie mercadorias a portes pagos (a cargo de NOVOLUX).
Os riscos respeitantes à devolução das mercadorias, serão sempre a cargo do comprador.

5. Prazos de disponibilidade (franco/segundo fábrica)
Os prazos de disponibilidade da mercadoria dados pela NOVOLUX são sempre aproximados e podem estar sujeitos a variações devidas aos próprios processos de gestão dos pedidos/encomendas, ou a terceiros responsáveis do transporte de mercadorias e/ou fornecimento de componentes.

Estas possíveis variações nos prazos, em nenhum caso supõem a aceitação de responsabilidade ou de penalizações por demora por parte da NOVOLUX.

6. Serviço Especial para Espanha e Portugal (CRISTHER 1 hora / DOPO 60 Minutos / EXO 60 Minutos)
O nosso serviço especial garante a preparação do pedido e a sua colocação à disponibilidade do transitário designado nos nossos armazéns no prazo de 1 hora.
Neste serviço os artigos terão um encargo de +6%.

Os prazos de entrega da agencia de transporte não são da responsabilidade da NOVOLUX.

7. Projetos de iluminação
Como serviço adicional aos nossos clientes, dispomos do nosso próprio Departamento Técnico de Projetos, onde podem consultar qualquer necessidade lumínica de interior e exterior.
O nível de prestação das nossas realizações, adequa-se às necessidades de cada projeto.

8. Amostras
As amostras de material deverão ser solicitadas mediante um pedido/encomenda e serão facturadas.

O prazo de devolução das amostras à NOVOLUX, será no máximo de 30 dias a partir da data que figura na Guia de Remessa /Nota de entrega, e serão devolvidas com os portes pagos pelo cliente.

As amostras devolvidas que não estejam em condições para a venda (em perfeito estado e com a sua embalagem original), não poderão ser creditadas.

9. Qualidade
Os produtos fornecidos por NOVOLUX, cumprem com a diretiva RoHS 2002/95/CE e a Norma Europeia que marcam as diretivas 2006/95/CE indicando-se de forma visível tanto no produto como na sua caixa exterior. Apesar, de terem sido submetidos a rigorosos controlos de qualidade que garantem o seu correto funcionamento.
NOVOLUX, trabalha permanentemente para melhorar e adequar os seus produtos.

Por isso, reservamo-nos no direito a modificar, suprimir ou ampliar os nossos produtos sem aviso prévio, e sem que este seja motivo de reclamações.

Dependendo dos materiais de fabricação e para sua máxima optimização no tempo, NOVOLUX recomenda realizar os trabalhos de manutenção com a periodicidade necessária.

10. Garantia
Todos os produtos de NOVOLUX, possuem de um período de garantia de 2 anos a partir do momento da sua compra, ou seja data da factura. Sob pedido, poder-se-á avaliar uma ampliação da garantia a oferecer, ou uma garantia para um projeto especifico, após a avaliação e análise da instalação e do ambiente e das condições de aplicação.

No caso das lâmpadas, existe um período de garantia de 1 ano, sempre que se cumpram as seguintes condições de aplicação:
– Temperatura ambiente de max. –10ºC a + 40ºC.
– Min. 10mm de espaço em redor do corpo da lâmpada.
– A instalação eléctrica em que funciona o produto não deve estar submetida a flutuações/variações de tensão dentro de um intervalo que ultrapasse o valor nominal da rede +/– 10%.
– Máx. 50.000 comutações rápidas (tempo entre o ligado e apagado inferior a 30s)-
Em caso de não se cumprirem estas condições, aplicar-se-á a garantia legal de 6 meses contra defeitos de fabrico.

O Departamento Técnico da Novolux é o único autorizado para determinar se se trata de um defeito de fabrico, depois de receber por escrito a incidência, onde se exigirá a factura de venda bem como a sua data.

A responsabilidade de NOVOLUX cobre a substituição do produto defeituoso, pelo mesmo ou outro similar, ou o crédito do seu valor no caso em que já não se fabrique ou que não se encontre disponível. Não lhe será exigido nenhuma outra responsabilidade por garantia ou qualquer outro conceito, explícita ou implícita, salvo aquela aqui estabelecida.

NOVOLUX não assume a responsabilidade pela má utilização e/ou aplicação dos seus produtos. Os nossos produtos perderão a sua garantia em caso de que sejam manipulados indevidamente ou instalados incorretamente.
Ficam excluídos da garantia os defeitos e deteriorações causados pelo desgaste ou uso, por causa de força maior, manutenção defeituosa, ou pelo uso inadequado do produto não especificado nem autorizado previamente pelo vendedor.

As intervenções a título de garantia não terão como efeito o prolongamento da duração da mesma.

11. Reserva de Propriedade
NOVOLUX reserva-se no direito de propriedade de todos os materiais que fornece, até que o comprador tenha feito o pagamento total dos mesmos.

12. Jurisdição
Para qualquer discrepância ou litígio que derive das citadas Condições Gerais de Venda, ambas partes se submetem à competência dos Juízes e Tribunais de Barcelona, com expressa renúncia ao seu foro próprio.

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003A-G05X1A-30	80	A++,A+,A,B,C,D,E
003B-G05X1A-30	154	A++,A+,A,B,C,D,E
011A-G05X1A-02	197	A++,A+,A,B,C,D,E
011C-G05X1A-02	197	A++,A+,A,B,C,D,E
011D-G05X1A-01	197	A++,A+,A,B,C,D,E
011D-G05X1A-02	197	A++,A+,A,B,C,D,E
013A-G21X1A-03	36	A++,A+,A,B,C,D,E
013A-G21X1A-04	36	A++,A+,A,B,C,D,E
013B-G21X1A-03	36	A++,A+,A,B,C,D,E
013B-G21X1A-04	36	A++,A+,A,B,C,D,E
013C-G21X1A-03	37	A++,A+,A,B,C,D,E
013C-G21X1A-04	37	A++,A+,A,B,C,D,E
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017A-G05X1A-02	195	A++,A+,A,B,C,D,E
024A-G05X1A-02	195	A++,A+,A,B,C,D,E
024B-G05X1A-02	195	A++,A+,A,B,C,D,E
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031A-L0301B-30	104	A++,A+,A
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037A-G21X1A-30	108	A++,A+,A,B,C,D,E
037A-L02D1A-30	110	A++,A+,A
037B-G21X1A-30	108	A++,A+,A,B,C,D,E
043D-G05X1A-02	196	A++,A+,A,B,C,D,E
046C-G05X1A-02	198	A++,A+,A,B,C,D,E
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046G-G05X1A-01	199	A++,A+,A,B,C,D,E
051A-G05X1A-04	50	A++,A+,A,B,C,D,E
051B-G05X1A-04	50	A++,A+,A,B,C,D,E
079A-L0203B-03	90	A++,A+,A
080A-G05X1A-04	30	A++,A+,A,B,C,D,E
082A-G05X1A-02	196	A++,A+,A,B,C,D,E
084A-G31X1A-01	98	A+,A,B
084A-G31X1A-02	98	A+,A,B
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084A-G31X2A-01	96	A+,A,B
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084D-G31X1A-02	99	A+,A,B
084D-G31X1A-03	99	A+,A,B
084E-G31X2A-02	62	A+,A,B
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084F-G31X1A-02	99	A+,A,B
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084Q-G31X1A-03	62	A+,A,B
107B-G05X1A-01	74	A++,A+,A,B,C,D,E
107B-G05X1A-02	74	A++,A+,A,B,C,D,E
107G-G05X1A-01	74	A++,A+,A,B,C,D,E
107G-G05X1A-02	74	A++,A+,A,B,C,D,E
107G-G05X1A-03	74	A++,A+,A,B,C,D,E
107G-G05X1A-04	74	A++,A+,A,B,C,D,E
107H-G05X1A-01	74	A++,A+,A,B,C,D,E
107H-G05X1A-02	74	A++,A+,A,B,C,D,E
107H-G05X1A-04	74	A++,A+,A,B,C,D,E
107I-L0212B-01	75	A
107J-L0212B-01	75	A
117B-G05X1A-30	154	A++,A+,A,B,C,D,E
117C-G05X1A-30	81	A++,A+,A,B,C,D,E
120A-M3670B-04	52	A+,A
129E-G05X1A-02	77, 164	A++,A+,A,B,C,D,E

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129F-G05X1A-02	77, 164	A++,A+,A,B,C,D,E
129G-G05X1A-02	77, 164	A++,A+,A,B,C,D,E
129H-G05X1A-02	77, 164	A++,A+,A,B,C,D,E
132A-G05X1A-30	79	A++,A+,A,B,C,D,E
132B-G05X1A-30	79	A++,A+,A,B,C,D,E
153D-G31X1A-02	143	A+,A,B
157A-H20X1A-01	46	A++,A+,A,B,C
157A-H20X1A-02	46	A++,A+,A,B,C
157A-H20X1A-03	46	A++,A+,A,B,C
157A-H20X1A-04	46	A++,A+,A,B,C
157A-H20X1A-91	46	A++,A+,A,B,C
157A-L0105B-01	46	A++,A+,A
157A-L0105B-02	46	A++,A+,A
157A-L0105B-03	46	A++,A+,A
157A-L0105B-04	46	A++,A+,A
157A-L0105B-91	46	A++,A+,A
157B-H20X1A-01	46	A++,A+,A,B,C
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157B-H20X1A-03	46	A++,A+,A,B,C
157B-H20X1A-04	46	A++,A+,A,B,C
157B-H20X1A-91	46	A++,A+,A,B,C
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157B-L01G8B-02	46	A++,A+,A
157B-L01G8B-03	46	A++,A+,A
157B-L01G8B-04	46	A++,A+,A

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157B-L01G8B-91	46	A++,A+,A
157C-G05X1A-01	48	A++,A+,A,B,C,D,E
157C-G05X1A-02	48	A++,A+,A,B,C,D,E
157C-G05X1A-03	48	A++,A+,A,B,C,D,E
157C-G05X1A-04	48	A++,A+,A,B,C,D,E
157C-G05X1A-91	48	A++,A+,A,B,C,D,E
157C-L0109B-01	48	A++,A+,A
157C-L0109B-02	48	A++,A+,A
157C-L0109B-03	48	A++,A+,A
157C-L0109B-04	48	A++,A+,A
157C-L0109B-91	48	A++,A+,A
157D-G05X1A-01	48	A++,A+,A,B,C,D,E
157D-G05X1A-02	48	A++,A+,A,B,C,D,E
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157D-G05X1A-04	48	A++,A+,A,B,C,D,E
157D-G05X1A-91	48	A++,A+,A,B,C,D,E
157D-L01G9B-01	48	A++,A+,A
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157D-L01G9B-03	48	A++,A+,A
157D-L01G9B-04	48	A++,A+,A
157D-L01G9B-91	48	A++,A+,A
159A-G05X1A-03	151	A++,A+,A,B,C,D,E
159A-G05X1A-04	151	A++,A+,A,B,C,D,E
160A-G05X1A-30	80	A++,A+,A,B,C,D,E
162A-G05X1A-01	64	A++,A+,A,B,C,D,E

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162B-G05X1A-03	64	A++,A+,A,B,C,D,E
169A-G05X1A-03	66	A++,A+,A,B,C,D,E
169A-G05X1A-04	66	A++,A+,A,B,C,D,E
169C-G05X1A-04	66	A++,A+,A,B,C,D,E
172A-G21X1A-30	176	A++,A+,A,B,C,D,E
176B-F1226B-02	60	A+,A
176B-F1226B-03	60	A+,A
177A-G05X1A-30	156	A++,A+,A,B,C,D,E
177B-G05X1A-30	81	A++,A+,A,B,C,D,E
178A-F1226B-30	116	A+,A
178A-L98D7B-30	116	A++,A+,A
178A-M0770B-30	116	A+,A
178B-F1226B-30	117	A+,A
183A-L0206A-30	110	A++,A+,A
203B-G05X1A-01	73	A++,A+,A,B,C,D,E
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206A-G05X1A-01	73	A++,A+,A,B,C,D,E
206A-G05X1A-02	73	A++,A+,A,B,C,D,E
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213B-L0102F-30	106	A++,A+,A
213B-L1002F-30	106	A++,A+,A
228A-G05X1A-02	152	A++,A+,A,B,C,D,E
228B-G05X1A-02	152	A++,A+,A,B,C,D,E

REF.	PAG.	ENERGY CLASS
228B-G05X1A-04	152	A++,A+,A,B,C,D,E
228B-G05X1A-05	152	A++,A+,A,B,C,D,E
228B-G05X1A-91	152	A++,A+,A,B,C,D,E
228C-G05X1A-02	153	A++,A+,A,B,C,D,E
228C-G05X1A-04	153	A++,A+,A,B,C,D,E
228C-G05X1A-05	153	A++,A+,A,B,C,D,E
228C-G05X1A-91	153	A++,A+,A,B,C,D,E
228D-G05X1A-02	153	A++,A+,A,B,C,D,E
228D-G05X1A-05	153	A++,A+,A,B,C,D,E
232A-G05X1A-01	63	A++,A+,A,B,C,D,E
232A-G05X1A-03	63	A++,A+,A,B,C,D,E
251A-F1226B-03	86	A+,A
257C-L0215B-30	123	A++,A+,A
264A-G05X1A-01	193	A++,A+,A,B,C,D,E
264A-G05X1A-02	193	A++,A+,A,B,C,D,E
264C-G05X1A-02	192	A++,A+,A,B,C,D,E
264D-G05X1A-01	192	A++,A+,A,B,C,D,E
264D-G05X1A-02	192	A++,A+,A,B,C,D,E
264E-G05X1A-02	192	A++,A+,A,B,C,D,E
264G-G05X1A-01	193	A++,A+,A,B,C,D,E
264G-G05X1A-02	193	A++,A+,A,B,C,D,E
264K-G05X1A-01	193	A++,A+,A,B,C,D,E
264L-G05X1A-02	193	A++,A+,A,B,C,D,E
264M-G05X1A-01	194	A++,A+,A,B,C,D,E
264M-G05X1A-02	194	A++,A+,A,B,C,D,E

REF.	PAG.	ENERGY CLASS
264N-G05X1A-01	194	A++,A+,A,B,C,D,E
264N-G05X1A-02	194	A++,A+,A,B,C,D,E
270A-G05X1A-01	70	A++,A+,A,B,C,D,E
272A-G05X1A-02	150	A++,A+,A,B,C,D,E
272A-G31X1A-02	150	A++,A+,A
272B-G05X1A-02	150	A++,A+,A,B,C,D,E
272B-G31X1A-02	150	A++,A+,A
272C-G05X1A-02	150	A++,A+,A,B,C,D,E
272C-G31X1A-02	150	A++,A+,A
279A-G21X1A-02	182	A++,A+,A,B,C,D,E
279A-G21X1A-03	182	A++,A+,A,B,C,D,E
285A-F1226B-03	151	A+,A
285A-F1226B-04	151	A+,A
286A-G05X1A-03	149	A++,A+,A,B,C,D,E
286A-G05X1A-04	149	A++,A+,A,B,C,D,E
297A-G21X1A-30	80	A++,A+,A,B,C,D,E
297B-G21X1A-30	176	A++,A+,A,B,C,D,E
301A-G05X1A-01	60	A++,A+,A,B,C,D,E
301A-G05X1A-02	60	A++,A+,A,B,C,D,E
305A-L9804H-30	100	A++,A+,A
305B-L0104H-30	101	A++,A+,A
305C-L0102F-30	101	A++,A+,A
305C-L1002F-30	101	A++,A+,A
317A-G05X1A-01	76	A++,A+,A,B,C,D,E
317A-G05X1A-02	76	A++,A+,A,B,C,D,E

REF.	PAG.	ENERGY CLASS
317A-G05X1A-03	76	A++,A+,A,B,C,D,E
317B-G05X1A-01	76	A++,A+,A,B,C,D,E
317B-G05X1A-02	76	A++,A+,A,B,C,D,E
317B-G05X1A-03	76	A++,A+,A,B,C,D,E
317C-G05X1A-01	76	A++,A+,A,B,C,D,E
317C-G05X1A-02	76	A++,A+,A,B,C,D,E
317C-G05X1A-03	76	A++,A+,A,B,C,D,E
321A-G05X1A-03	66	A++,A+,A,B,C,D,E
321A-G05X1A-04	66	A++,A+,A,B,C,D,E
323A-G05X1A-02	43	A++,A+,A,B,C,D,E
323A-G05X1A-03	43	A++,A+,A,B,C,D,E
328A-G05X1A-30	156	A++,A+,A,B,C,D,E
334A-G05X1A-01	70	A++,A+,A,B,C,D,E
335A-L98E2B-03	40	A++,A+,A
335A-L98E2B-04	40	A++,A+,A
349A-F1318B-30	114	A+,A
349A-G05X1A-30	114	A++,A+,A,B,C,D,E
349A-L0107B-30	114	A++,A+,A
350A-G05X1A-01	94	A++,A+,A,B,C,D,E
350A-G05X1A-02	94	A++,A+,A,B,C,D,E
350C-G05X1A-30	94	A++,A+,A,B,C,D,E
350D-G05X1A-30	94	A++,A+,A,B,C,D,E
361A-L02D2B-04	55	A++,A+,A
363A-L02D4B-04	30	A++,A+,A
364A-L02D9B-03	183	A++,A+,A

REF.	PAG.	ENERGY CLASS
366A-L02D4B-03	31	A++,A+,A
367A-L03E1D-30	102	A++,A+,A
368C-L2305D-01	213	A++,A+,A
369C-L2308D-01	213	A++,A+,A
369C-L2308D-02	213	A++,A+,A
369D-L2003B-01	213	A++,A+,A
369D-L2003B-02	213	A++,A+,A
371A-L3309B-01	213	A++,A+,A
372A-G31X1A-02	122	A++,A+,A
372B-G31X1A-02	122	A++,A+,A
372C-G31X1A-02	122	A++,A+,A
373A-G31X1A-02	121	A+,A,B
373B-G31X1A-02	121	A+,A,B
373C-G31X1A-02	121	A+,A,B
378A-L3103A-01	211	A++,A+,A
378A-L3103A-02	211	A++,A+,A
378A-L3104A-01	211	A++,A+,A
378A-L3106A-01	211	A++,A+,A
378A-L3106A-02	211	A++,A+,A
378B-L3107A-01	211	A++,A+,A
378B-L3107A-02	211	A++,A+,A
378B-L3110A-01	211	A++,A+,A
378B-L3110A-02	211	A++,A+,A
378C-L3111A-01	211	A++,A+,A
378C-L3111A-02	211	A++,A+,A

REF.	PAG.	ENERGY CLASS
379A-G31X1A-30	112	A+,A,B
379B-G31X1A-30	112	A+,A,B
409A-G31X1A-02	187	A++,A+,A
443A-L0107A-04	28	A++,A+,A
444A-L0107A-04	29	A++,A+,A
445A-L0107A-04	32	A++,A+,A
447A-G31X1A-04	144	A+,A,B
447B-L01D6A-04	29	A++,A+,A
448A-G05X1A-04	148	A++,A+,A,B,C,D,E
450A-L0107A-04	24	A++,A+,A
451A-L0103A-04	33	A++,A+,A
452A-L0107A-04	145	A++,A+,A
452B-L0107A-04	54	A++,A+,A
453A-G21X1A-04	28	A++,A+,A,B,C,D,E
454A-L0103A-04	32	A++,A+,A
455A-L0105A-04	136	A++,A+,A
455B-L0110B-01	136	A++,A+,A,B,C,D,E
455B-L0110B-04	136	A++,A+,A,B,C,D,E
456A-L0106A-04	146	A++,A+,A
459A-G04X1A-01	166	A++,A+,A,B,C,D,E
461A-L0206A-04	29	A++,A+,A
461B-L0206A-04	138	A++,A+,A
462A-L0205B-04	143	A++,A+,A
463A-G21X1A-02	180	A++,A+,A,B,C,D,E
464A-L0124F-00	202	A++,A+,A

REF.	PAG.	ENERGY CLASS
464A-L0172F-00	202	A++,A+,A
464A-L0224F-00	202	A++,A+,A
464A-L0472F-00	203	A++,A+,A
464B-L0105F-00	202	A++,A+,A
464B-L0115F-00	202	A++,A+,A
464B-L0205F-00	202	A++,A+,A
464B-L0415F-00	203	A++,A+,A
464C-L0172F-00	202	A++,A+,A
464D-L0115F-00	202	A++,A+,A
465A-L0124F-29	205	A++,A+,A
465B-L0172F-29	204	A++,A+,A
465C-L0115F-29	204	A++,A+,A
465D-L0172F-29	204	A++,A+,A
465E-L0115F-29	204	A++,A+,A
465F-L0124F-29	204	A++,A+,A
465F-L0224F-29	204	A++,A+,A
465F-L0472F-29	205	A++,A+,A
465G-L0105F-29	204	A++,A+,A
465G-L0205F-29	204	A++,A+,A
465G-L0415F-29	205	A++,A+,A
482A-L0107A-04	178	A++,A+,A
521A-L0213B-03	69	A++,A+,A
522A-L0214B-03	69	A++,A+,A
524B-L0201A-04	34	A++,A+,A
525A-L0122F-30	188	A++,A+,A

REF.	PAG.	ENERGY CLASS
525A-L0422F-30	189	A++,A+,A
525B-L0145F-30	188	A++,A+,A
525B-L0245F-30	188	A++,A+,A
525B-L0445F-30	189	A++,A+,A
532A-L0103A-03	84	A++,A+,A
534A-L0109A-01	26	A++,A+,A
534A-L0109A-04	26	A++,A+,A
534B-L0109A-01	142	A++,A+,A
534B-L0109A-04	142	A++,A+,A
534C-L0109A-01	26	A++,A+,A
534C-L0109A-04	26	A++,A+,A
534D-L0109A-01	142	A++,A+,A
534D-L0109A-04	142	A++,A+,A
535A-L0106A-01	58	A++,A+,A
535A-L0106A-04	58	A++,A+,A
536A-L0106A-04	58	A++,A+,A
537A-L0107A-04	33, 140	A++,A+,A
537B-L0107A-04	140	A++,A+,A
538A-G21X1A-04	176	A++,A+,A,B,C,D,E
539A-G21X1A-04	179	A++,A+,A,B,C,D,E
540A-L0102B-30	92	A++,A+,A
541A-L0103B-03	86	A++,A+,A
542A-L0107A-04	179	A++,A+,A
543A-L0103A-03	85	A++,A+,A
543A-L0103A-04	85	A++,A+,A

REF.	PAG.	ENERGY CLASS
544A-L0105A-30	92	A++,A+,A
546A-L0101A-30	102	A++,A+,A
547A-L0118A-03	68	A++,A+,A
548B-L0118A-03	68	A++,A+,A
549A-L0112A-04	41	A++,A+,A
550B-L0112A-04	41	A++,A+,A
551A-L0109A-04	172	A++,A+,A
551B-L0108A-04	172	A++,A+,A
552A-L0108A-04	138	A++,A+,A
554A-L0108A-04	146	A++,A+,A
555C-G21X1A-01	38	A++,A+,A,B,C,D,E
555C-G21X1A-02	38	A++,A+,A,B,C,D,E
555C-G21X1A-03	38	A++,A+,A,B,C,D,E
555C-G21X1A-04	38	A++,A+,A,B,C,D,E
555D-G21X1A-01	38	A++,A+,A,B,C,D,E
555D-G21X1A-02	38	A++,A+,A,B,C,D,E
555D-G21X1A-03	38	A++,A+,A,B,C,D,E
555D-G21X1A-04	38	A++,A+,A,B,C,D,E
555E-G21X1A-01	38	A++,A+,A,B,C,D,E
555E-G21X1A-02	38	A++,A+,A,B,C,D,E
555E-G21X1A-03	38	A++,A+,A,B,C,D,E
555E-G21X1A-04	38	A++,A+,A,B,C,D,E
557A-G21X1A-02	120	A++,A+,A,B,C,D,E
557B-G21X1A-02	120	A++,A+,A,B,C,D,E
557C-G21X1A-02	120	A++,A+,A,B,C,D,E

REF.	PAG.	ENERGY CLASS
559A-G31X1A-01	72	A+,A,B
559A-G31X1A-03	72	A+,A,B
559B-G31X1A-01	72	A+,A,B
559B-G31X1A-02	72	A+,A,B
559B-G31X1A-03	72	A+,A,B
559C-G31X1A-01	72	A+,A,B
559C-G31X1A-02	72	A+,A,B
571A-G31X1A-02	78, 186	A++,A+,A
572A-G21X1A-02	184	A++,A+,A,B,C,D,E
578A-L2104A-01	213	A++,A+,A
578A-L2104A-02	213	A++,A+,A
578A-L2105A-01	213	A++,A+,A
578A-L2105A-02	213	A++,A+,A
579C-G31X1A-01	71	A++,A+,A
579C-L0216R-01	71	A++,A+,A
632C-L0504B-01	212	A++,A+,A
632C-L0506B-01	212	A++,A+,A
632C-L0506B-02	212	A++,A+,A
632D-L0404B-01	212	A++,A+,A
632E-L0404B-01	212	A++,A+,A
632F-L0504B-01	212	A++,A+,A
632G-L0504B-01	212	A++,A+,A
632H-L0504B-01	212	A++,A+,A
639A-L0215B-01	135	A++,A+,A
640A-L0114B-04	34	A++,A+,A

REF.	PAG.	ENERGY CLASS
641A-L01J1A-01	54	A++,A+,A
642A-G23X1D-30	170	A++,A+,A,B,C,D,E
642A-L0203D-30	170	A++,A+,A
643A-L0109A-04	90	A++,A+,A
644A-L0203D-39	118	A++,A+,A
644B-L0203D-39	118	A++,A+,A
645A-L0207A-04	119	A++,A+,A
645B-L0207A-04	119	A++,A+,A
646A-G05X1A-01	53	A++,A+,A,B,C,D,E
646A-G05X1A-02	53	A++,A+,A,B,C,D,E
646A-G05X1A-03	53	A++,A+,A,B,C,D,E
646B-G05X1A-01	53	A++,A+,A,B,C,D,E
646B-G05X1A-02	53	A++,A+,A,B,C,D,E
646B-G05X1A-03	53	A++,A+,A,B,C,D,E
647B-G05X1A-01	73	A++,A+,A,B,C,D,E
787A-L0116B-01	23	A++,A+,A
788A-L0116B-04	24	A++,A+,A
789A-L0108A-01	25	A++,A+,A
790A-L0106A-01	56	A++,A+,A
791A-L0112A-04	45	A++,A+,A
791B-L0112A-04	132	A++,A+,A
792A-L0115A-30	115	A++,A+,A
793A-G21X1A-01	44	A++,A+,A,B,C,D,E
793A-G21X1A-02	44	A++,A+,A,B,C,D,E
793A-G21X1A-03	44	A++,A+,A,B,C,D,E

REF.	PAG.	ENERGY CLASS
847A-L0107B-01	35	A++,A+,A,B,C,D,E
847A-L0107B-02	35	A++,A+,A,B,C,D,E
847A-L0107B-04	35	A++,A+,A,B,C,D,E
848A-L0109A-04	42	A++,A+,A,B,C,D,E
848B-L0118A-04	126	A++,A+,A,B,C,D,E
848C-L0118A-04	126	A++,A+,A,B,C,D,E
851A-L3110B-04	174	A++,A+,A
851B-L3110B-04	175	A++,A+,A
853A-L01X1K-04	130	A++,A+,A,B,C,D,E
853B-L01X1K-04	131	A++,A+,A,B,C,D,E
854A-L0104A-01	88	A++,A+,A
854A-L0104A-04	88	A++,A+,A
854B-L0104A-01	88	A++,A+,A
854B-L0104A-04	88	A++,A+,A
858A-G05X1B-02	166	A
858A-K12-632H-01	166	A+
911A-L0118A-04	134	A
911B-L0108L-01	162	A
912A-L0101F-30	104	A
914A-L0103L-01	160	A
914B-L0103L-02	161	A+
916A-L0103K-04	128	A+
916B-L0103K-04	22	A+
916C-L0103K-04	128	A+
918A-L0103L-04	163	A

REF.	PAG.	ENERGY CLASS
A01A-004-00	227	-
A02A-004-00	194, 199	-
A02B-004-00	194, 200	-
A02C-004-00	194, 199	-
A05A-409-02	184, 187	---
A06A-004-01	192	-
A06A-004-02	192	-
A08A-C07-01	194, 199	-
A08A-C07-02	194, 199	-
A14A-409-05	122, 187	---
A14A-409-06	122, 187	---
A14A-409-08	122, 187	---
A14A-546-05	102	---
A14A-546-06	102	---
A14A-546-07	102	---
A50A-778-39	208	-
A50B-778-39	208	-
A50C-778-00	208	-
A50D-778-00	208	-
A50E-778-39	208	-
A50F-778-39	208	-
A50G-778-03	208	-
A50H-778-03	208	-
A50I-778-00	208	-
A51A-778-39	209	-

REF.	PAG.	ENERGY CLASS
A51B-778-39	209	-
A51C-778-00	209	-
A51D-778-00	209	-
A51E-778-39	209	-
A51F-778-39	209	-
A51G-778-03	209	-
A51H-778-03	209	-
A51I-778-00	209	-
A52A-778-39	210	-
A52B-778-39	210	-
A52C-778-00	210	-
A52D-778-00	210	-
A52E-778-39	210	-
A52F-778-39	210	-
A52G-778-03	210	-
A52H-778-03	210	-
A52I-778-00	210	-
B02A-X3317H-01	216	-
B02A-X3317J-01	216	-
B02A-X3320I-01	216	-
B02A-X33X2F-01	217	-
B02B-X3360B-01	216	-
B02B-X33A2B-01	216	-
B02B-X33A4B-01	216	-
B02C-X33A7D-02	216	-

REF.	PAG.	ENERGY CLASS
B02F-X33A8D-32	216	-
B02G-X3306J-01	216	-
B02I-X33F9D-02	216	-
B02I-X33G1D-02	216	-
B02J-X3350D-02	216	-
B02M-X33A5D-03	216	-
B02M-X33A9D-03	216	-
B02N-X3320M-01	216	-
B02O-X3340F-39	217	-
B02O-X3380F-39	217	-
B02O-X33A1F-39	217	-
B02O-X33A4F-39	217	-
B02Q-X3312F-01	217	-
B02Q-X3325F-01	217	-
B02R-X33A1F-01	217	-
B02V-X3335F-00	217	-
B02V-X3360F-00	217	-
B02V-X3396F-00	217	-
B02V-X33A4F-00	217	-
B02W-X3360F-00	217	-
B02X-X33J2F-00	206	-
B02Y-X3360F-00	217	-
B02Y-X33A1F-00	217	-
B02Y-X33A4F-00	217	-
B03A-X33X2A-02	214	-

REF.	PAG.	ENERGY CLASS
B03B-X33X2A-02	214	-
B03C-X33X2A-02	214	-
B03D-X33X2A-02	214	-
B04A-X33X2B-01	215	-
B04A-X33X2B-02	215	-
B04B-X33X2B-01	215	-
B04B-X33X2B-02	215	-
B05D-X33X2F-01	189	-
B05E-G33A7F-39	205	-
B05F-G33A9F-39	203	-
B05G-G33A8F-39	205	-
B05H-G33A7F-39	203	-
B05I-X33J3F-00	206	-

REF.	PAG.	ENERGY CLASS
B05J-X33J4F-00	207	-
B05K-X33J4F-00	207	-
B05L-X33X2E-00	206	-
B05M-X33X2F-00	206	-
B05N-X33X2X-00	207	-
C01A-11-01	194, 199	-
C01A-11-02	194, 199	-
C07A-11-02	194, 199	-
C07B-12-01	194, 199	-
C07B-12-02	194, 199	-
C07C-12-01	194	-
C07C-12-02	194	-

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