



Pila

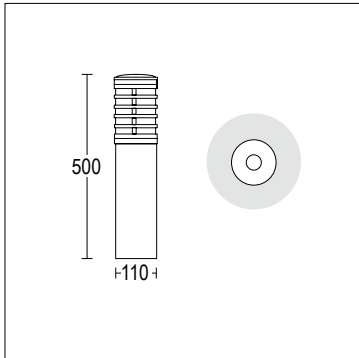
design: Livio Pasotti

Diffusore in policarbonato antiurto ad alta resistenza ai raggi UV con diffusione del fascio di 180° oppure di 360°. Viteria in acciaio inox.

Bollard for commercial and residential areas. Supplied in two heights : 50 cm and 80 cm. Possibilities to have the spread of the beam of 180° or of 360°. A wall-mounted version is available.



CERTIFICAZIONI <i>CERTIFICATION</i>	 
GRADO DI PROTEZIONE <i>IP / IK RATING</i>	IP 66 <i>IP 66</i>
CLASSE DI ISOLAMENTO <i>CLASSIFICATION</i>	classe I <i>class I</i> 
CORPO <i>BODY</i>	alluminio estruso EN AW-6060 T5 alta resistenza all' ossidazione <i>extruded aluminium EN AW-6060 T5 high resistance to oxidation</i>
PALO <i>POLE</i>	alluminio estruso EN AW-6060 T5 alta resistenza all' ossidazione <i>extruded aluminium EN AW-6060 T5 high resistance to oxidation</i>
DIFFUSORE <i>DIFFUSER</i>	policarbonato opale <i>opal polycarbonate</i>
RIFLETTORE <i>REFLECTOR</i>	Versione HIT - alluminio con deposizione in alto vuoto di alluminio purissimo 99,99% Versione Led - termoplastica con deposizione in alto vuoto ad alte efficienza <i>Led Version - high efficiency thermoplastic, with high vacuum deposit</i> <i>HIT - version - 99.99% pure aluminium high vacuum deposit</i>
VITERIA ESTERNA <i>EXTERNAL FIXINGS</i>	inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione <i>stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution.</i> <i>The treatment ensures easy opening of the product for maintenance</i>
GUARNIZIONI <i>SEALING GASKET</i>	EPDM <i>EPDM</i>
LAMPADINA <i>LAMP</i>	esclusa <i>not included</i>
FINITURA <i>FINISH</i>	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione <i>powder coating polyester high resistance to UV and oxidation</i>



IP66

IK09

codice colori

colour codes

.05

grigio antracite

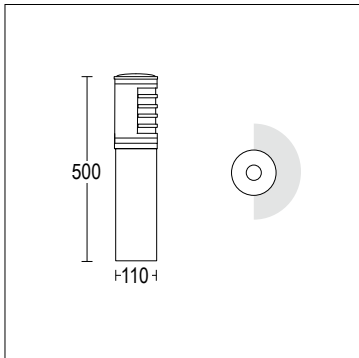
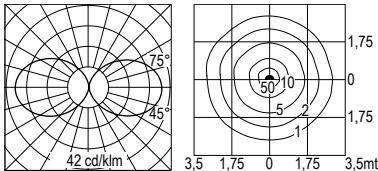
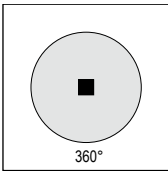
anthracite grey

.13

grigio chiaro

light grey

1732.85F.O.-- 24/32/42 W TC-TE
G24q-3/4 1800 / 2400 / 3200 lm
230 V 50 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



IP66

IK09

codice colori

colour codes

.05

grigio antracite

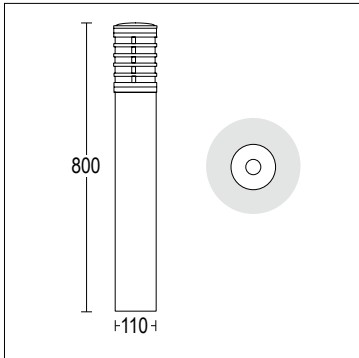
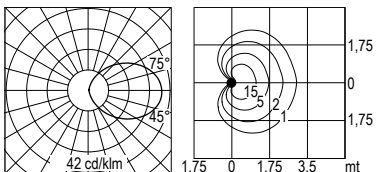
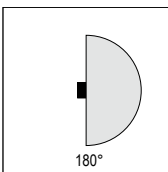
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.13

grigio chiaro

light grey

1733.85F.O.-- 24/32/42 W TC-TE
G24q-3/4 1800 / 2400 / 3200 lm
230 V 50 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



IP66

IK09

codice colori

colour codes

.05

grigio antracite

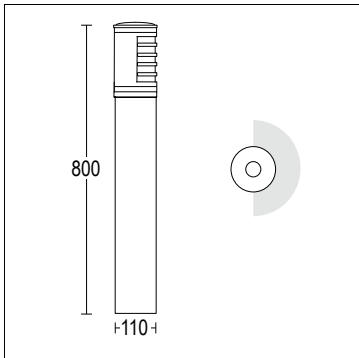
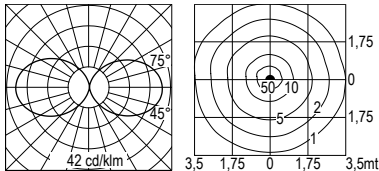
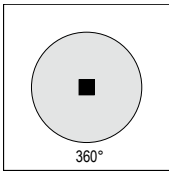
anthracite grey

.13

grigio chiaro

light grey

1734.85F.O.-- 24/32/42 W TC-TE
G24q-3/4 1800 / 2400 / 3200 lm
230 V 50 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



IP66

IK09

codice colori

colour codes

.05

grigio antracite

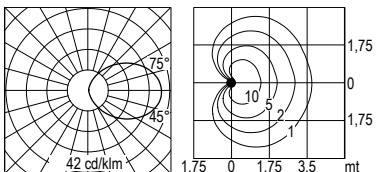
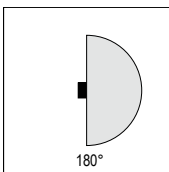
anthracite grey

.13

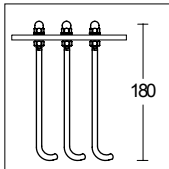
grigio chiaro

light grey

1735.85F.O.-- 24/32/42 W TC-TE
G24q-3/4 1800 / 2400 / 3200 lm
230 V 50 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



Accessori
Accessories



797
Base di ancoraggio da cementare
Plated steel anchorage for concreting

Polbivio



La linea POLBIVIO è ideale per illuminare spazi aperti, camminamenti e piste ciclabili sia in aree residenziali che pubbliche. La possibilità di avere l'apparecchio dotato di una finestra fino a quattro finestre rende molto flessibile il suo utilizzo. Si rifà a una linea già presente nel catalogo Ghidini ed è quindi adatto per essere affiancato agli stessi apparecchi della famiglia in un'unica realizzazione: Bivio e Bivio soffitto. Questo palo in alluminio estruso EN AW 6060 con elevata resistenza all'ossidazione e IP 65 è dotato di vetro piano, consente l'impiego di lampade a ioduri metallici, fluorescenti ed alogene in base alle esigenze di utilizzo. L'utilizzo di lampade fluorescenti e a ioduri metallici permette di avere un ottimo risparmio energetico, mentre l'elettrificazione alogena garantisce un'accensione rapida.

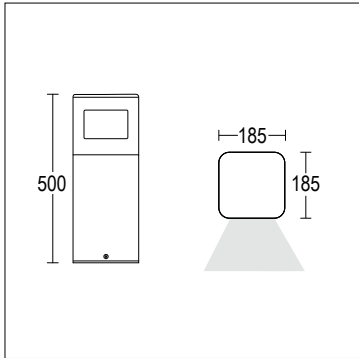
The POLBIVIO line is ideal for illuminating open spaces, walkways and cycle paths both in residential and public areas. The possibility of fitting the appliance with from one to four lenses makes it very flexible. It complements lines already present in the Ghidini catalogue and is therefore suitable to be installed alongside appliances in the same family in a single realisation: Bivo and Ceiling Bivio. This column in EN AW 6060 die extruded aluminium with high resistance to oxidation and IP 65 is fitted with flat glass for use with metal halide, fluorescent and halogen lamps depending on needs. The use of metal halide and fluorescent lamps gives excellent energy saving, while halogen lamps ensure immediate start up and an optimum light quality performance.



p. 220

CERTIFICAZIONI CERTIFICATION		 
		versioni led disponibili: 3000 K / 4000 K <i>LEDs available: 3000 K / 4000 K</i>
GRADO DI PROTEZIONE <i>IP / IK RATING</i>	IP 65 / IK06 <i>IP 65 / IK06</i>	
CLASSE DI ISOLAMENTO <i>CLASSIFICATION</i>	classe I <i>class I</i> 	
PALO <i>BODY</i>	alluminio estruso EN AW 6060 alta resistenza all' ossidazione <i>extruded aluminium EN AW 6060 high resistance to oxidation</i>	
CORPO <i>BODY</i>	alluminio fuso EN AB 44100 alta resistenza all' ossidazione <i>cast aluminium EN AB 44100 high resistance to oxidation</i>	
DIFFUSORE <i>DIFFUSER</i>	vetro sodico calcico temprato 3 mm <i>soda-lime tempered glass 3 mm</i>	
VITERIA ESTERNA <i>EXTERNAL FIXINGS</i>	inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione <i>stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance</i>	
GUARNIZIONI <i>SEALING GASKET</i>	silicone ricotto <i>silicone</i>	
ENTRATA CAVO <i>CABLE ENTRY</i>	pressacavo in EPDM privo di Alogeni Ø 8/12 mm <i>cable gland EPDM free of halogens Ø 8/12 mm</i>	
SECONDA ENTRATA CAVO <i>SECOND CABLE ENTRY</i>	disponibile <i>available</i>	
LAMPADINA <i>LAMP</i>	Esclusa (Led incluso) <i>not included (Led integral)</i>	
FINITURA <i>FINISH</i>	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione <i>powder coating polyester high resistance to UV and oxidation</i>	

Polbivio 500



IP65

IK06

codice colori

colour codes

.05

grigio antracite

anthracite grey

.13

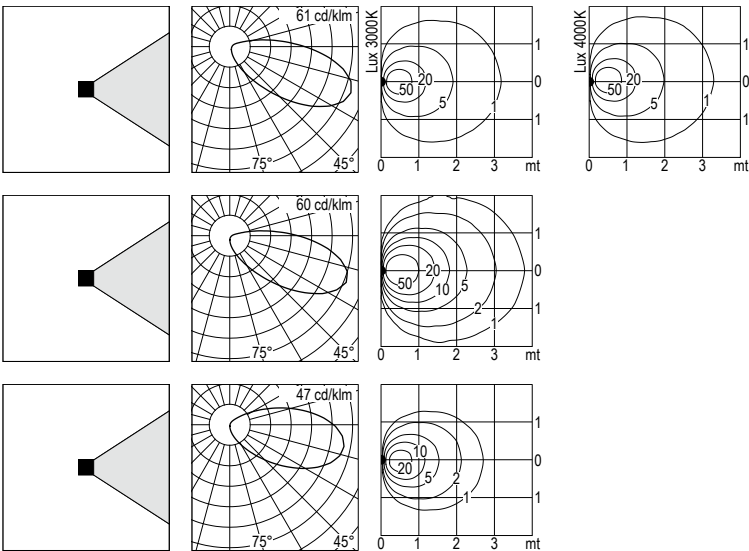
grigio chiaro

light grey

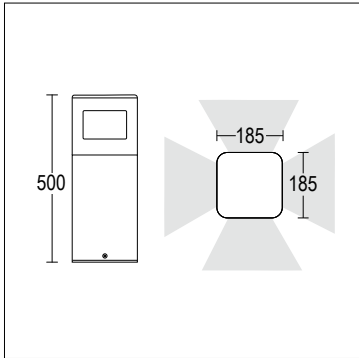
1349.DGX.A.-- 17 W 1 Led 3000 K 2009 lm
1349.DHX.A.-- 17 W 1 Led 4000 K 2098 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore incluso *led driver integral*

1349.L7X.A.-- 35 W HIT-TC G8,5 3300 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral

1349.G1F.A.-- 18 W TC-TE Gx24q-2 1200 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



Polbivio 500



IP65

IK06

codice colori

colour codes

.05

grigio antracite

anthracite grey

.13

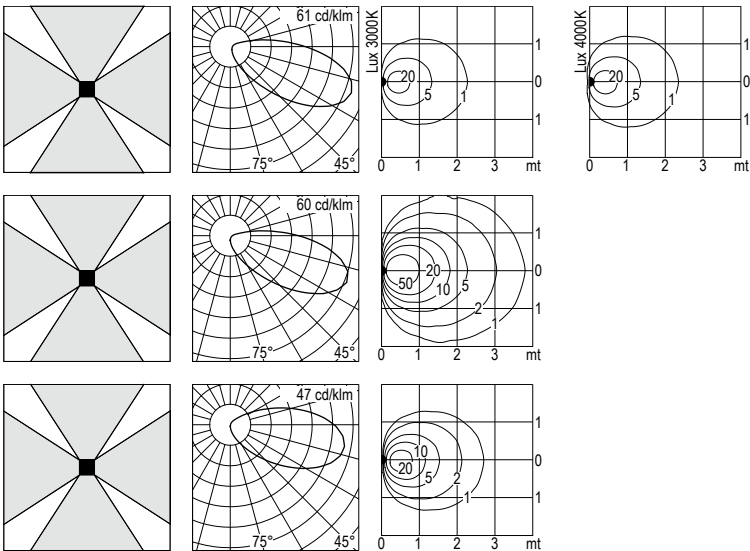
grigio chiaro

light grey

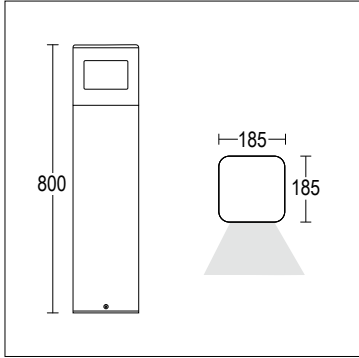
1352.CGX.A.-- 26 W 1 Led 3000 K 2760 lm
1352.CHX.A.-- 26 W 1 Led 4000 K 2880 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore incluso *led driver integral*

1352.L7X.A.-- 35 W HIT-TC G8,5 3300 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral

1352.G1F.A.-- 18 W TC-TE Gx24q-2 1200 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore elettronico incluso
electronic ballast integral



Polbivio 800



IP65

IK06

codice colori

colour codes

.05

grigio antracite

anthracite grey

.13

grigio chiaro

light grey

1353.DGX.A.--

17 W 1 Led 3000 K 2009 lm

1353.DHX.A.--

17 W 1 Led 4000 K 2098 lm

220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore incluso *led driver integral*

1353.L7X.A.--

35 W HIT-TC G8,5 3300 lm

220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore elettronico incluso

electronic ballast integral

1353.G1F.A.--

18 W TC-TE Gx24q-2 1200 lm

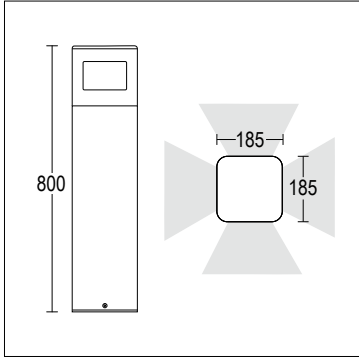
220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore elettronico incluso

electronic ballast integral

Polbivio 800



IP65

IK06

codice colori

colour codes

.05

grigio antracite

anthracite grey

.13

grigio chiaro

light grey

1356.CGX.A.--

26 W 1 Led 3000 K 2760 lm

1356.CHX.A.--

26 W 1 Led 4000 K 2880 lm

220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore incluso *led driver integral*

1356.L7X.A.--

35 W HIT-TC G8,5 3300 lm

220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore elettronico incluso

electronic ballast integral

1356.G1F.A.--

18 W TC-TE Gx24q-2 1200 lm

220-240 V 50/60 HZ

vetro acidato *acid etched diffuser*

alimentatore elettronico incluso

electronic ballast integral

Accessori

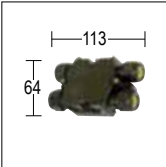
Accessories



276

Connettore rapido IP 68

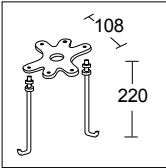
IP 68 fast connector



279

Connettore per cablaggio in cascata IP 68

IP 68 connector for through wiring



123

Base di ancoraggio + tiranti da cementare

Plated steel anchorage for concreting

306 | www.ghidini.it

www.ghidini.it | 307

Bollard realizzato in alluminio estruso con corpo in alluminio pressofuso EN AB 44100 ad alta resistenza all'ossidazione. Diffusore in vetro temprato trasparente ad alta resistenza agli urti. Adatto ad illuminare percorsi, camminamenti e aree verdi.

Bollard in extruded aluminium with body in die cast EN AB 44100 aluminium which is highly resistant to oxidation. Tempered transparent glass diffuser is shock resistant. For use in pathways and landscaped areas.



p. 116



CERTIFICAZIONI
CERTIFICATION



versioni led disponibili: 3000 K / 4000 K
LEDs available: 3000 K / 4000 K

GRADO DI PROTEZIONE
IP / IK RATING

IP 65
IP 65

CLASSE DI ISOLAMENTO
CLASSIFICATION

classe I
class I

CORPO
BODY

alluminio pressofuso EN AB 44100 alta resistenza all' ossidazione
die-cast aluminium EN AB 44100 high resistance to oxidation

PALO
POST

alluminio estruso EN AW 6060 alta resistenza all' ossidazione
extruded aluminium EN AW 6060 high resistance to oxidation

DIFFUSORE
DIFFUSER

vetro sodico calcico temprato 3 mm
soda-lime tempered glass 3 mm

VITERIA ESTERNA

EXTERNAL FIXINGS

inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione
stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance

GUARNIZIONI
SEALING GASKET

silicone ricotto
silicone

ENTRATA CAVO
CABLE ENTRY

passcavo in silicone Ø 10/14 mm H07RN-F
silicone cable gland Ø 10/14 mm H07RN-F

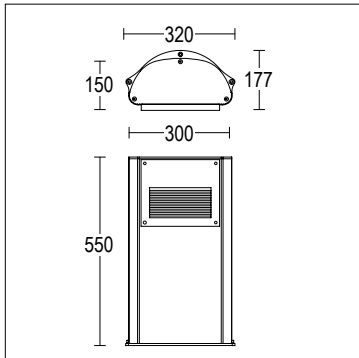
LAMPADINA
LAMP

Esclusa (Led incluso)
not included (Led integral)

FINITURA
FINISH

verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione
powder coating polyester high resistance to UV and oxidation

Polverso

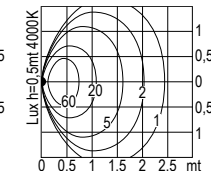
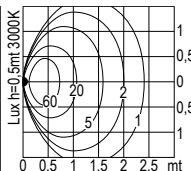
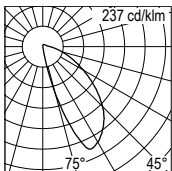
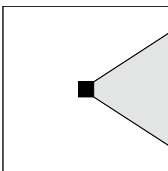


IP65

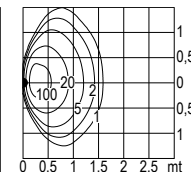
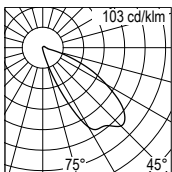
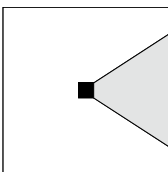
codice colori
colour codes
■ .05 grigio antracite
 anthracite grey
■ .13 grigio chiaro
 light grey



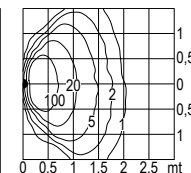
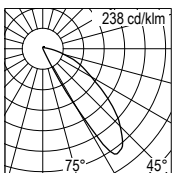
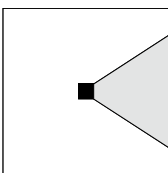
5407.ERX.P-- 13 W 2 Led 3000 K 1098 lm
5407.ESX.P-- 13 W 2 Led 4000 K 1152 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



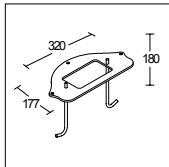
5407.94F.P-- 18W TC-DE G24q-2 1200 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore elettronico incluso
electronic ballast integral



5407.E9F.P-- 20W HIT G8,5 1700 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore elettronico incluso
electronic ballast integral



Accessori Accessories



680

Base di ancoraggio + tiranti da cementare
Plated steel anchorage for concreting







La linea POLVERTI è un bollard caratterizzato da un fascio luminoso, asimmetrico, verso il basso con sistema antiabbagliamento ideale per illuminare spazi aperti, camminamenti e viali sia in aree residenziali che pubbliche. Si rifà alla linea Verso già presente nel catalogo Ghidini con diverse versioni (Verso, Vertiverso, LongVerso e MiniVerso) ed è quindi adatta per essere affiancata agli stessi apparecchi della famiglia in un'unica realizzazione. Questo elemento è realizzato in alluminio pressofuso EN AB 44100 con elevata resistenza all'ossidazione e IP65, consente l'impiego di lampade a ioduri metallici, fluorescenti e led in base alle esigenze di utilizzo ma garantendo sempre un buon risparmio energetico.

The POLVERTI series is a bollard with a no-glare downward light beam ideal for illuminating open spaces, pathways and driveways in residential and public areas. Based on the Verso line with a variety of models (Verso, Vertiverso, LongVerso and MiniVerso), it can be installed alongside the same fixtures to ensure visual integrity. This item is made of EN AB 44100 die-cast aluminium ,IP65 , with high resistance to oxidation. Metal halide, fluorescent lamp or LEDs may be used for various applications and to provide energy saving solutions.



p. 117



CERTIFICAZIONI
CERTIFICATION



versioni led disponibili: 3000 K / 4000 K
LEDs available: 3000 K / 4000 K

GRADO DI PROTEZIONE
IP / IK RATING

IP 65
IP 65

CLASSE DI ISOLAMENTO
CLASSIFICATION

classe I
class I

PALO
BODY

alluminio estruso EN AW 6060 alta resistenza all' ossidazione
extruded aluminium EN AW 6060 high resistance to oxidation

CORPO
BODY

alluminio fuso EN AC 44100 alta resistenza all' ossidazione
cast aluminium EN AC 44100 high resistance to oxidation

DIFFUSORE
DIFFUSER

vetro sodico calcico temprato 3 mm
soda-lime tempered glass 3 mm

VITERIA ESTERNA

EXTERNAL FIXINGS

inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione
stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance

GUARNIZIONI
SEALING GASKET

silicone ricotto
silicone

ENTRATA CAVO
CABLE ENTRY

pressacavo in EPDM privo di Alogeni Ø 8/12 mm
cable gland EPDM free of halogens Ø 8/12 mm

SECONDA ENTRATA CAVO
SECOND CABLE ENTRY

disponibile
available

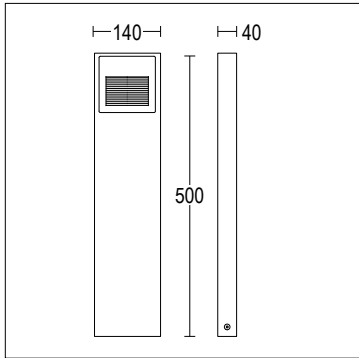
LAMPADINA
LAMP

Esclusa (Led incluso)
not included (Led integral)

FINITURA
FINISH

verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione
powder coating polyester high resistance to UV and oxidation

Polverti flat



IP65

codice colori

colour codes

.05

grigio antracite

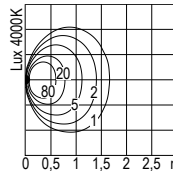
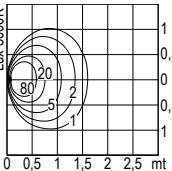
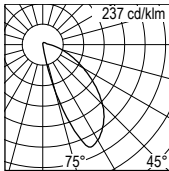
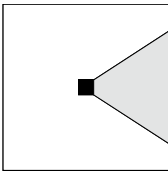
anthracite grey

.13

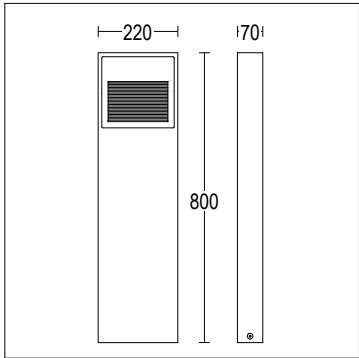
grigio chiaro

light grey

1139.ETX.P-- 5 W 1 Led 3000 K 411 lm
1139.EVX.P-- 5 W 1 Led 4000 K 432 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



Polverso flat



IP65

codice colori

colour codes

.05

grigio antracite

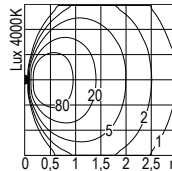
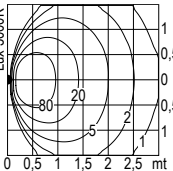
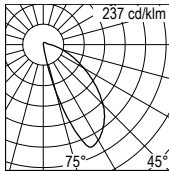
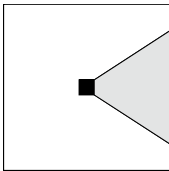
anthracite grey

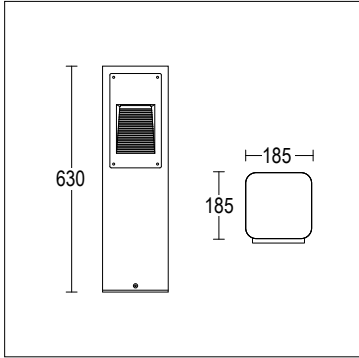
.13

grigio chiaro

light grey

1140.FGX.P-- 19 W 3 Led 3000 K 1647 lm
1140.FHX.P-- 19 W 3 Led 4000 K 1728 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*





IP66

IK09



codice colori
colour codes

.05

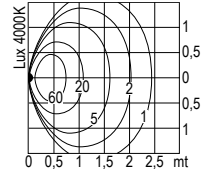
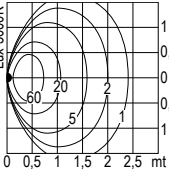
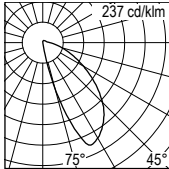
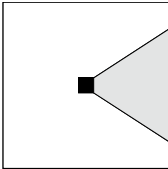
grigio antracite
anthracite grey

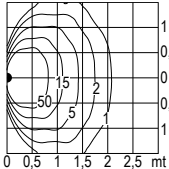
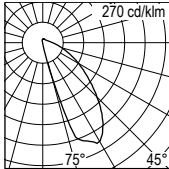
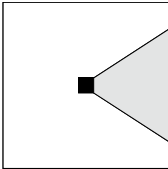
.13

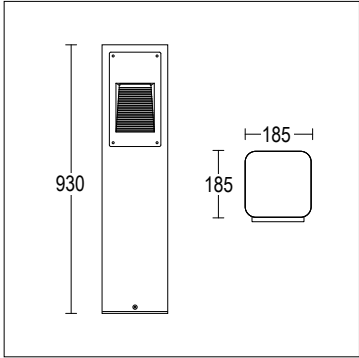
grigio chiaro
light grey

5413.ERX.P.-- 13 W 1 Led 3000 K 1098 lm
5413.ESX.P.-- 13 W 1 Led 4000 K 1152 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*

5413.L2F.P.-- 20W HCI-TF GU6,5 1700 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore elettronico incluso
electronic ballast integral







IP66

IK09



codice colori
colour codes

.05

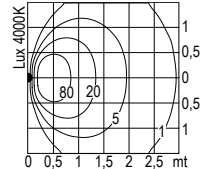
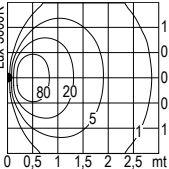
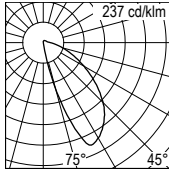
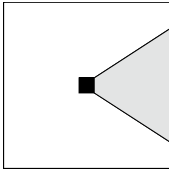
grigio antracite
anthracite grey

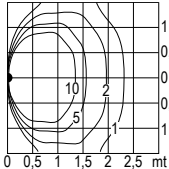
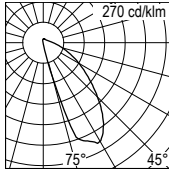
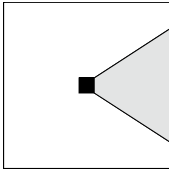
.13

grigio chiaro
light grey

5414.ERX.P.-- 13 W 1 Led 3000 K 1098 lm
5414.ESX.P.-- 13 W 1 Led 4000 K 1152 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*

5414.L2F.P.-- 20W HCI-TF GU6,5 1700 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore elettronico incluso
electronic ballast integral

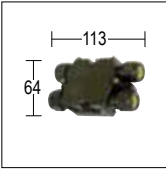




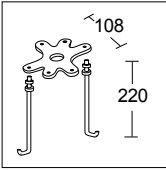
Accessori
Accessories



276
Connettore rapido IP 68
IP 68 fast connector



279
Connettore per cablaggio in cascata IP 68
IP 68 connector for through wiring



123
Base di ancoraggio + tiranti da cementare
Plated steel anchorage for concreting

Polmargin



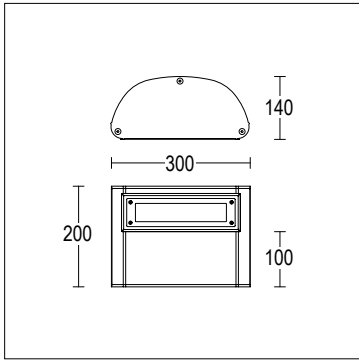
Bollard realizzato in alluminio estruso con corpo in alluminio pressofuso EN AB 44100 ad alta resistenza all'ossidazione. Diffusore in vetro temprato trasparente ad alta resistenza agli urti. Adatto ad illuminare percorsi, camminamenti e aree verdi.

Bollard in extruded aluminium with body in die cast EN AB 44100 aluminium which is highly resistant to oxidation. Tempered transparent glass diffuser is shock resistant. For use in driveways , pathways and landscaped areas.



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CERTIFICAZIONI CERTIFICATION	 
	versioni led disponibili: 3000 K / 4000 K LEDs available: 3000 K / 4000 K
GRADO DI PROTEZIONE IP / IK RATING	IP 65 IP 65
CLASSE DI ISOLAMENTO CLASSIFICATION	classe I 
CORPO BODY	alluminio pressofuso EN AB 44100 alta resistenza all' ossidazione die-cast aluminium EN AB 44100 high resistance to oxidation
PALO POLE	alluminio estruso EN AW 6060 alta resistenza all' ossidazione extruded aluminium EN AW 6060 high resistance to oxidation
DIFFUSORE DIFFUSER	vetro sodico calcico temprato 4 mm soda-lime tempered glass 4 mm
VITERIA ESTERNA EXTERNAL FIXINGS	inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance
GUARNIZIONI SEALING GASKET	silicone ricotto silicone
ENTRATA CAVO CABLE ENTRY	passcavo in silicone Ø 10/14 mm H07RN-F silicone cable gland Ø 10/14 mm H07RN-F
LAMPADINA LAMP	Esclusa (Led incluso) not included (Led integral)
FINITURA FINISH	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione powder coating polyester high resistance to UV and oxidation



IP65

codice colori
colour codes

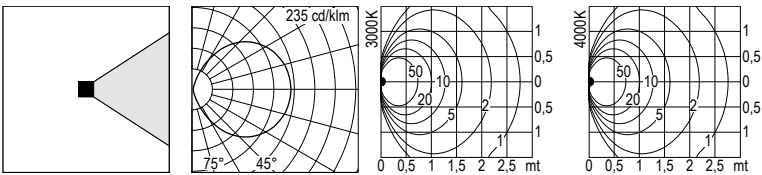
.05

grigio antracite
anthracite grey

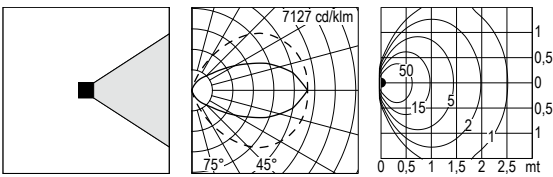
.13

grigio chiaro
light grey

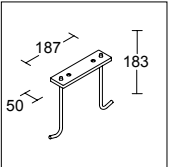
6509.FSX.A-- 6,2 W Led 3000 K 820 lm
6509.FTX.A-- 6,2 W Led 4000 K 840 lm
220-240 V 50/60 HZ
vetro acidato *acid etched diffuser*
alimentatore incluso *led driver integral*



6509.74FA.-- 18W TC-D G24d-2 1200 lm
230 V 50 HZ
vetro acidato *acid etched diffuser*
alimentatore ferromagnetico incluso
conventional ballast integral



Accessori
Accessories



681
Base di ancoraggio + tiranti da cementare
Plated steel anchorage for concreting



Tret

design: arch. Margarita Kroucharska



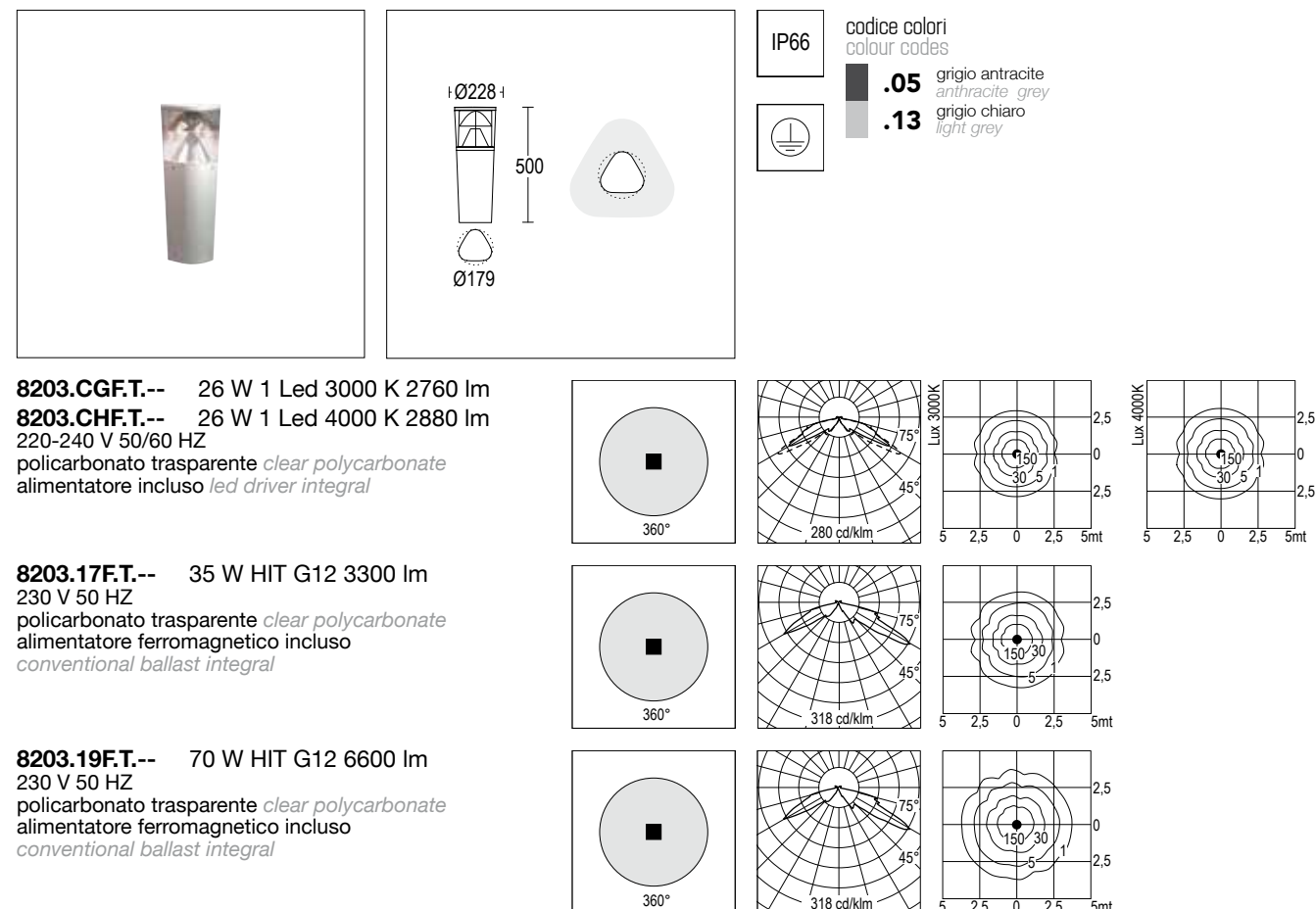
photo: Germano Borrelli

La linea di bollard TRET è ideale per illuminare piste ciclabili, parchi e percorsi pedonali, sia in aree residenziali che pubbliche. Disegnato dall' arch. Margarita Kroucharska è caratterizzato da forme pulite ed innovative. E' realizzato da elementi in alluminio a basso contenuto di rame per un' elevata resistenza all'ossidazione, verniciato in polveri poliestere con trattamento anti corrosione, con diffusore in policarbonato antivandalico trasparente e viteria in acciaio inox A4-70. Disponibile in 5 altezze: 500 mm, 800 mm, 1.100 mm ed il modello alto TRET UP da 2.400 mm e da 3900 mm. La gamma è arricchita dai nuovi modelli HIGH PERFORMANCE e CUTOFF nati per rispondere alle sempre più esigenti richieste del mercato. TRET HIGH PERFORMANCE con riflettore in alluminio puro al 99,98%, a doppia riflessione con finitura speculare per ottenere il massimo rendimento luminoso ed un' ottima diffusione della luce. TRET CUTOFF con paraluce e frangiluce a 45° verniciati neri 5 gloss a bassa riflettanza per ottemperare alle più restrittive norme regionali contro l' inquinamento luminoso.

TRET family has been conceived for use pathways, parks and gardens, both in public and residential areas. It is made of die-cast aluminium high resistance to oxidation , with vandal proof polycarbonate diffuser and A4-70 stainless steel fixings. The TRET range is very broad. Five heights available : 500mm, 800mm ,1100 mm together with model TRET UP 2400mm and 3900mm. Two optics are offered to maximize flexibility: high performance optic obtaining very powerfull lighting output and cut-off optic to fulfill the most strict regulations relative to indirect light emission.

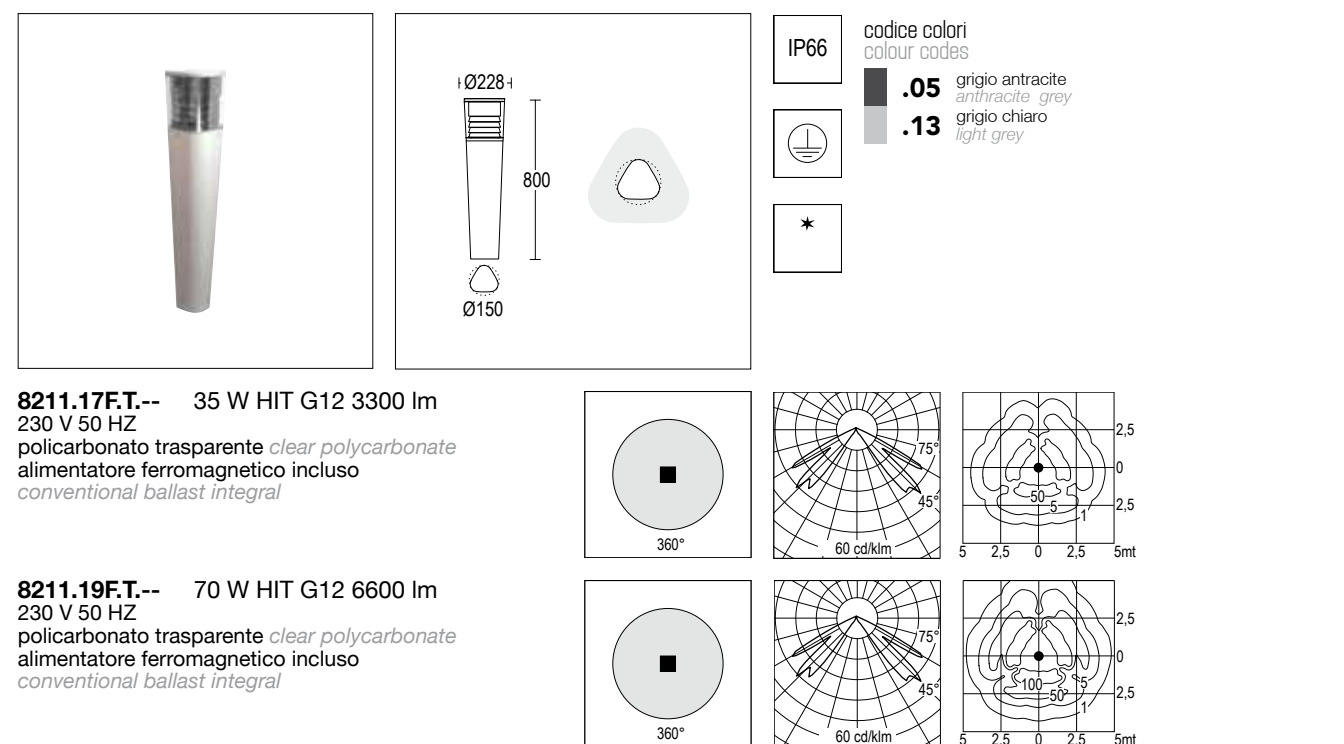
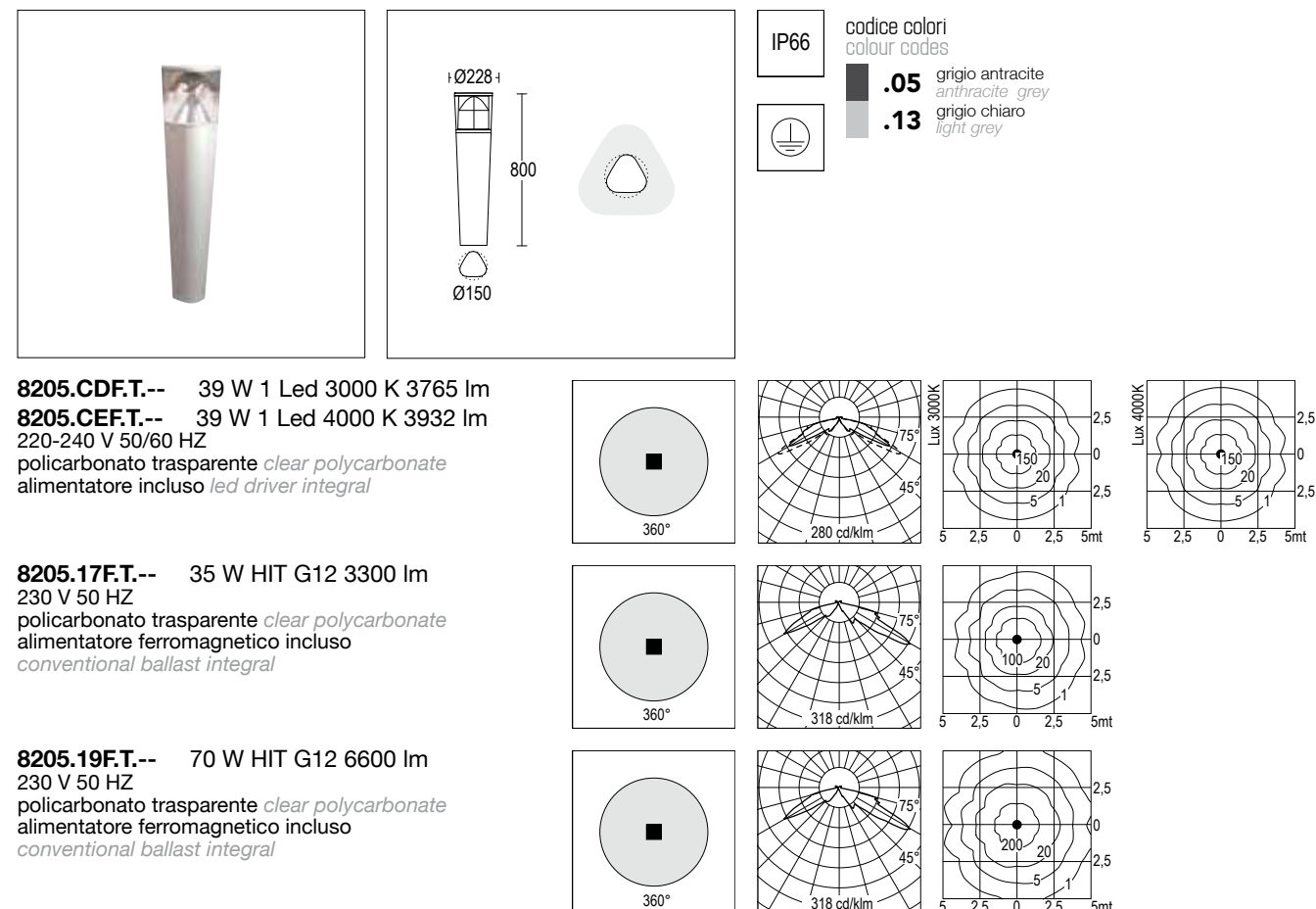
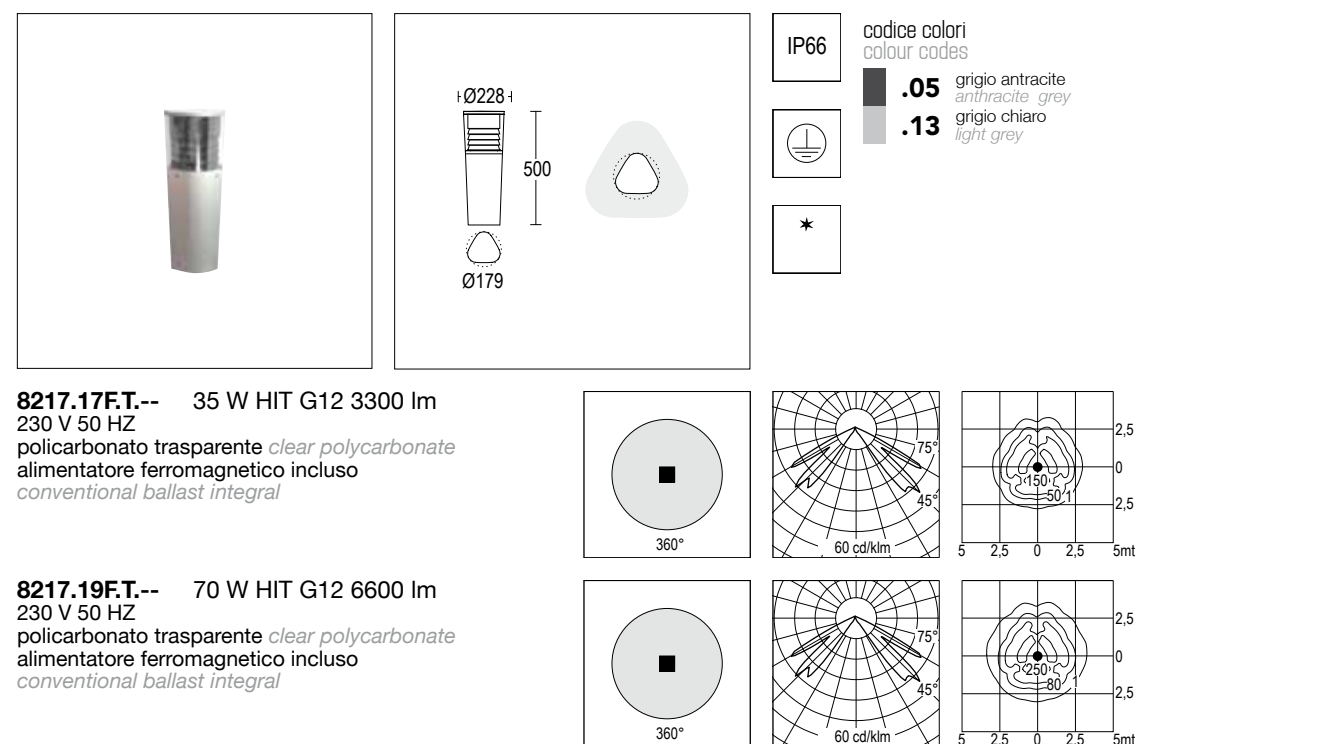


CERTIFICAZIONI CERTIFICATION		 
		versioni led disponibili: 3000 K / 4000 K <i>LEDs available: 3000 K / 4000 K</i>
GRADO DI PROTEZIONE <i>IP / IK RATING</i>	IP 65 <i>IP 65</i>	
CLASSE DI ISOLAMENTO <i>CLASSIFICATION</i>	classe I 	
CORPO <i>BODY</i>	alluminio pressofuso EN AB 44100 alta resistenza all' ossidazione <i>die-cast aluminium EN AB 44100 high resistance to oxidation</i>	
PALO <i>POLE</i>	alluminio fuso EN AC 44200 alta resistenza all' ossidazione <i>cast aluminium EN AC 44200 high resistance to oxidation</i>	
DIFFUSORE <i>DIFFUSER</i>	policarbonato trasparente resistente all'urto e ai raggi UV <i>vandal proof clear polycarbonate UV resistant</i>	
VITERIA ESTERNA <i>EXTERNAL FIXINGS</i>	inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione <i>stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance</i>	
GUARNIZIONI <i>SEALING GASKET</i>	silicone ricotto <i>silicone</i>	
ENTRATA CAVO <i>CABLE ENTRY</i>	passacavo in silicone Ø 10/14 mm <i>silicone bushing Ø 10/14 mm</i>	
LAMPADINA <i>LAMP</i>	Esclusa (Led incluso) <i>not included (Led integral)</i>	
FINITURA <i>FINISH</i>	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione <i>powder coating polyester high resistance to UV and oxidation</i>	

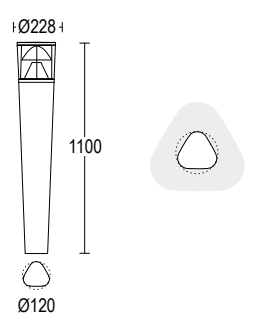


8203.17F.T-- 35 W HIT G12 3300 lm
230 V 50 HZ
policarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

8203.19F.T-- 70 W HIT G12 6600 lm
230 V 50 HZ
policarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral







IP66

codice colori

colour codes

.05

.13

grigio antracite

anthracite grey

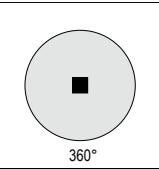
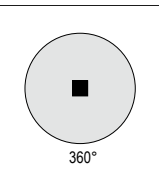
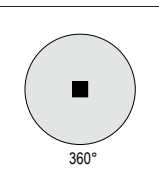
grigio chiaro

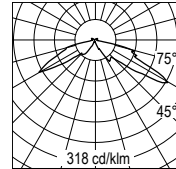
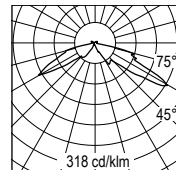
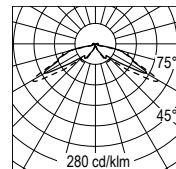
light grey

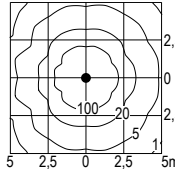
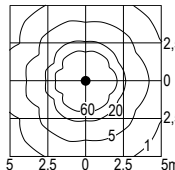
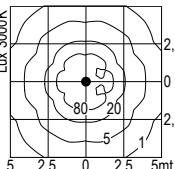
8207.CDF.T.-- 39 W 1 Led 3000 K 3765 lm
8207.CEF.T.-- 39 W 1 Led 4000 K 3932 lm
220-240 V 50/60 HZ
polycarbonato trasparente *clear polycarbonate*
alimentatore incluso *led driver integral*

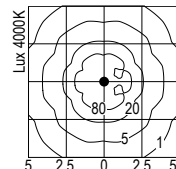
8207.17F.T.-- 35 W HIT G12 3300 lm
230 V 50 HZ
polycarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

8207.19F.T.-- 70 W HIT G12 6600 lm
230 V 50 HZ
polycarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

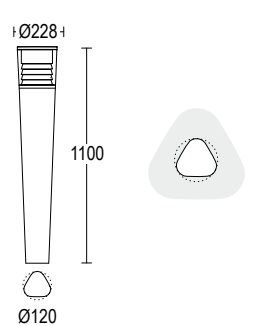












IP66

codice colori

colour codes

.05

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grigio antracite

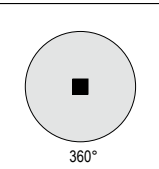
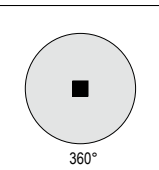
anthracite grey

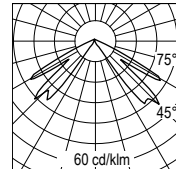
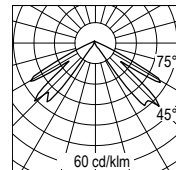
grigio chiaro

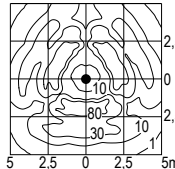
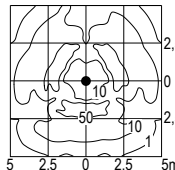
light grey

8213.17F.T.-- 35 W HIT G12 3300 lm
230 V 50 HZ
polycarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

8213.19F.T.-- 70 W HIT G12 6600 lm
230 V 50 HZ
polycarbonato trasparente *clear polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral





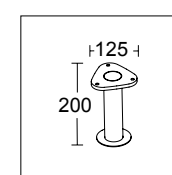




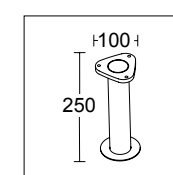


Accessori

Accessories



121
Base di ancoraggio da cementare
per cod. 8203 / 8217 / 8205 / 8211
*Plated steel anchorage for concreting
only for cod. 8203 / 8217 / 8205 / 8211*



120
Base di ancoraggio da cementare
per cod. 8207 / 8213
*Plated steel anchorage for concreting
only for cod. 8207 / 8213*

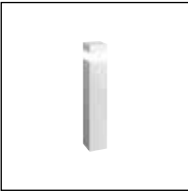


photo: Germano Borrelli



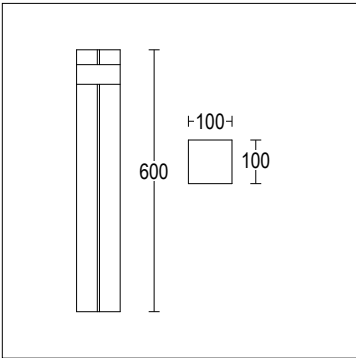
Bollard realizzato in alluminio estruso ad alta resistenza all'ossidazione. Diffusore in policarbonato trasparente ad alta resistenza agli urti e raggi UV. Adatto ad illuminare percorsi, camminamenti e aree verdi.

Bollard in extruded aluminium which is highly resistant to oxidation. polycarbonate diffuser is shock and UV rays resistant. For use in driveways , pathways and landscaped areas.



CERTIFICAZIONI CERTIFICATION	 
GRADO DI PROTEZIONE IP / IK RATING	IP 65 IP 65
CLASSE DI ISOLAMENTO CLASSIFICATION	classe I 
CORPO BODY	alluminio estruso EN AW-6060 T5 alta resistenza all' ossidazione extruded aluminium EN AW-6060 T5 high resistance to oxidation
PALO POLE	alluminio estruso EN AW-6060 T5 alta resistenza all' ossidazione extruded aluminium EN AW-6060 T5 high resistance to oxidation
DIFFUSORE DIFFUSER	policarbonato trasparente clear polycarbonate
RIFLETTORE REFLECTOR	Versione HIT - alluminio con deposizione in alto vuoto di alluminio purissimo 99,99% Versione Led - termoplastica con deposizione in alto vuoto ad alte efficienza Led Version - high efficiency thermoplastic, with high vacuum deposit HIT - version - 99.99% pure aluminium high vacuum deposit
VITERIA ESTERNA EXTERNAL FIXINGS	inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance
GUARNIZIONI SEALING GASKET	EPDM EPDM
LAMPADINA LAMP	esclusa not included
FINITURA FINISH	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione powder coating polyester high resistance to UV and oxidation

Quadro 1



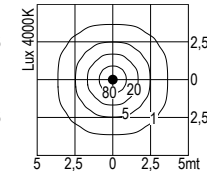
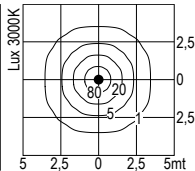
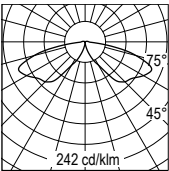
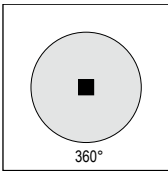
IP65

codice colori
colour codes

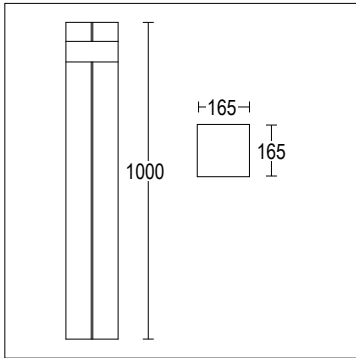
.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey



1370.BRX.P.-- 13 W 1 Led 3000 K 903 lm
1370.BSX.P.-- 13 W 1 Led 4000 K 960 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



Quadro 2



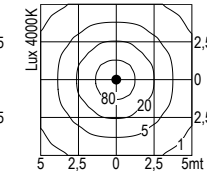
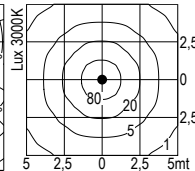
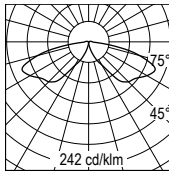
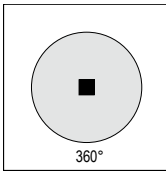
IP65

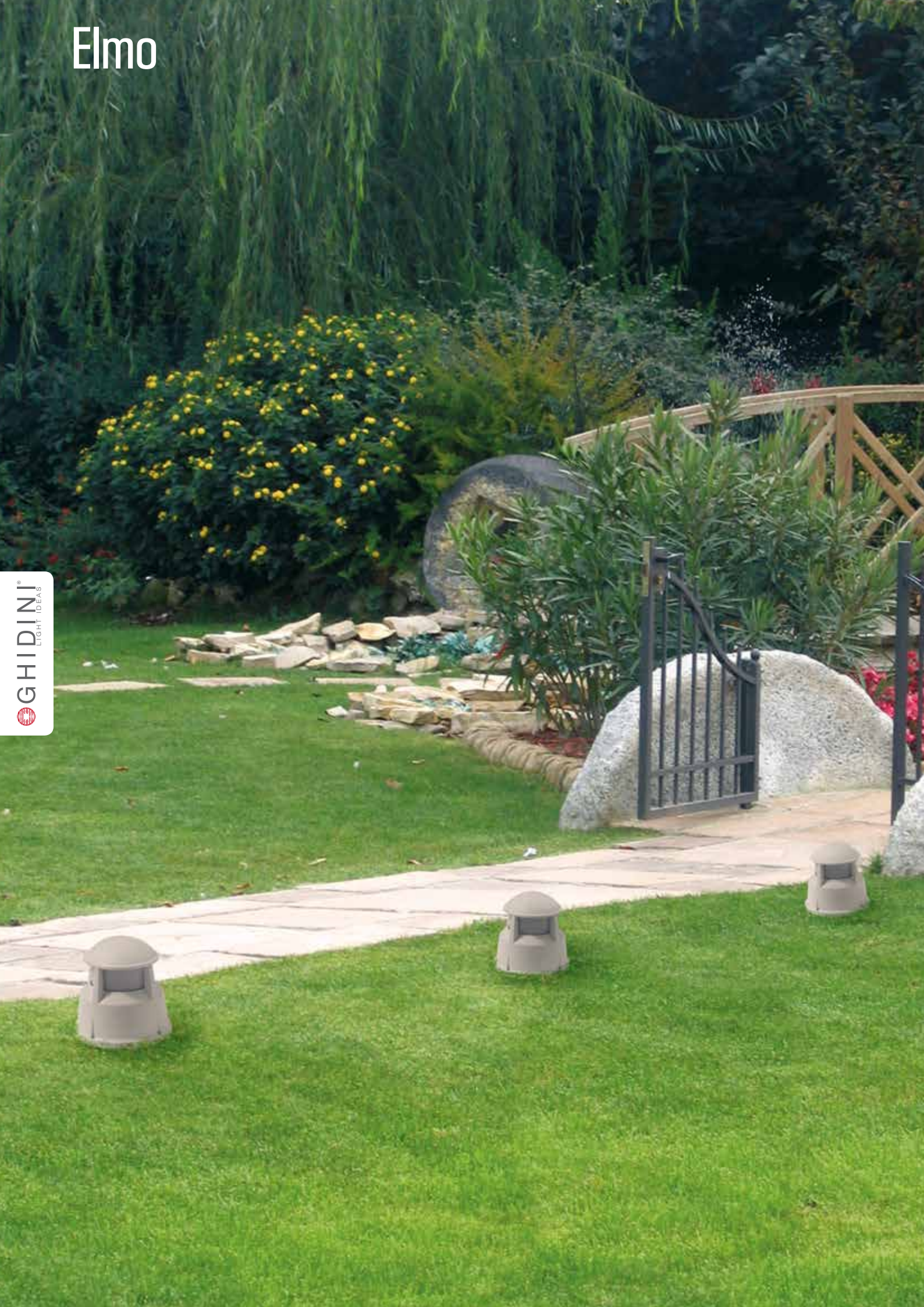
codice colori
colour codes

.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey



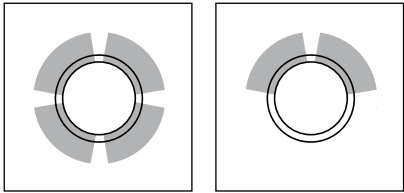
1371.HEX.P.-- 24 W 1 Led 3000 K 2162 lm
1371.HFX.P.-- 24 W 1 Led 4000 K 2303 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*





La linea ELMO è ideale per illuminare spazi aperti, camminamenti e piste ciclabili sia in aree residenziali che pubbliche. La possibilità di avere l'apparecchio con emissione di 360° e 180° rende flessibile il suo utilizzo. Le due versioni sono esteticamente identiche (la schermatura rimane all'interno del diffusore) rendendo più facile il loro posizionamento. Questo prodotto è realizzato in alluminio pressofuso con elevata resistenza all'ossidazione e IP 65, consente l'impiego di lampade a ioduri metallici, fluorescenti ed alogene in base alle esigenze di utilizzo. L'utilizzo di lampade fluorescenti e a ioduri metallici permette di avere un ottimo risparmio energetico, mentre l'elettrificazione alogena garantisce un'accensione rapida e un'ottima resa luminosa adatta in luoghi di passaggio.

The ELMO line is ideal for illuminating open spaces, pathways and cycle tracks both in residential and public areas. The possibility of having an appliance with 360° and 180° emission makes it very flexible. The two versions are aesthetically identical (the screening is inside the diffuser) making their positioning very straightforward. This product is made in die cast aluminium with high resistance to oxidation and IP 65 for use with metal halide, fluorescent and halogen lamps depending on applications. The use of metal halide and fluorescent lamps gives excellent energy saving, while halogen lamps ensure rapid start up and an optimum light performance suitable for passageways.



CERTIFICAZIONI
CERTIFICATION



versioni led disponibili: 3000 K / 4000 K
LEDs available: 3000 K / 4000 K

GRADO DI PROTEZIONE
IP / IK RATING

IP 66 / IK09
IP 66 / IK09

CLASSE DI ISOLAMENTO
CLASSIFICATION

classe I
class I

CORPO
BODY

alluminio fuso EN AB 44100 alta resistenza all'ossidazione
cast aluminium EN AB 44100 high resistance to oxidation

DIFFUSORE
DIFFUSER

vetro sodico calcico temprato 3 mm
soda-lime tempered glass 3 mm

VITERIA ESTERNA
EXTERNAL FIXINGS

inox A4-70 trattata in soluzione lubrificante idrorepellente con alto potere antiossidante. Il trattamento assicura la facile apertura del prodotto durante la manutenzione.
stainless steel A4-70 treated with highly antioxidant water-repellent lubricating solution. The treatment ensures easy opening of the product for maintenance

GUARNIZIONI
SEALING GASKET

silicone ricotto
silicone

ENTRATA CAVO
CABLE ENTRY

doppio pressacavo M20 Ø 7/13 mm
double cable gland M20 Ø 7/13 mm

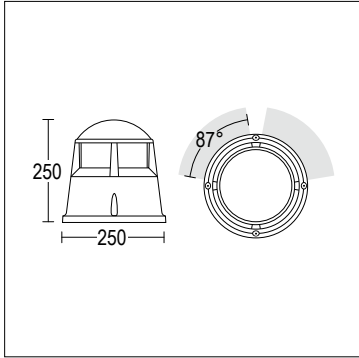
LAMPADINA
LAMP

Esclusa (Led incluso)
not included (Led integral)

FINITURA
FINISH

verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione
powder coating polyester high resistance to UV and oxidation

Elmo 180



IP66

IK09



codice colori
colour codes

.05

grigio antracite
anthracite grey

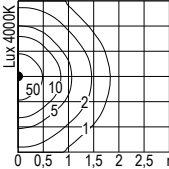
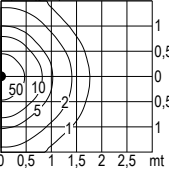
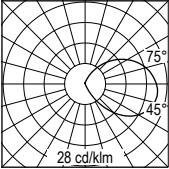
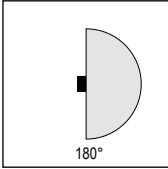
.13

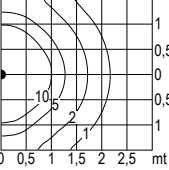
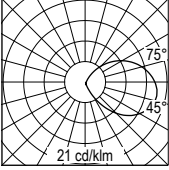
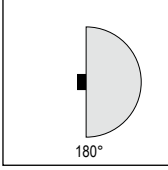
grigio chiaro
light grey

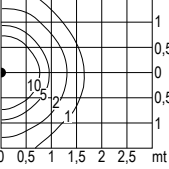
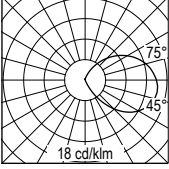
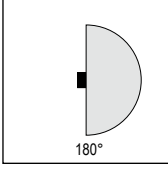
1311.147.O-- 17 W Led 3000 K 2009 lm
1311.148.O-- 17 W Led 4000 K 2098 lm
220-240 V 50/60 HZ
policarbonato opale *opal polycarbonate*
alimentatore incluso *led driver integral*

1311.F6X.O-- 35 W HIT G8,5 3300 lm
230 V 50 HZ
policarbonato opale *opal polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

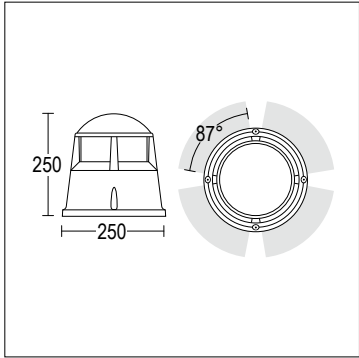
1311.92F.O-- 26 W TC-TE Gx24q-3 1800 lm
220-240 V 50/60 HZ
policarbonato opale *opal polycarbonate*
alimentatore elettronico incluso
electronic ballast integral







Elmo 360



IP66

IK09



codice colori
colour codes

.05

grigio antracite
anthracite grey

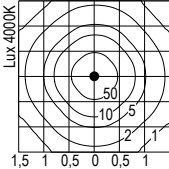
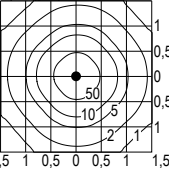
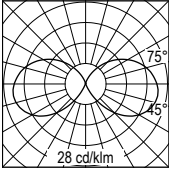
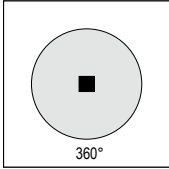
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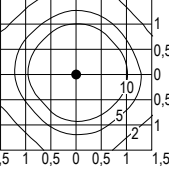
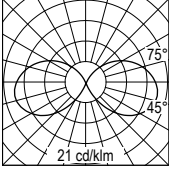
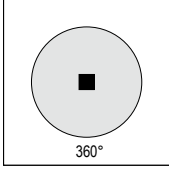
grigio chiaro
light grey

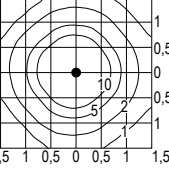
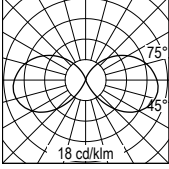
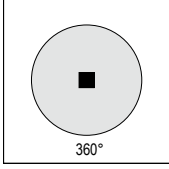
1312.147.O-- 17 W Led 3000 K 2009 lm
1312.148.O-- 17 W Led 4000 K 2098 lm
220-240 V 50/60 HZ
policarbonato opale *opal polycarbonate*
alimentatore incluso *led driver integral*

1312.F6X.O-- 35 W HIT G8,5 3300 lm
230 V 50 HZ
policarbonato opale *opal polycarbonate*
alimentatore ferromagnetico incluso
conventional ballast integral

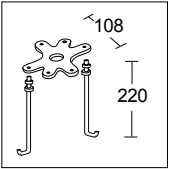
1312.92F.O-- 26 W TC-TE Gx24q-3 1800 lm
220-240 V 50/60 HZ
policarbonato opale *opal polycarbonate*
alimentatore elettronico incluso
electronic ballast integral



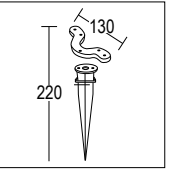




Accessori
Accessories



123
Base di ancoraggio + tiranti da cementare
Plated steel anchorage for concreting



124
Base di ancoraggio + picchetto nero in nylon
Plated steel anchorage + black nylon stake

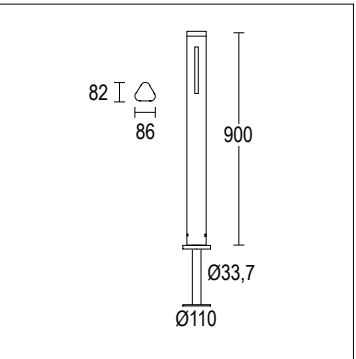
Tretty

design: arch.Margarita Kroucharska

Tretty e' un dissuasore che si ispira alla famiglia di apparecchi di illuminazione Tret. Rappresenta un palo verticale generato da una forma geometrica semplice – un triangolo con gli angoli smussati. E' realizzato in estrusione di alluminio ed e' proposto in due altezze. Per quanto riguarda la finitura della parte alta conclusiva puo' essere liscio oppure tornito. Viene proposto anche con catarifrangenti su uno, due o tutti e tre i lati.

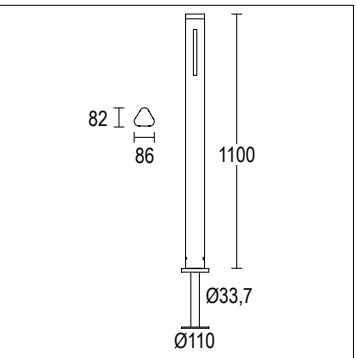
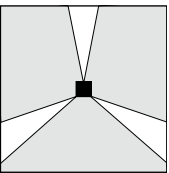
Tretty is a barrier system that is inspired by the Tret family of lighting fixtures. It is a vertical post created by a simple geometric form – a triangle with rounded edges. It is made of aluminum extrusion and comes in two different heights. As for the finish, the upper half can be smooth or turned. It can also come equipped with reflective accessories on one, two or all three sides.

	versioni led disponibili: 3000 K / 4000 K <i>LEDs available: 3000 K / 4000 K</i>
CORPO <i>BODY</i>	alluminio pressofuso EN AB 44100 alta resistenza all' ossidazione <i>die-cast aluminium EN AB 44100 high resistance to oxidation</i>
VITERIA ESTERNA <i>EXTERNAL FIXINGS</i>	inox A4-70 <i>stainless steel A4-70</i>
FINITURA <i>FINISH</i>	verniciatura in polveri poliestere ad alta resistenza ai raggi UV ed alla corrosione <i>powder coating polyester high resistance to UV and oxidation</i>



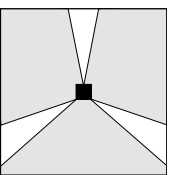
codice colori
colour codes
.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey

1080.LCX.X-- 13,5 W Led 3200 K 3 x 360 lm
1080.LDX.X-- 13,5 W Led 4000 K 3 x 360 lm
220-240 V 50/60 HZ
vetro trasparente *clear diffuser*
alimentatore incluso *led driver integral*



codice colori
colour codes
.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey

1081.LCX.X-- 13,5 W Led 3200 K 3 x 360 lm
1081.LDX.X-- 13,5 W Led 4000 K 3 x 360 lm
220-240 V 50/60 HZ
vetro trasparente *clear diffuser*
alimentatore incluso *led driver integral*



Accessori

Accessories



786
Chiave esalobata antivandalismo per testa
Vandal proof allen key

Barò

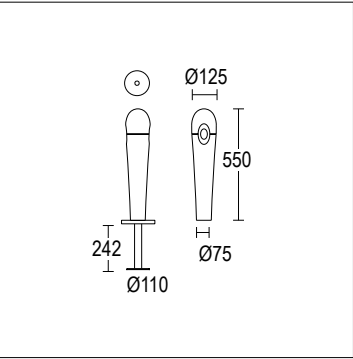
design:
arch.Margarita Kroucharska



Baro' e' un dissuasore in alluminio pressofuso che si sviluppa in forma verticale con una linea dolce e sinuosa ma nello stesso tempo essenziale e minimalista. L'apertura nella parte alta lo rende "ironico" e "divertente". E' proposto in due altezze. E' particolarmente efficace quando abbinato nello stesso contesto architettonico con gli altri elementi della stessa linea.

Baro' a die-cast aluminum post has a vertical form with soft, curvy lines, but at the same time maintains a simple and minimalist form. A perforation in the upper half of the unit renders it "ironic" and "entertaining". It comes in two heights. It is particularly efficient when used together with other units of the same range in the same architectural context.

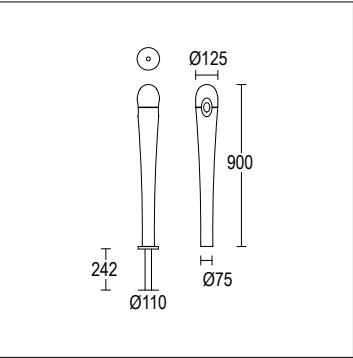
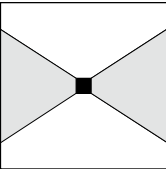
	versioni led disponibili: 3000 K / 4000 K LEDs available: 3000 K / 4000 K
CORPO <i>BODY</i>	alluminio pressofuso EN AB 44100 alta resistenza all' ossidazione <i>die-cast aluminium EN AB 44100 high resistance to oxidation</i>
VITERIA ESTERNA <i>EXTERNAL FIXINGS</i>	inox A4-70 <i>stainless steel A4-70</i>
FINITURA <i>FINISH</i>	verniciatura in polveri poliesteri ad alta resistenza ai raggi UV ed alla corrosione <i>powder coating polyester high resistance to UV and oxidation</i>



codice colori
colour codes

.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey

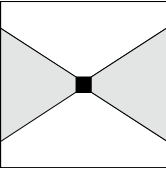
1092.HNX.T.-- 13 W 2 Led 3000 K 2 x 550 lm
1092.HPX.T.-- 13 W 2 Led 4000 K 2 x 590 lm
220-240 V 50/60 HZ
vetro trasparente *clear diffuser*
alimentatore incluso *led driver integral*



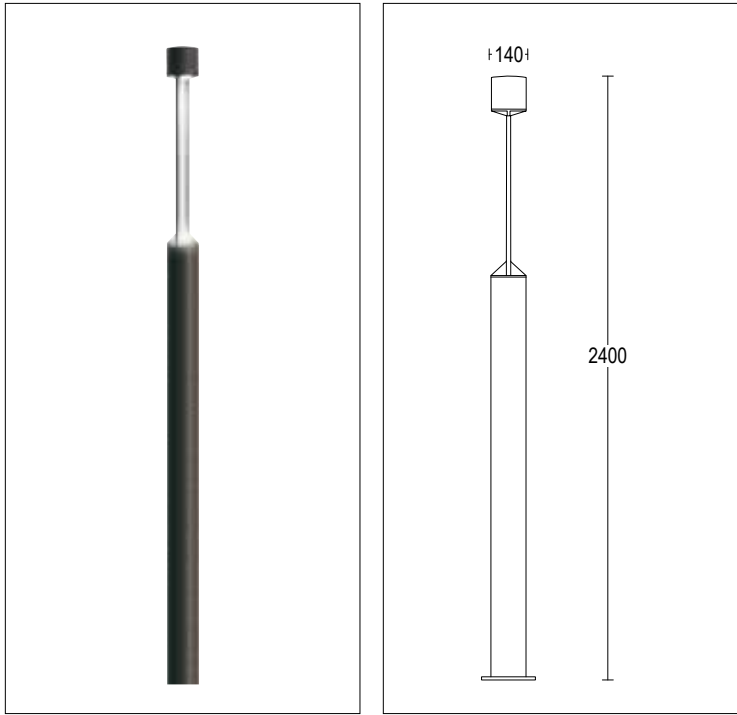
codice colori
colour codes

.05 grigio antracite
anthracite grey
.13 grigio chiaro
light grey

1093.HNX.T.-- 19 W 2 Led 3000 K 2 x 800 lm
1093.HPX.T.-- 19 W 2 Led 4000 K 2 x 895 lm
220-240 V 50/60 HZ
vetro trasparente *clear diffuser*
alimentatore incluso *led driver integral*



Miniclessidra



IP65

codice colori
colour codes

.05

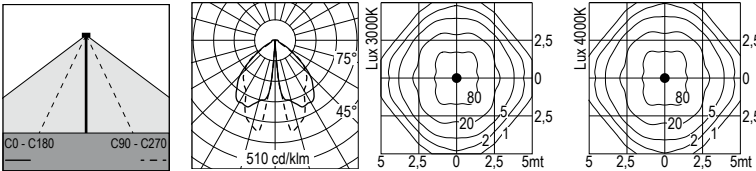
grigio antracite
anthracite grey

.13

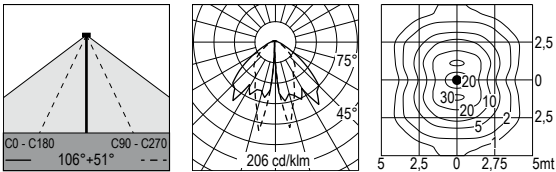
grigio chiaro
light grey

classe II su richiesta
class II upon request

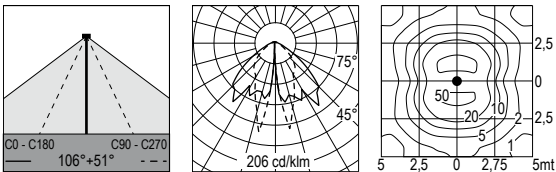
1504.HAX.T-- 26 W 2 Led 3000 K 2889 lm
1504.HBX.T-- 26 W 2 Led 4000 K 3017 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



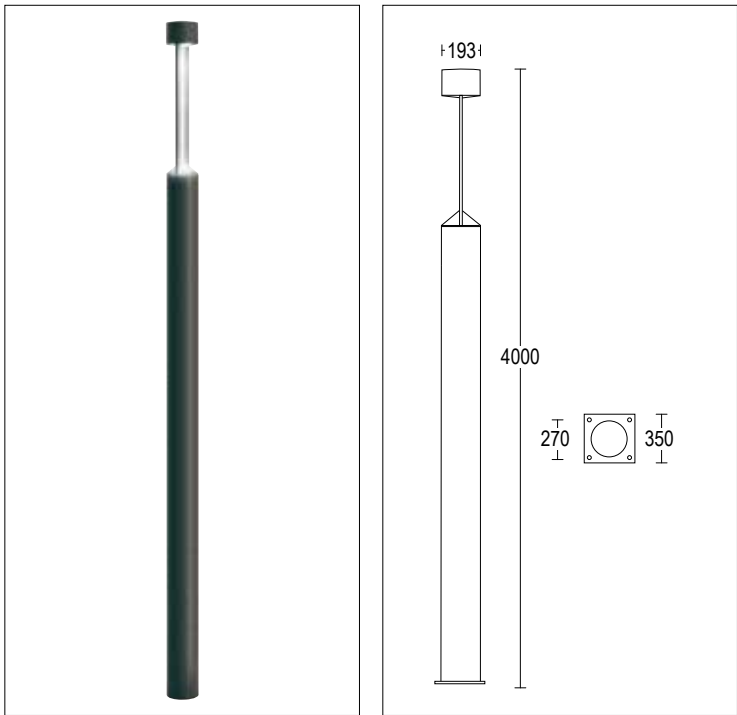
1504.17X.T-- 35 W HIT G12 3300 lm
230 V 50 HZ
vetro microprismato *microprismatic diffuser*
alimentatore ferromagnetico incluso
conventional ballast integral



1504.19X.T-- 70 W HIT G12 6600 lm
230 V 50 HZ
vetro microprismato *microprismatic diffuser*
alimentatore ferromagnetico incluso
conventional ballast integral



Clessidra



IP65

codice colori
colour codes

.05

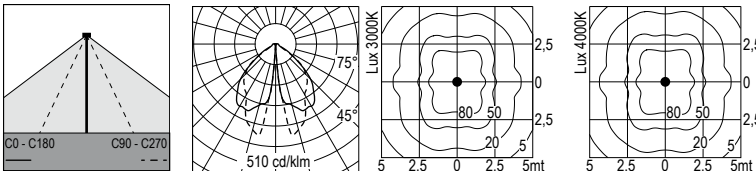
grigio antracite
anthracite grey

.13

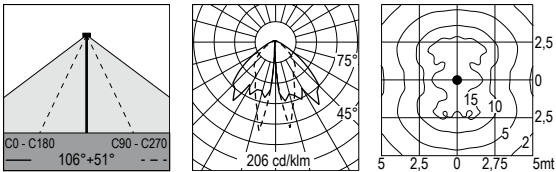
grigio chiaro
light grey

classe II su richiesta
class II upon request

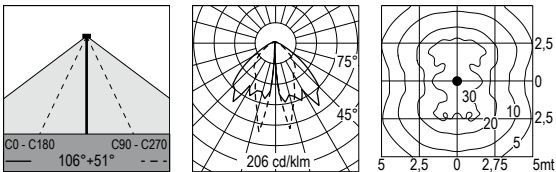
1501.HGX.T-- 52 W 2 Led 3000 K 5520 lm
1501.HHX.T-- 52 W 2 Led 4000 K 5760 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



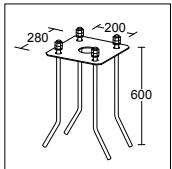
1501.17X.T-- 35 W HIT G12 3300 lm
230 V 50 HZ
vetro microprismato *microprismatic diffuser*
alimentatore ferromagnetico incluso
conventional ballast integral



1501.19X.T-- 70 W HIT G12 6600 lm
230 V 50 HZ
vetro microprismato *microprismatic diffuser*
alimentatore ferromagnetico incluso
conventional ballast integral

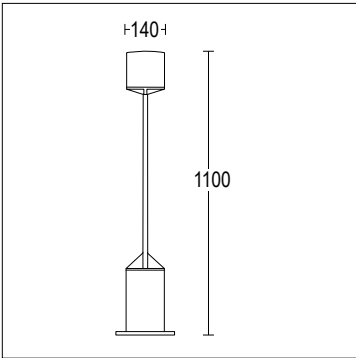


Accessori Clessidra
Clessidra Accessories



429
Base di ancoraggio + tiranti da cementare
Plated steel anchorage for concreting

Miniclessidra



IP65

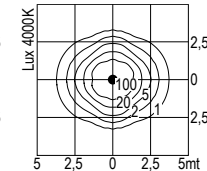
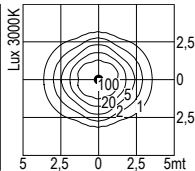
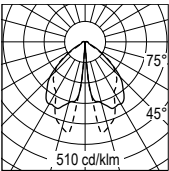
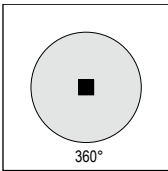
codice colori
colour codes

.05

grigio antracite
anthracite grey

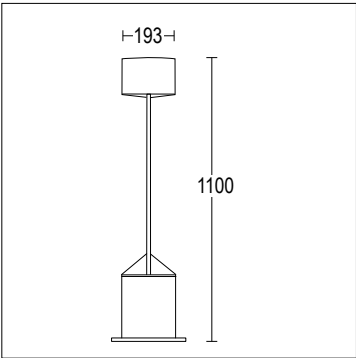
.13

grigio chiaro
light grey



1503.HAX.T-- 26 W 2 Led 3000 K 2889 lm
1503.ABX.T-- 26 W 2 Led 4000 K 3017 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*

Clessidra



IP65

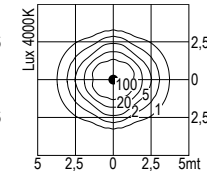
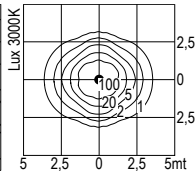
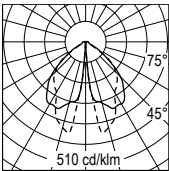
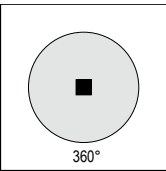
codice colori
colour codes

.05

grigio antracite
anthracite grey

.13

grigio chiaro
light grey



1506.HAX.T-- 26 W 2 Led 3000 K 2889 lm
1506.ABX.T-- 26 W 2 Led 4000 K 3017 lm
220-240 V 50/60 HZ
vetro microprismato *microprismatic diffuser*
alimentatore incluso *led driver integral*



RADO

MATERIAŁ:

- **korpus:**
aluminiowy odlew ciśnieniowy
- **klosz:**
szkło mleczne

KOLOR:

- czarny
- srebrny

KOD: RADO K BL
RADO K AL

E 27
1×60 W, 230 V
↑ 25 ↔ 8 ↗ 8 cm
IP 54



RADO

KOD: RADO 1 BL
RADO 1 AL

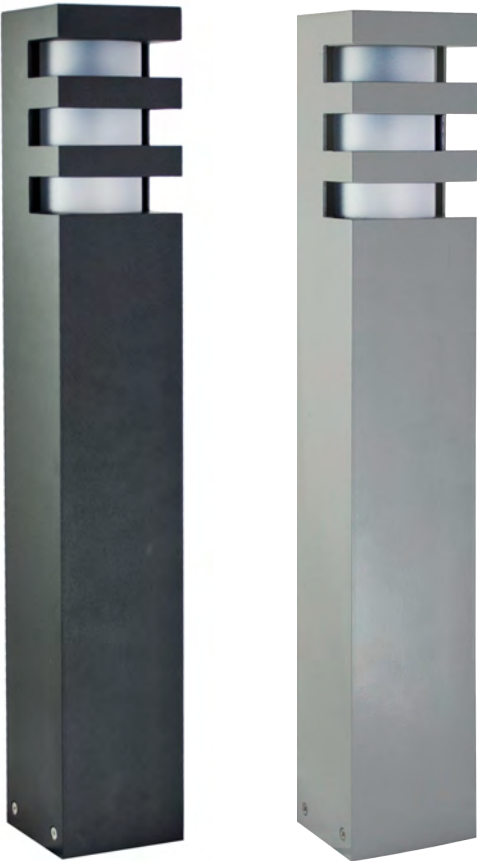
E 27
1×60 W, 230 V
↑ 75 ↔ 8 ↗ 8 cm
IP 54

KOD: RADO 2 BL
RADO 2 AL

E 27
1×60 W, 230 V
↑ 50 ↔ 8 ↗ 8 cm
IP 54

KOD: RADO 3 BL
RADO 3 AL

E 27
1×60 W, 230 V
↑ 25 ↔ 8 ↗ 8 cm
IP 54



RADIUS

KOD: 6146S-2-616

2 × 3 × 3 W LED CREE XPE, 230 V

Strumień świetlny – 970 lm

Barwa światła – neutralna biała; 4100 K

IP 54



6146S-2-616

KLASA I

IP54

CREE XPE-HEW LED 2-3*3W

Odlew aluminiowy

210

400

616

320°

320°

41.08°

h(m)	Esr(lx)	Emax(lx)	D(m)
1	1054	1676	0.75
2	263.5	418.9	1.5
3	117.1	186.2	2.25
4	65.88	104.7	3
5	67.02	7.047	3.75

400

800

1200

1600

2000

0

-30

30

60

-60

0

cd

V

H

Strumień światła (Lumeny)

1210

Watt

18

3000K

4100

4500K

6500K



RADIUS

KOD: 6144S-1

3 × 3 W LED CREE XPE, 230 V
Strumień świetlny – 480 lm
Barwa światła – neutralna biała; 4100 K
IP 54

KOD: 6144S-2

2 × 3 × 3 W LED CREE XPE, 230 V
Strumień świetlny – 970 lm
Barwa światła – neutralna biała; 4100 K
IP 54



6144S-1

KLASA I

IP54

CREE XPE-HEW LED 3*3W

Odlew aluminiowy

210

160

80

48

320°

320°

44.29°

h(m)	E _{śr} (lx)	E _{max} (lx)	D(m)
1	521.4	799.4	0.81
2	130.3	199.8	1.63
3	57.93	88.82	2.44
4	32.59	49.96	3.26
5	20.86	31.98	4.07

480

320

480

640

800

0

-60

-30

30

60

cd

lm

Strumień światła (Lumeny)

605

9

4100

3000K

4500K

6500K

6144S-2

KLASA I

IP54

CREE XPE-HEW LED 2-3*3W

Odlew aluminiowy

210

250

80

48

320°

41.08

320

h(m)	E _{śr} (lx)	E _{max} (lx)	D(m)
1	1054	1676	0.75
2	263.5	418.9	1.5
3	117.1	186.2	2.25
4	65.88	104.7	3
5	42.16	67.02	3.75

400

800

1200

1600

2000

0

-60

-30

30

60

cd

lm

Strumień światła (Lumeny)

1210

18

4100

3000K

4500K

6500K

RADIUS

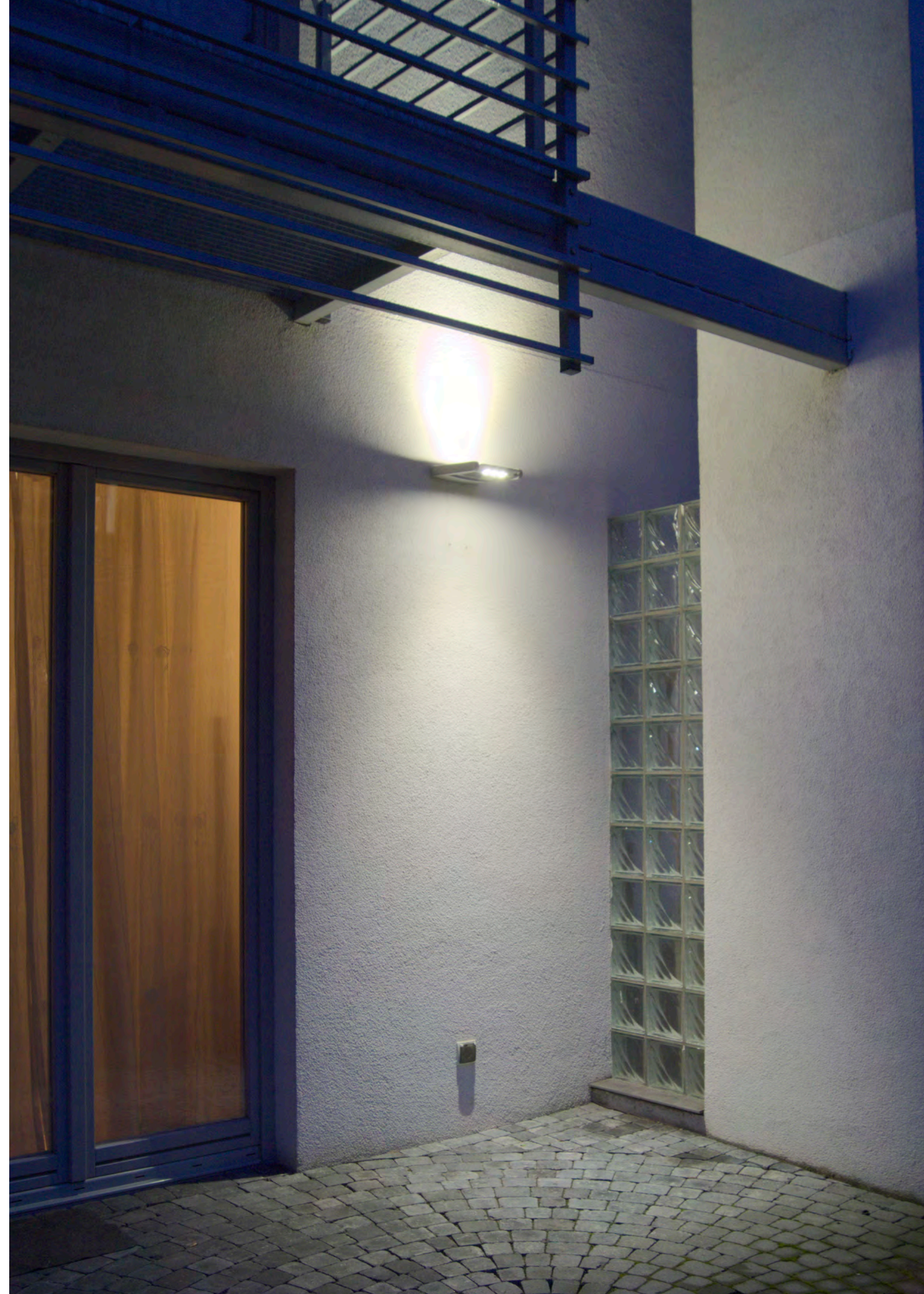
MATERIAŁ:

— **korpus:**

aluminiowy odlew ciśnieniowy
szkło hartowane

KOLOR:

srebrny



JOY

MATERIAŁ:

- korpus:
stal nierdzewna
- klosz:
poliwęglan

KOD: 91065L - 750

E 27
1 x 60 W, 230 V
↑ 75 Ø 11,4 cm
IP 44

KOD: 91065L - 500

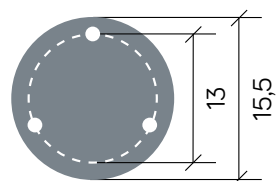
E 27
1 x 60 W, 230 V
↑ 50 Ø 11,4 cm
IP 44

KOD: 91063L

E 27
1 x 60 W, 230 V
↑ 26,5 ↔ 11,4 ↗ 14 cm
IP 44



Podstawa



INOX

MATERIAŁ:

- **korpus:**
stal nierdzewna
- **klosz:**
biały poliwęglan

KOLOR:

- ST ... BL**
czarny

KOD: ST 022-1100
ST 022-1100 BL

E 27
1 × 40 W, 230 V
↑ 110 Ø 7,5 cm
IP 44

KOD: ST 022-650
ST 022-650 BL

E 27
1 × 40 W, 230 V
↑ 65 Ø 7,5 cm
IP 44

KOD: ST 022-450
ST 022-450 BL

E 27
1 × 40 W, 230 V
↑ 45 Ø 7,5 cm
IP 44

KOD: ST 025
ST 025 BL

E 27
1 × 40 W, 230 V
↑ 33,6 ↔ 7,5 ↗ 15,5 cm
IP 44

KOD: ST 021
ST 021 BL

E 27
1 × 40 W, 230 V
↑ 38 Ø 7,5 cm
IP 44



INOX KWADRAT

MATERIAŁ:

- korpus:
stal nierdzewna lakierowana proszkowo
- klosz:
biały poliwęglan

KOLOR:

czarny

KOD: SS802-650 BL

E 27
1 × 40 W, 230 V
↑ 65 ↔ 8 ↗ 8 cm
IP 44

KOD: SS802-450 BL

E 27
1 × 40 W, 230 V
↑ 45 ↔ 8 ↗ 8 cm
IP 44

KOD: SS802-A BL

E 27
1 × 40 W, 230 V
↑ 34 ↔ 8 ↗ 12,5 cm
IP 44



FAN

MATERIAŁ:

- **korpus:**
aluminiowy odlew ciśnieniowy
- **klosz:**
poliwęglan

KOLOR:

ciemny popiel

KOD: GL11206

GX53
GX53 CFL, 230 V
GX53 LED, 230 V
↑ 20 cm
IP 54



FAN

KOD: GL11205

GX53
GX53 CFL, 230 V
GX53 LED, 230 V
↑ 80 cm
IP 54

KOD: GL11204

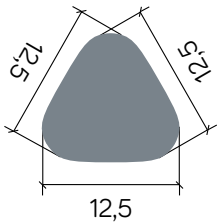
GX53
GX53 CFL, 230 V
GX53 LED, 230 V
↑ 50 cm
IP 54

KOD: GL11201

GX53
GX53 CFL, 230 V
GX53 LED, 230 V
↑ 30 cm
IP 54



Przekrój



ELIS

MATERIAŁ:

- **korpus:**
aluminiowy odlew ciśnieniowy
- **klosz:**
biały poliwęglan

KOLOR:

- czarny
- srebrny



ELIS

KOD: TO 3902-H 919 BL
TO 3902-H 919 AL

E 27
1× 60 W, 230 V
↑ 92 ↔ 14,5 ↗ 9 cm
IP 54

KOD: TO 3902-H 650 BL
TO 3902-H 650 AL

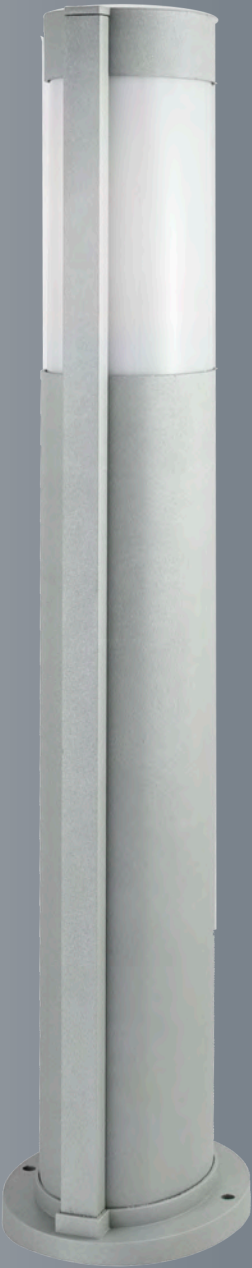
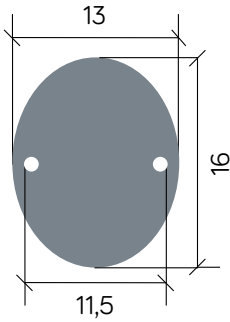
E 27
1× 60 W, 230 V
↑ 65 ↔ 14,5 ↗ 9 cm
IP 54

KOD: TY 0651 BL
TY 0651 AL

E 27
1× 60 W, 230 V
↑ 27,5 ↔ 14,5 ↗ 15,5 cm
IP 54



Podstawa



WIKI

MATERIAŁ:

aluminiowy odlew ciśnieniowy

KOLOR:

ciemny popiel

KOD: 13802-850

60 LED, 6 W, 230 V

Strumień świetlny – 420 lm

Barwa światła – neutralna biała; 4000 K

↑ 85 ↔ 7,5 ↗ 21,5 cm

IP 54

KOD: 13802-570

60 LED, 6 W, 230 V

Strumień świetlny – 420 lm

Barwa światła – neutralna biała; 4000 K

↑ 57 ↔ 7,5 ↗ 15,1 cm

IP 54



WIKI

MATERIAŁ:

aluminiowy odlew ciśnieniowy

KOLOR:

ciemny popiel

KOD: 13801

60 LED, 6 W, 230 V

Strumień świetlny – 420 lm

Barwa światła – neutralna biała; 4000 K

↑ 21,1 ↔ 7,5 ↗ 11,6 cm

IP 54



P1

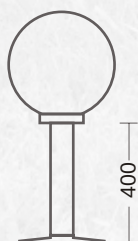
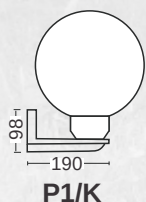
LIGHT
TERRA



P1/600/KM



P1/600/KPD



P1/400



P1/600



P1/900



P1/1200



P1/1500

P2

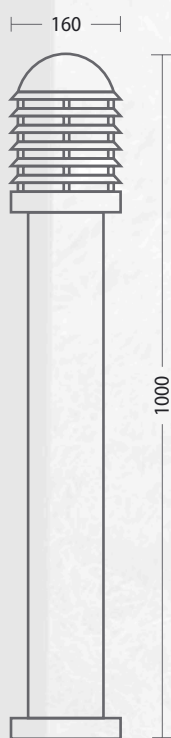
LIGHT
TERRA



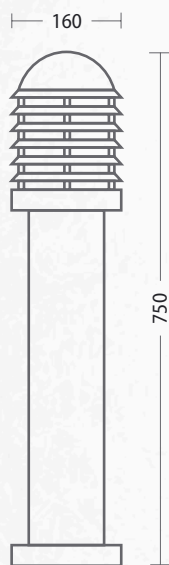
P2/750



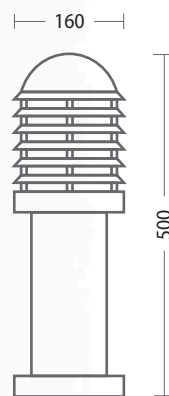
P2/1250



P2/1000



P2/750



P2/500