

Dear Jess

Re: PERMIT APPLICATION P42614 – STATE GOVERNMENT OFFICES, GEELONG (H2451) - REQUEST FOR FURTHER INFORMATION

This letter responds to the Request for Further Information (RFI) issued on 29 July 2026 regarding proposed landscaping and external lighting works at the State Government Offices in Geelong (H2451), specifically requesting details around the proposed lighting poles:

- Pole height.
- Pole diameter and wall thickness.
- Pole material and finish confirmation.
- Pole footing/foundation design, including dimensions, reinforcement, and embedment depth.
- Mounting height and orientation of the luminaires.

The proposed pole is BEGA aluminium luminaire pole with fixed base plate, finished in graphite coloured powder coating. The pole is 4000mm high and tapers upward, measuring 135mm in diameter at the base and 60mm at the top. Please refer to lighting technical specifications included in Attachment A and the material schedule accompanying this letter.

The pole will be mounted within the planters by means of a new concrete plinth affixed to the base of each planter with vertical bars. The light poles will then be anchored to each plinth. The plinth height will be a maximum of 1000mm but shall be sized to suit garden bed depth with base plate to be located at finished garden bed ground level. Please refer to structural plan SK1 – Light pole plinth included in Attachment B for details. Updated architectural and lighting packages are submitted together with this letter.

The luminaires will be mounted at the top of the pole and orientated towards the building and the ground, as needed. As necessary, several luminaires (up to 4) will be mounted on each pole. Please refer to drawing E-110 of the lighting package for details. Note: On drawing E-110, the blue line indicates the position of the luminaires aimed towards the ground. The other luminaires with no blue line will be aimed upwards at the building. The precise aiming of these upward facing luminaires will need to be undertaken at night for these fittings to ensure a good result.

I trust this information satisfies your request. Please do not hesitate to contact me if you have any queries or wish to discuss this proposal further. Feel free to give me a call on 0402 437 421 or send me an email at dan@conservationstudio.com.au.

Yours sincerely,

Conservation Studio Australia Pty Ltd

Dan Blake

Director

Jess Hood
Heritage Victoria
heritage.permits@transport.vic.gov.au

1BPERMIT APPLICATION P42614 – STATE
GOVERNMENT OFFICES, GEELONG
(H2451) - REQUEST FOR FURTHER
INFORMATION
Tuesday, 11 August 2026



Attachment A – Lighting specifications

BEGA**70787**

Pole

Project · Reference number

Date

Product data sheet

Application

Aluminium pole with base plate.
Tapered pole in accordance with DIN EN 40-6.
EU-declaration of conformity 0780-CPR-63018.

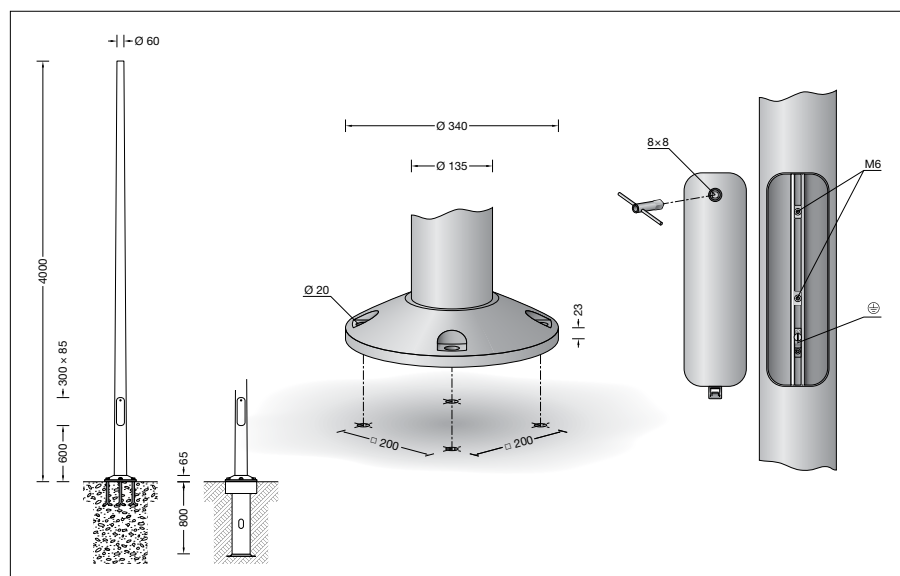
Product description

Luminaire pole made of aluminium and aluminium alloy, powder coated and lacquered
Pole top $\varnothing$ 60 mm
Base plate with 4 fixing holes for installation on a foundation or anchorage unit (accessory 70 899)
With inserted door made of aluminium
Square door latch (wrench size 8 mm)
C-clamp with earth clamp 16[□] and 2 sliding nuts M6 to accommodate a connection box according to DIN 43628 / VDE 0660 (see BEGA accessories)
CE 0780 – Conformity mark
Wind catching area: 0.39 m²
Weight: 16.3 kg

Accessories

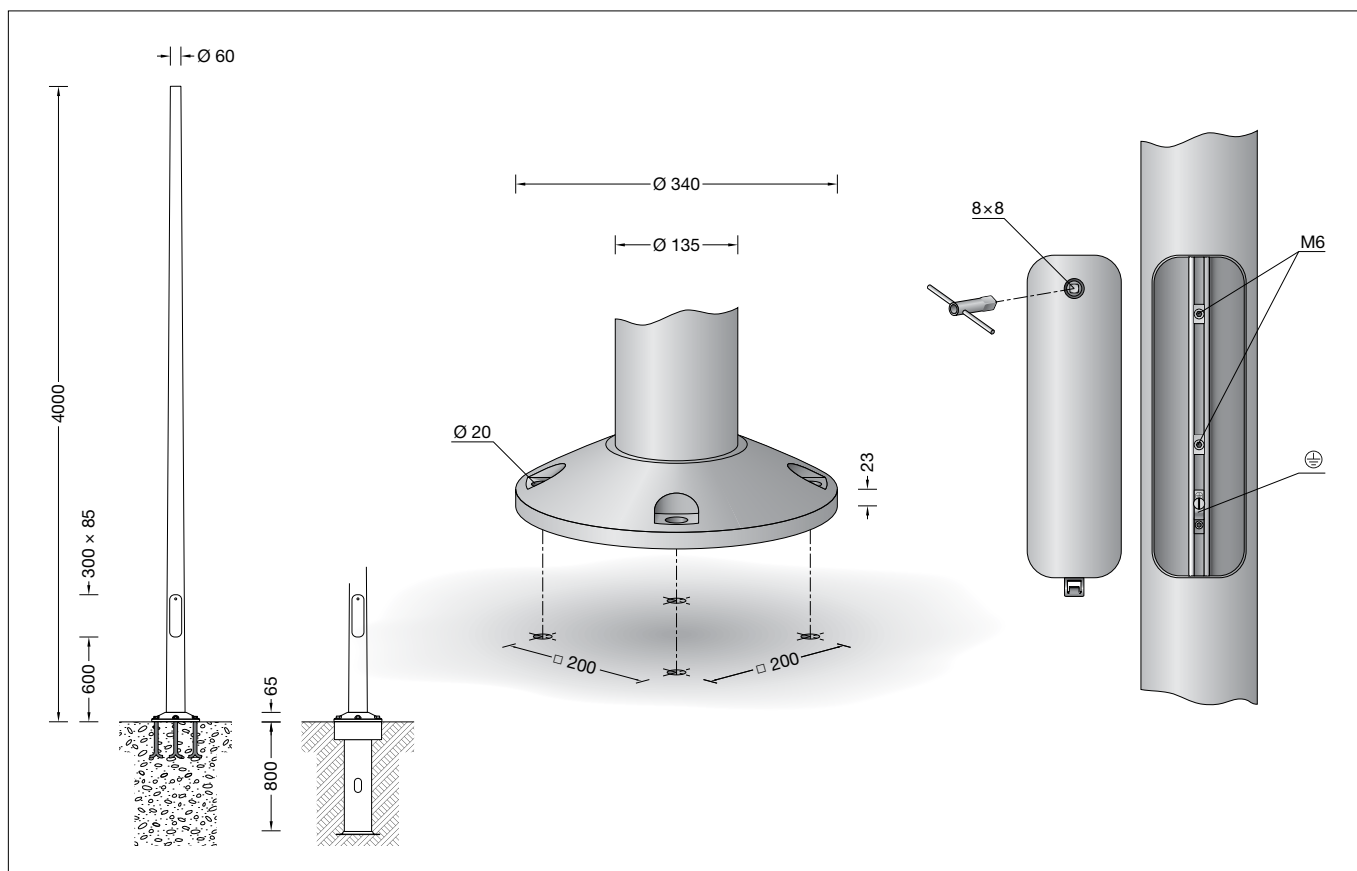
70 899 Anchorage unit
Anchorage unit with mounting flange made of galvanised steel. Total length 800 mm.
4 stainless steel fixing screws M 16 x 50.

For this luminaire pole a comprehensive range of connection boxes is available
– see BEGA web page www.bega.com.



BEGA**70787**

Lichtmast
Pole
Mât



Gebrauchsanweisung

Anwendung

Aluminium-Lichtmast mit Fußplatte.
Konischer Mast nach **DIN EN 40-6**.
EU-Konformitätszertifikat 0780-CPR-63018.

Produktbeschreibung

Mast aus Aluminium und Aluminiumguss, pulverbeschichtet und lackiert
Beschichtungstechnologie BEGA Unidure®
Mastkopf ø 60 mm
Fußplatte mit 4 Befestigungsbohrungen zur Montage auf ein Fundament oder Erdstück (Ergänzungsteil 70 899)
Mit eingesetzter Tür aus Aluminium
Vierkant-Türverschluss (SW 8 mm)
C-Schiene mit Potentialklemme bis 16² und 2 Schiebemuttern M6 zur Aufnahme eines Anschlusskastens nach DIN 43628 / VDE 0660 (siehe BEGA Ergänzungsteile)
Windangriffsfläche: 0,39 m²
Gewicht: 16,3 kg

Sicherheit

Für die Installation und für den Betrieb dieses Lichtmastes sind die nationalen Sicherheitsvorschriften zu beachten.
Der Hersteller übernimmt keine Haftung für Schäden, die durch unsachgemäßen Einsatz oder Montage entstehen.
Werden nachträglich Änderungen an dem Lichtmast vorgenommen, so gilt derjenige als Hersteller, der diese Änderungen vornimmt.

Instructions for use

Application

Aluminium pole with base plate.
Tapered pole in accordance with **DIN EN 40-6**.
EU-declaration of conformity 0780-CPR-63018.

Product description

Luminaire pole made of aluminium and aluminium alloy, powder coated and lacquered
BEGA Unidure® coating technology
Pole top ø 60 mm
Base plate with 4 fixing holes for installation on a foundation or anchorage unit (accessory 70 899)
With inserted door made of aluminium
Square door latch (wrench size 8 mm)
C-rail with potential terminal block up to 16² and 2x M6 sliding nuts to accommodate a connection box in accordance with DIN 43628 / VDE 0660 (see BEGA accessories)
Wind catching area: 0.39 m²
Weight: 16.3 kg

Safety indices

The installation and operation of this pole are subject to national safety regulations.
The manufacturer is then discharged from liability when damage is caused by improper use or installation.
If any pole is subsequently modified, the persons responsible for the modification shall be considered as manufacturer.

Fiche d'utilisation

Utilisation

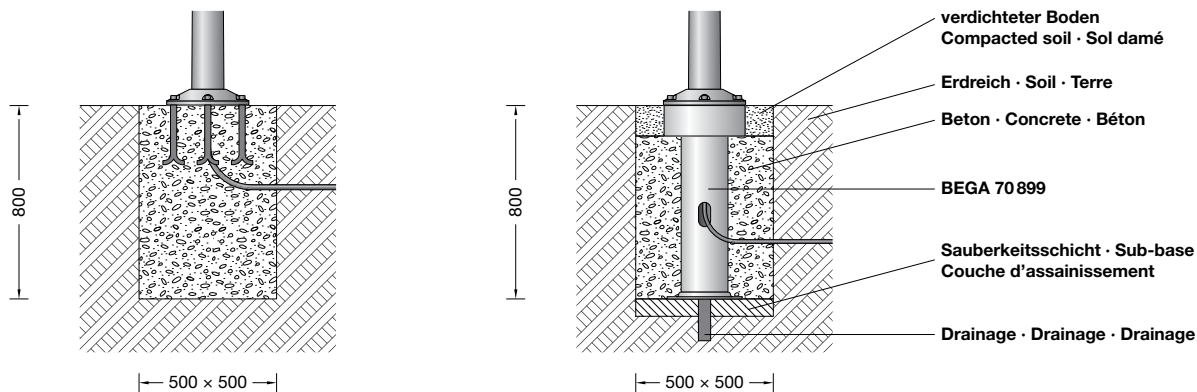
Mât en aluminium sur platine.
Mât conique selon **DIN EN 40-6**.
Certificat de conformité CE 0780-CPR-63018.

Description du produit

Mât fabriqué en aluminium et fonderie d'aluminium, surface poudrée et laquée
Technologie de revêtement BEGA Unidure®
Tête de mât ø 60 mm
Platine avec 4 trous de fixation pour l'installation sur un massif de fondation ou sur la pièce enterrée (Accessoire 70 899)
Avec porte fabriquée en aluminium
Fermeture à vis à quatre pans (taille de clé 8 mm)
Rail intérieur avec raccordement de mise à la terre 16² et 2 écrous coulissants M6 pour la fixation d'une boîte de connexion
DIN 43628 / VDE 0660 (voir accessoires BEGA)
Prise au vent : 0,39 m²
Poids : 16,3 kg

Sécurité

Pour l'installation et l'utilisation de ce mât, respecter les normes de sécurité nationales.
Le fabricant décline toute responsabilité résultant d'une mise en œuvre ou d'une installation inappropriée du produit.
Dans le cas où des modifications sont apportées ultérieurement au mât, l'intervenant qui aura réalisé ces modifications sera considéré comme étant le fabricant.



Montage

Der Mast ist je nach Einsatzart, Leuchtengröße und Gewicht standsicher zu gründen.
Die Fundamentgröße ist abhängig von der Topographie, Bodenbeschaffenheit und Windbelastung und muss jeweils bauseits bestimmt werden.
Dazu gilt die Norm DIN 1045.
Die obige beispielhafte Fundamentempfehlung gilt für einen tragfähigen Baugrund.

Tür mit beiliegendem Vierkantschlüssel öffnen und entnehmen.
Erdkabel in den Mast führen.
Mast auf Fundament oder Erdstück (Ergänzungsteil 70 899) standsicher befestigen.
Das Befestigungsmaterial für die Montage auf ein Fundament ist bauseits festzulegen und zu stellen: z. B. Steinschrauben aus Edelstahl M16 x 300 DIN 529.
Dabei auf bauaufsichtliche Zulassung achten.

Bitte beachten:

Feuchter Beton kann stark alkalisch sein und darf nicht dauerhaft mit dem Mast in Kontakt kommen.

Wir empfehlen den Montagebereich zu drainieren und mit Isolieranstrich zu versehen.
Leuchte und Anschlusskasten montieren.
Hierzu die Gebrauchsanweisung der Leuchte beachten.

Produkteigenschaften

Widerstand gegen horizontale Lasten:

$v_{ref,0} = 32 \text{ m/s}$

Geländekategorie: 1
nach DIN EN 1991-1-4

Leuchten mit einem Gewicht bis 40 kg und einer Windangriffsfläche max. $0,1 \text{ m}^2$

Verformungskategorie: 1 – Sicherheitsklasse: A
nach DIN EN 40-3-3

Verhalten bei Fahrzeuganprall nach
DIN EN 12767 (passive Sicherheit): Klasse 0

Installation

Depending on the mode of application, the size and weight of the luminaire the pole must be firmly fixed.

The size of the foundation depends on the topography, condition of the soil and the wind load and must be determined on site.
DIN 1045 applies.

The above exemplary recommendation for a foundation is applicable for a stable.

Open door with enclosed square spanner and remove door.

Lead underground cable into the pole.

Fix pole stably on a foundation or an anchorage unit (accessory 70 899).

The fixing material for an installation on a foundation must be determined and provided by the customer: e.g. stone bolts made of stainless steel M16 x 300 DIN 529.

Note authorization through supervision of construction.

Please note:

Wet concrete can be very alkaline and must not get into contact with the pole permanently.

We recommend to drain the mounting area and to provide it with insulating paint.

Assemble luminaire and connection box.

Note the instructions for use of the luminaire.

Installation

Le mât doit être installé en tenant compte de son utilisation, des dimensions et poids du luminaire, de la prise au vent.

Le volume et les dimensions du massif béton dépendent de la topographie, la pression à fond de fouille du sol, de la zone de vent, ainsi que des forces et des charges exercées et doivent être individuellement définis sur le chantier.

La norme DIN 1045 est alors applicable.

Le massif de fondation recommandé ci-dessus est un exemple uniquement valable pour un terrain à bâtir solide.

Déverrouiller et retirer la porte avec la clé jointe.

Introduire le câble réseau dans le mât. Fixer solidement le mât sur le massif en béton ou sur la pièce à enterrer (accessoire 70 899).

Les matériaux de fixation pour la fixation sur un massif en béton doivent être définis et fournis sur le chantier: par exemple vis à scellement en acier inoxydable M16 x 300 DIN 529.

Respecter les consignes de la maîtrise d'ouvrage.

Attention :

La laitance du béton peut être fortement alcaline et ne doit pas être en contact durable avec le mât. La surface où est installé le luminaire doit être drainée et protégée par une matière isolante. Installer le luminaire et la boîte de montage - voir la fiche d'utilisation.

Product characteristics

Resistance against horizontal loads

$v_{ref,0} = 32 \text{ m/s}$

Terrain category: 1

in accordance with DIN EN 1991-1-4

Luminaires with a maximum weight of 40 kg for a wind catching area max. $0,1 \text{ m}^2$

Deformation class: 1 – Safety class: A

in accordance with DIN EN 40-3-3

Properties in case of vehicle impact

(passive safety): class 0 in accordance with
DIN EN 12767

Caractéristiques de produits

Résistance aux charges horizontales:

$v_{ref,0} = 32 \text{ m/s}$

Catégorie de terrain: 1

selon DIN EN 1991-1-4

Luminaires avec un poids jusqu'à: 40 kg et une surface de prise au vent: $0,1 \text{ m}^2$

Classe de déformation 1 –

Classe de sécurité A selon DIN EN 40-3-3

Performance en cas d'impact d'un véhicule (sécurité passive): Classe 0

Ergänzungsteile

71 084 Anschlusskasten IP 54
1 Fein-Sicherung 6,3 A
2 Eingänge für Kabel 7 x 6[□]
2 Ausgänge für Leitung 5 x 1,5[□]

70 629 Anschlusskasten IP 55
2 Neozed-Sicherungen 6 A
2 Eingänge für Kabel 5 x 10[□]
2 Ausgänge für Leitung 4 x 2,5[□]

71 147 Anschlusskasten IP 54
2 Neozed-Sicherungen 6 A
2 Eingänge für Kabel 5 x 10[□]
2 Ausgänge für Leitung 4 x 2,5[□]

70 647 Anschlusskasten IP 54
3 Neozed-Sicherungen 6 A
2 Eingänge für Kabel 5 x 16[□]
2 Ausgänge für Leitung 5 x 2,5[□]

71 160 Anschlusskasten IP 54
3 Feinsicherungen 5x20 mm · 10 A träge
1 Eingang für Kabel 5 x 4[□]
4 Ausgänge für Leitung 5 x 1,5[□]

70 695 Anschlusskasten IP 54
mit Überspannungsschutz
2 Neozed-Sicherungen 6 A
2 Eingänge für Kabel 5 x 16[□]
2 Ausgänge für Leitung 4 x 2,5[□]

71 089 Anschlusskasten IP 54
mit eingebauter DALI-Stromversorgung
und DALI-USB-Schnittstelle
1 Fein-Sicherung 5 A
3 Eingänge für Kabel 5 x 16[□]
2 Ausgänge für Leitung 5 x 1,5[□]

71 143 Anschlusskasten IP 54
mit Leistungsreduzierung für LED-Leuchten
mit DALI-Schnittstelle
Betriebsart 1: Leistungsreduzierung durch
geschaltete Steuerphase
Betriebsart 2: Leistungsreduzierung mithilfe
von virtueller Mitternachtsberechnung
2 Neozed-Sicherungen 6 A
2 Eingänge für Kabel 5 x 16[□]
2 Ausgänge für Leitung 5 x 2,5[□]

70 899 Erdstück
Erdstück mit Befestigungsflansch aus
feuerverzinktem Stahl. Gesamtlänge 800 mm.
4 Befestigungsschrauben M 16 x 50 aus
Edelstahl.

75 000 198 Mastverschlusskappe

Zu den Anschlusskästen und dem Erdstück
gibt es eine gesonderte Gebrauchsanweisung.

Accessories

71 084 Connection box IP 54
1 fine-fuse 6.3 A
2 inputs for cable 7 x 6[□]
2 outputs for cable 5 x 1,5[□]

70 629 Connection box IP 55
2 fuses Neozed 6 A
2 inputs for cable 5 x 10[□]
2 outputs for cable 4 x 2,5[□]

71 147 Connection box IP 54
2 fuses Neozed 6 A
2 inputs for cable 5 x 10[□]
2 outputs for cable 4 x 2,5[□]

70 647 Connection box IP 54
3 fuses Neozed 6 A
2 inputs for cable 5 x 16[□]
2 outputs for cable 5 x 2,5[□]

70 650 Connection box
3 micro fuses 5x20 mm · 10 A slow
1 input for cable 5 x 4[□]
4 outputs for cable 5 x 1,5[□]

70 695 Connection box IP 54
with overvoltage protection
2 fuses Neozed 6 A
2 inputs for cable 5 x 16[□]
2 outputs for cable 4 x 2,5[□]

71 089 Connection box IP 54
with integral DALI Power supply
and DALI USB interface
1 fine-fuse 5 A
3 inputs for cable 5 x 16[□]
2 outputs for cable 5 x 1,5[□]

71 143 Connection box IP 54
with power reduction for LED luminaires
with DALI interface
Operating mode 1: Power reduction via
switched control phase
Operating mode 2: Power reduction by way of
virtual midnight calculation
2 Neozed 6A fuses
2 inputs for 5 x 16 cable
2 outputs for 5 x 2,5 cable

70 899 Anchorage unit
Anchorage unit with mounting flange made
of galvanised steel. Total length 800 mm.
4 stainless steel fixing screws M 16 x 50.

75 000 198 Pole cap

For the connection boxes and anchorage unit
a separate instructions for use can be provided
upon request.

Accessoires

71 084 Boîte de connexion IP 54
1 fil fin fusible 6.3 A
2 entrées pour câble 7 x 6[□]
2 sorties pour câble 5 x 1,5[□]

70 629 Boîte de connexion IP 55
2 fusibles neozed 6 A
2 entrées pour câble 5 x 10[□]
2 sorties pour câble 4 x 2,5[□]

71 147 Boîte de connexion IP 54
2 fusibles neozed 6 A
2 entrées pour câble 5 x 10[□]
2 sorties pour câble 4 x 2,5[□]

70 647 Boîte de connexion IP 54
3 fusibles neozed 6 A
2 entrées pour câble 5 x 16[□]
2 sorties pour câble 5 x 2,5[□]

70 650 Boîte de connexion IP 54
3 fusibles à fil fin 5x20 mm · 10 A
à action retardée
1 entrée pour câble 5 x 4[□]
4 sorties pour câble 5 x 1,5[□]

70 695 Boîte de connexion IP 54
avec protection contre les surtensions
2 fusibles neozed 6 A
2 entrées pour câble 5 x 16[□]
2 sorties pour câble 4 x 2,5[□]

71 089 Boîte de connexion IP 54
avec alimentation DALI et Interface
DALI-USB intégrée
1 fil fin fusible 5 A
3 entrées pour câble 5 x 16[□]
2 sorties pour câble 5 x 1,5[□]

71 143 Boîte de connexion IP 54
avec réduction de puissance pour luminaires
LED avec interface DALI
Mode 1 : Réduction de puissance par phase
de commande activée
Mode 2 : Réduction de puissance à l'aide
d'un calcul du minuit virtuel
2 fusibles Neozed 6 A
2 entrées pour câble 5 x 16[□]
2 sorties pour câble 5 x 2,5[□]

70 899 Pièce à enterrer
Pièce à enterrer avec flasque de fixation en
acier galvanisé. Longueur totale 800 mm.
4 vis de fixation M 16 x 50 en acier inoxydable.

75 000 198 Bouchon de fermeture

Une fiche d'utilisation pour ces boîtes de
connexion et pièce enterrée est disponible.

Ersatzteile

Schiebemutter	16 005 255 M1
Vierkantschlüssel	56 000 091
Tür	75 000 408 L
Mastverschlusskappe	75 000 459

Spares

Sliding nut	16 005 255 M1
Square spanner	56 000 091
Door	75 000 408 L
Pole cap	75 000 459

Pièces de rechange

Écrou coulissant	16 005 255 M1
Clé carrée	56 000 091
Porte	75 000 408 L
Bouchon de fermeture	75 000 459

BEGA**71 042**

Pole adapter with G ½ threaded connection

Project · Reference number

Date

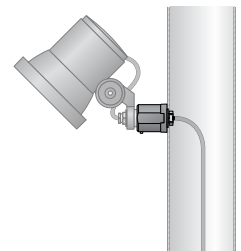
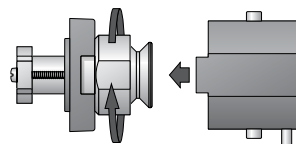
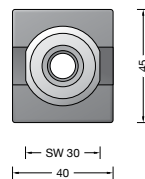
Product data sheet

Application

Adapter for permanent operation of a floodlight with G ½ threaded connection ISO 228 on a pole or on-site structures.

Product description

Adapter made of cast aluminium and stainless steel
 Required recessed opening $\varnothing 30$ mm for mounting on luminaire poles $\varnothing \geq 60 - 220$ mm or on-site structures
 Max. weight of floodlight: 6,8 kg
 Fixing of floodlight with G ½ threaded connection · ISO 228
CE – Conformity mark
 Weight: 0.15 kg

**Article No. 71 042**

Colour graphite or silver
 graphite – article number
 silver – article number + **A**

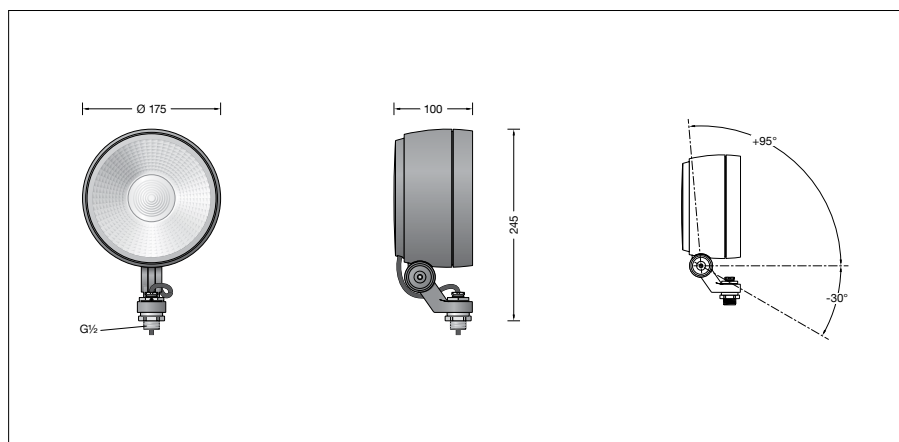
BEGA**84 528**

Performance floodlight



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Colour graphite or silver
 Clear safety glass
 Silicone gasket
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 Rotation range of floodlight 350°
 Swivel range $-30^\circ/+95^\circ$
 Mounting bracket with G $\frac{1}{2}$ threaded connection
 Thread length: 14 mm
 Connecting cable X05BQ-F 5 G 1 mm²
 Cable length 1 m
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V $\sim$ 0/50-60 Hz
 DC 176-264 V
 DALI-controllable
 Number of DALI addresses: 1
 Basic insulation is provided between the mains and control cables
 BEGA Thermal Control®
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK09
 Protection against mechanical impacts < 10 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.025 m²
 Weight: 2.4 kg
 This product contains light sources of energy efficiency class(es) E

Application

Performance floodlight with G $\frac{1}{2}$ mounting bush in compact design.
 The floodlight can be bolted together with any female thread G $\frac{1}{2}$ according to ISO 228 supplied by others or to BEGA accessories.
 For a variety of interior and exterior lighting applications.

Lamp

Module connected wattage	36.8 W
Luminaire connected wattage	40 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35^\circ\text{C}$

84 528 K4

Module designation	LED-0780/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	5220 lm
Luminaire luminous flux	3913 lm
Luminaire luminous efficiency	97,8 lm/W

84 528 K3

Module designation	LED-0780/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	5145 lm
Luminaire luminous flux	3857 lm
Luminaire luminous efficiency	96,4 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	140,000 h (L80 B50)

Ambient temperature max. $t_a = 35^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	110,000 h (L70 B50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (80 %)

LED psu:	> 50,000 h
LED module:	> 50,000 h (L70 B50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Light technique

Symmetrical wide beam light distribution
 Half beam angle 64°
 For special lighting applications, the symmetrical light cone can be changed to a flat beam using an additional diffuser lens.
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Inrush current

Inrush current: 5 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	28 luminaires
B 16A:	45 luminaires
C 10A:	28 luminaires
C 16A:	48 luminaires

Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:
 3–0–0

CEN Flux Code according to EN 13032-2:
 73–93–100–100–100

BEGA Hybrid Optics®

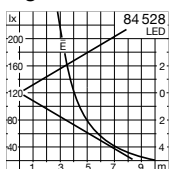
BEGA Hybrid Optics® offers complete lighting control thanks to optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

Article No. 84 528

LED colour temperature optionally 4000 K or 3000 K

4000 K – Article number + **K4**
 3000 K – Article number + **K3**

Colour graphite or silver
 graphite – article number
 silver – article number + **A**

Light distribution

Accessories

71 111 Shield

71 113 Exchangeable lens flat beam

70 214 Pole cap for pole ø 48 mm

70 248 Pole cap for pole ø 60 mm

70 245 Mounting box

70 252 General fastener

70 280 Tube clamp G½

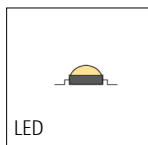
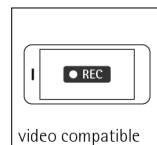
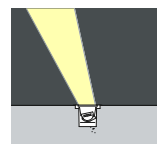
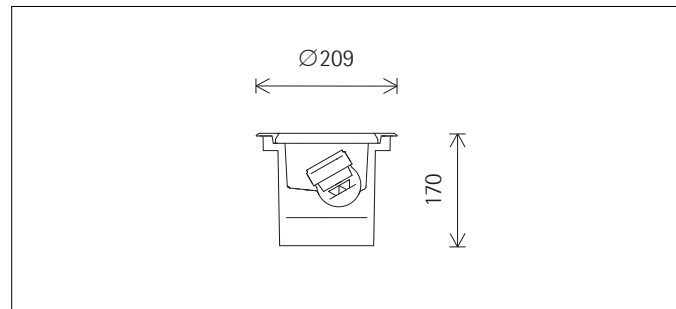
70 283 Screw clamp

70 379 Cross beam G½

70 889 Tension belt

71 042 Adapter for installation on a pole

For the accessories a separate instructions for use can be provided upon request.



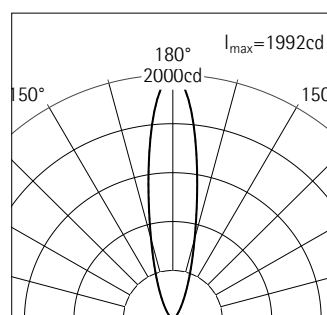
B2000038

LED module: 8.1W 1036lm 3000K warm white
DALI-2
Version 1
Construction size 4
Covered mounting detail
Zoom lens spot

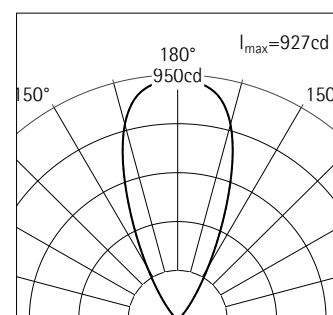
Product description

Housing: polymer, black.
Longitudinally watertight cable 4x1.5mm², L 800mm.
ERCO DALI control gear.
LED module: high-power LEDs.
Collimating lens made of optical polymer. 0°-30° tilt, 360° rotation.
Screw-fastened cover ring with flush safety glass: stainless steel. Safety glass: 15mm, clear.
Lens unit: polymer, black.
Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
Installation with separate connection sleeve.
Mounting in recessed housing: can be

driven over by vehicles with pneumatic tyres. Load: 20kN.
Mounting in hollow floor: mounting kit to be ordered separately.
Protection mode IP68 3m: protection against dust ingress, and continuous immersion up to 3m deep.
Additionally tested with IP65.
Safety class II
Weight 2.86kg
Version with 3000K CRI 97 or 2700K, 3500K CRI 92 available on request.



h(m)	E(lx)	D(m)
1.0	1992	0.38
2.0	498	0.77
3.0	221	1.15
4.0	125	1.54
5.0	80	1.92



h(m)	E(lx)	D(m)
1.0	928	0.85
2.0	232	1.70
3.0	103	2.54
4.0	58	3.39
5.0	37	4.24

Technical data

Luminous flux of the luminaire	554lm
Connected load	9.8W
Luminaire efficacy	57lm/W
Colour deviation	1.5 SDCM
Colour rendition index	CRI 92
Lumen maintenance	L90/B10 >50000h L90 >100000h
LED failure rate	0.1% >50000h
Dimming range	1%-100%
Dimming method	CCR
TLA (Temporal Light Artefacts)	SVM ≤ 0.1; PstLM ≤ 1
LMF	E
Standby power per control gear	0.3W
Luminaires per circuit breaker B16	323
Temperature on the light aperture	37°C

For your regional contact in the ERCO
Sales network click here
www.erco.com/contact

Technical Region: 220-240V 50/60Hz
We reserve the right to make technical
and design changes.
Edition: 05.05.2026
Current version under
www.erco.com/B2000038

Planning data

Melanopic light effect

Art. no.	Spectrum	MR	MDER
B2000038 (indirect)	3000K CRI 92	0.53	0.48

MR	Melanopic factor (of luminous radiation) $a_{mel,v}$
MDER	Melanopic Daylight Efficacy Ratio $[\gamma]_{mel,v,D65}$

Multiplying the illuminance with the melanopic daylight efficacy ratio MDER gives the melanopic equivalent daylight illuminance MEDl. (MEDl: Melanopic Equivalent Daylight Illuminance $[lx] E_{v, mel, D65} [lx]$).

Extract from the Environmental Product Declaration (EPD)

The entire EPD can be found at: www.erco.com/B2000038

Extrapolation coefficients to convert the reference data from the EPD document for the declared unit

Lighting output	Manufacturing	Distribution	Installation	Use	EoL	Benefits and loads
956	1	0.578	0.5	0.464	0.587	1

Frequently used EPD data that have already been converted for this article number.

Parameter	Unit	A1-A3	A4	A5	B6	C1	C2	C3	C4	D	Total
Results per functional unit											
GWP	kg CO2 eq	2.77E01	6.07E-01	3.30E-01	1.52E02	0.00E00	1.94E-02	2.03E00	1.13E-02	-3.06E00	1.83E02
GWP-biogenic	kg CO2 eq	-6.33E-01	0.00E00	3.17E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-3.16E-01
Results per declared unit											
GWP	kg CO2 eq	4.26E01	9.31E-01	5.10E-01	2.32E02	0.00E00	2.99E-02	3.12E00	1.73E-02	-4.71E00	2.79E02
GWP-biogenic	kg CO2 eq	-9.73E-01	0.00E00	4.86E-01	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	0.00E00	-4.87E-01

A1-A3	Manufacturing
A4	Distribution
A5	Installation
B6	Use
C1-C4	End of Life
D	Benefits and loads

The data for operating the light (Use B6) refer to the European power source mix.
You will find the ERCO EPD Help under Downloads/General planning data.

Cleaning (a)	1				2				3			
Ambient conditions	P	C	N	D	P	C	N	D	P	C	N	D
LMF	0.96	0.94	0.90	0.86	0.93	0.91	0.86	0.81	0.92	0.90	0.84	0.79

Hours of operation (h)	1000	5000	10000	20000	30000	40000	50000
LLMF	1.00	0.99	0.98	0.96	0.94	0.92	0.90
LSF	1	1	1	1	1	1	1

MF	LMF x RSMF x LLMF x LSF
MF	Maintenance Factor
LMF	Luminaire Maintenance Factor
RSMF	Room Surface Maintenance Factor
LLMF	Lamp Lumens Maintenance Factor
LSF	Lamp Survival Factor
P	Room pure
C	Room clean
N	Room normal
D	Room dirty

Data according to regulations

2019/2020/EU supplemented by 2021/341/EU and 2019/2015/EU supplemented by 2021/340/EU Energy Consumption Labelling Ordinance

This product contains a light source of efficiency class D
Due to thermal and photometric properties as well as to protect electronic components from ESD (electrostatic discharge) the light source cannot be changed by the customer.

ID EPREL: 1708825

Model identifier: 3000068469

Download data sheets for control gear and disassembly instructions at www.erco.com/slr

Planning data

Technical data in accordance with international norms and standards

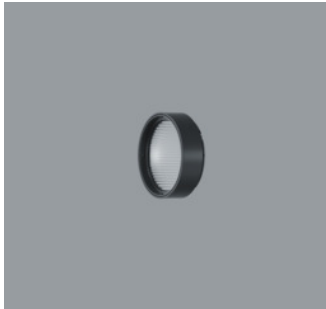
IEC 60598	Luminaires – Part 1+2: general requirements, specific requirements and tests
IEC 62031	LED modules for general lighting – safety requirements
IEC 62471	Photobiological safety of lamps and lamp systems
EN 13032-4	Light and lighting – measurement and representation of photometric data
CIE 13	Method of measuring and specifying colour rendering properties of light sources

All technical data is subject to industry-standard tolerances.

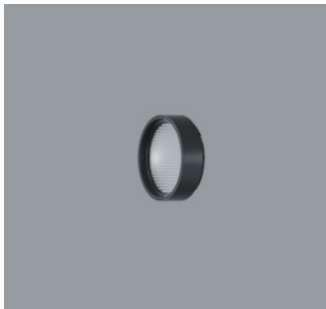
Also see www.erco.com/erco-led

For explanations of the symbols and abbreviations used and other general information, see www.erco.com/symbols

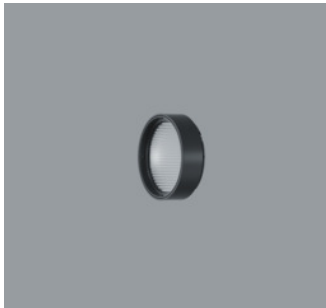
Accessories



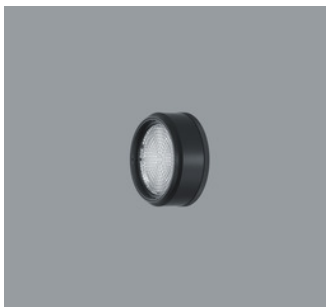
AC002064
 Lens unit spot
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.
 Spherolit lens made of optical polymer.
 Weight 0.04kg
CE



AC002062
 Lens unit flood
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.
 Spherolit lens made of optical polymer.
 Weight 0.04kg
CE



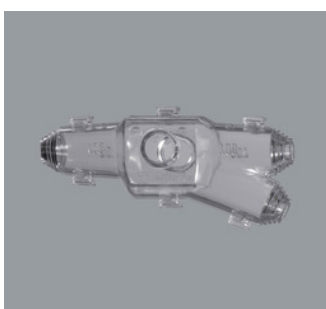
AC002061
 Lens unit oval flood
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.
 Spherolit lens made of optical polymer.
 Weight 0.04kg
CE



AC002122
 Lens unit zoom spot
 Polymer, black lacquered, rotatable through 360°. Replacement without tools.
 Anti-reflective zoom lens made of optical polymer, infinitely variable focus.
 Weight 0.04kg
CE



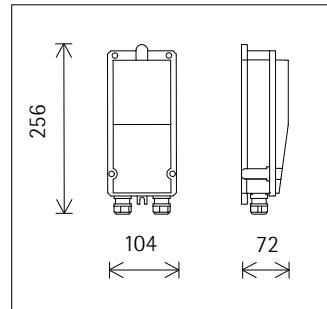
33958.000
 Coupling sleeve
 for max. 16mm cable diameter.
 Polymer conduit, two-part PUR-cast resin.
 ø 26mm, L 180mm.
 Weight 0.15kg
CE



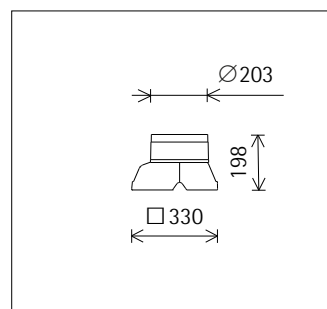
33959.000
 Branching sleeve
 for 8-23mm cable diameter.
 Polymer shell, two-part PUR cast resin.
 L 150mm, B 70mm, H 46mm.
 Weight 0.40kg
CE



56010.000
 Casambi DALI Gateway
 Enables the control of DALI luminaires via Casambi Bluetooth.
 Input voltage: 220-240V; 50/60Hz.
 Max. number of controllable luminaires: 25 (depending on the number of control gear units per luminaire. The data sheet of the luminaire specifies this information.)
 When assembled in the housing supplied, the gateway is protected against ingress of dust and strong jets of water (IP65).
 Setup of the gateway via Casambi app (Android/iOS) with Bluetooth Low Energy (BLE)-capable mobile devices. Operation only in Casambi Evolution networks.
 Outgoing DALI control lines must be designed for mains voltage.
 The gateway provides 4 DALI group addresses, enabling 4 monochrome luminaire groups to be dimmed. The luminaires are assigned to a DALI group address in the Casambi app.
 With tunable white luminaires, up to 3 luminaire groups can be dimmed differently. The luminaires are assigned to a DALI group address in the Casambi app. The colour temperature is set simultaneously for all connected luminaires via a broadcast command. No special settings or assignments are necessary to adjust the colour temperature.
 RGBW luminaires are automatically recognised by the gateway and controlled simultaneously via broadcast command; no special settings or assignments are necessary.
 Weight 0.47kg
CE



33299.000
 Recessed housing
 Polymer, black.
 4 cable entries.
 Load: 20kN.
 Weight 1.15kg



Accessories

**33296.000**

Mounting kit

Mounting in hollow floors.

3 mounting brackets: stainless steel.

Clamp extension 11-46mm.

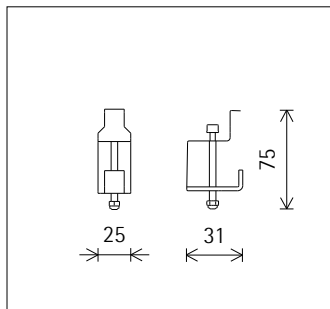
Load: 20kN.

Floor aperture:

Size 3: $\varnothing$ 164mmSize 4: $\varnothing$ 193mm

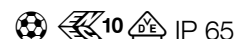
Weight 0.15kg

CE UK CA



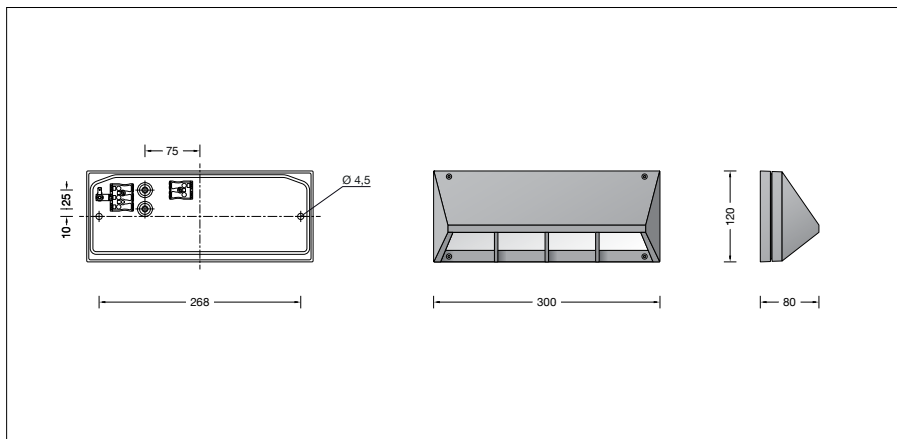
BEGA**22 385**

Wall luminaire



Project · Reference number

Date



Product data sheet

Application

Wall luminaire with directed light.
The light exit of the luminaire must only be installed directed downwards.

Lamp

Module connected wattage	11.8 W
Luminaire connected wattage	14.5 W
Module designation	LED-1480/83040
Colour rendering index	CRI > 80
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 50^\circ\text{C}$

The colour temperature of the luminaire can be set optionally to 3000 K (factory setting) and 4000 K.

Operation at colour temperature	3000 K
Module luminous flux	2155 lm
Luminaire luminous flux	1179 lm
Luminaire luminous efficiency	81,3 lm/W

Operation at colour temperature	4000 K
Module luminous flux	2260 lm
Luminaire luminous flux	1236 lm
Luminaire luminous efficiency	85,2 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	170,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	125,000 h (L 80 B 50)

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
Matt safety glass
Reflector made of pure anodised aluminium
Silicone gasket
2 mounting holes $\varnothing$ 4.5 mm
Distance apart 268 mm
2 cable entries for through-wiring of mains
supply cable $\varnothing$ 7-10.5 mm, max. 5 G 1.5[□]
Connection terminal 2.5[□]
Earth conductor connection
Complies with flicker requirements in
accordance with IEEE 1789,
DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V $\sim$ 0/50-60 Hz
DC 176-275 V
During DC operation the LED power
is reduced to 15 %

DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains
and control cables
BEGA Thermal Control®

Temporary thermal regulation to protect
temperature-sensitive components without
switching off the luminaire
Safety class I

⚡ Ballproof – The testing of ball impact safety
was carried out exclusively with handballs in
accordance with DIN 18032-3: 2018-11.
Protection class IP 65

Dust-tight and protection against water jets
Impact strength IK10

Protection against mechanical
impacts < 20 joule

⚡ – Safety mark

CE – Conformity mark

Weight: 1.6 kg

This product contains light sources of energy
efficiency class(es) C

Lighting technology

Luminaire data for the DIALux lighting design
program for outdoor lighting, street lighting
and indoor lighting, as well as luminaire data in
EULUMDAT and IES format are available on the
BEGA website at www.bega.com.

Inrush current

Inrush current: 5 A / 50 μs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 31 luminaires
B 16A: 50 luminaires
C 10A: 52 luminaires
C 16A: 85 luminaires

BEGA Constant Optics®

BEGA Constant Optics® is an efficient optical
system that is virtually impervious to wear and
tear. The durable materials used, including
glass, pure aluminium and silicone, show
no effects of ageing, even under extreme
conditions like high temperatures and UV
radiation.

Ratio of luminous flux

Luminous flux upper half-space	1,1 %
Luminous flux lower half-space	98,9 %

BUG rating according to IES TM-15-20:

1-1-0

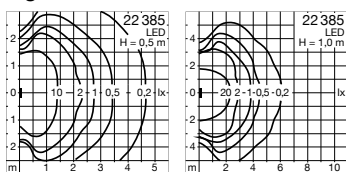
CEN Flux Code according to EN 13032-2:

58-87-97-99-100-0-0-14-1

Article No. 22 385

Colour graphite or silver
graphite – article number
silver – article number + A

Light distribution





Attachment B – Structural plan SK1 – Light pole plinth



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- ALL FASTENING HARDWARE TO BE HOT DIP GALVANIZED

SK1 P1SK1 P1