

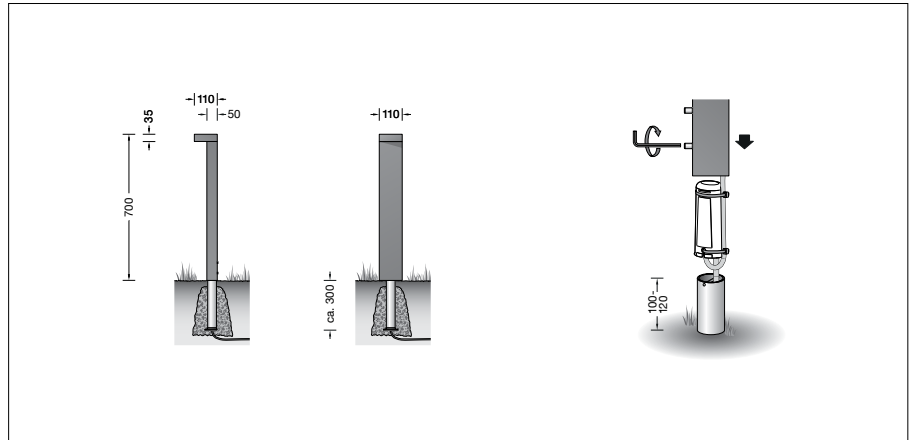
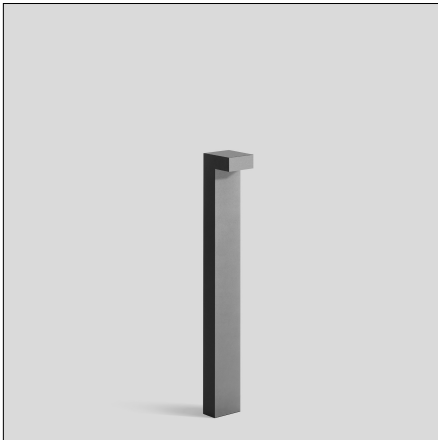
BEGA**84 218**

Garden and pathway luminaire



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
 Safety glass
 Silicone gasket
 Reflector surface made of pure aluminium
 Luminaire with anchorage unit for fixing in the soil
 The anchorage unit is made of galvanised steel according to EN ISO 1461
 Connection box with cable entries for through-wiring of mains supply cable
 \varnothing 6-11 mm max. $5 \times 2,5^2$
 BEGA Ultimate Driver®
 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 176-280 V
 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 IK08
 Protection against mechanical impacts < 5 joule
 – Safety mark
 – Conformity mark
 Weight: 3.4 kg
 This product contains light sources of energy efficiency class(es) D

Application

Garden and pathway luminaires with downward-directed light for effective lighting in private gardens.
 Luminaire for the uniform and glare-free illumination of ground surfaces.

Lamp

Module connected wattage 4 W
 Luminaire connected wattage 4.9 W
 Rated temperature $t_a = 25^\circ\text{C}$
 Ambient temperature $t_{a,max} = 50^\circ\text{C}$

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Module designation 2x LED-0234/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 690 lm
 Luminaire luminous flux 333 lm
 Luminaire luminous efficiency 68 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$
 LED psu: > 50,000h
 LED module: > 200,000h (L 80 B 50)
 100,000h (L 90 B 50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (100 %)

LED psu: 50,000h
 LED module: 160,000h (L 80 B 50)

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.

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.
 Recommended light point interval 6.5 m

Inrush current

Inrush current: 5 A / 40 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 50 luminaires
 B 16A: 50 luminaires
 C 10A: 80 luminaires
 C 16A: 80 luminaires

Ratio of luminous flux

Luminous flux upper half-space 0,3 %
 Luminous flux lower half-space 99,7 %

BUG rating according to IES TM-15-07:

0–0*–1

CEN Flux Code according to EN 13032-2:
 23–61–91–100–100

* The measured value above 90° including stray light (reflection on the luminaire housing) is U1. However, the luminaire does not emit direct light upwards - due to the upper luminous flux component (less than 0.5%), the value U0 is assigned. Further information on request.

Article No. 84 218

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

Light distribution