

BEGA**77 233**

Garden and pathway luminaire



Project · Reference number

Date

Product data sheet

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.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver

Clear impact resistant synthetic diffuser with optical structure
Silicone gasket

Luminaire with anchorage unit for fixing in the soil

The anchorage unit is made of galvanised steel according to EN ISO 1461

Connection set with gasket insert and drip-proof cap for through-wiring power connecting cables of \varnothing 10–13.5 mm, max. 3 G 2.5²

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 IK10

Protection against mechanical impacts < 20 joule

– Safety mark

– Conformity mark

Weight: 2.8 kg

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

Inrush current

Inrush current: 5 A / 40 μ s

Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A: 50 luminaires

B 16 A: 50 luminaires

C 10 A: 80 luminaires

C 16 A: 80 luminaires

Lamp

Module connected wattage 3.9 W

Luminaire connected wattage 4.8 W

Rated temperature $t_a = 25^\circ\text{C}$

Ambient temperature $t_{a\text{max}} = 50^\circ\text{C}$

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Module designation LED-1209/830

Colour temperature 3000 K

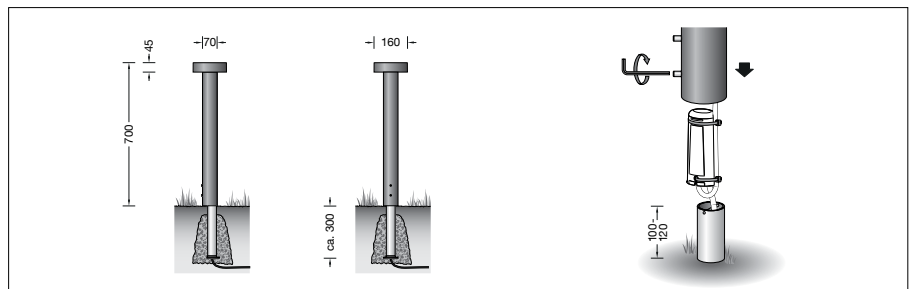
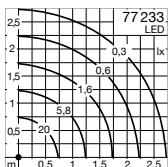
Colour rendering index CRI > 80

Module luminous flux 580 lm

Luminaire luminous flux 155 lm

Luminaire luminous efficiency 32,3 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$

LED psu: > 50,000 h

LED module: > 200,000 h (L 80 B 50)

100,000 h (L 90 B 50)

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

LED psu: 50,000 h

LED module: 175,000 h (L 80 B 50)

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 4.5 m

Ratio of luminous flux

Luminous flux upper half-space 0,2 %

Luminous flux lower half-space 99,8 %

BUG rating according to IES TM-15-07:

0–0*–0

CEN Flux Code according to EN 13032-2:

43–76–95–100–100

* 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.

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