

BEGA**84 108**

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.

Dark Sky

The light from this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. Less than 1 % of the luminaire luminous flux is emitted into the upper half-space of the luminaire.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Tricoat® coating technology
Safety glass 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

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 ~ 0/50-60 Hz

DC 176-280 V

BEGA Thermal Switch®

Temporary thermal shutdown to protect temperature-sensitive components

Safety class I

Protection class IP 65

Dust-tight and protection against water jets

Impact strength IK06

Protection against mechanical

impacts < 1 joule

– Safety mark

– Conformity mark

Weight: 3.5 kg

This product contains light sources of energy

efficiency class(es) C

Lamp

Module connected wattage 11.6 W

Luminaire connected wattage 13.6 W

Rated temperature $t_a = 25 \text{ °C}$

Ambient temperature $t_{a \text{ max}} = 45 \text{ °C}$

On request we can offer you modifications for environments with higher temperatures as a customized product.

84 108 K3

Module designation LED-0760/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 2255 lm

Luminaire luminous flux 851 lm

Luminaire luminous efficiency 62,6 lm/W

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 6m

Inrush current

Inrush current: 20 A / 80 μs

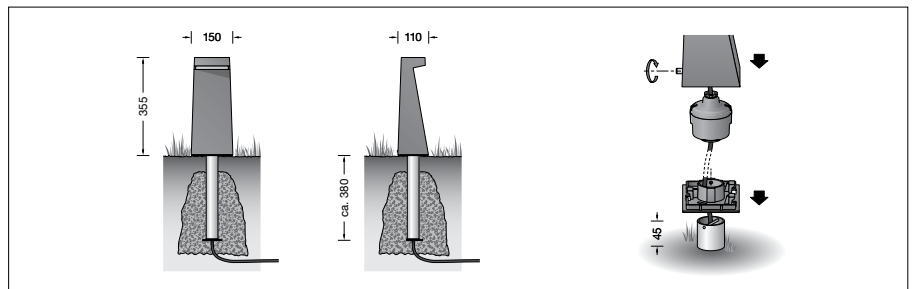
Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 35 luminaires

B 16A: 56 luminaires

C 10A: 58 luminaires

C 16A: 94 luminaires



Service life · Ambient temperature

Rated temperature $t_a = 25 \text{ °C}$

LED psu: > 50,000h

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

100,000h (L 90 B 50)

Ambient temperature max. $t_a = 45 \text{ °C}$ (100 %)

LED psu: 50,000h

LED module: 77,000h (L 80 B 50)

100,000h (L 70 B 50)

Ratio of luminous flux

Luminous flux upper half-space 0,4 %

Luminous flux lower half-space 99,6 %

BUG rating according to IES TM-15-07:

0 – 1 – 1

CEN Flux Code according to EN 13032-2:

34 – 70 – 93 – 100 – 100

BEGA Tricoat®

BEGA Tricoat® is a protected trademark for a technology that we use in order to achieve optimal corrosion resistance. These carefully coordinated inorganic and organic coating processes applied to extremely resistant alloys ensure the best possible surface protection and outstanding corrosion resistance.

Accessories

70 730 Distribution box for installation in soil with 7 cable entries
Connection terminals 5 x 4²

See the separate instructions for use.

Article No. 84 108

Colour graphite or silver

graphite – article number

silver – article number + **A**