

BEGA**77 008**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

LED in-ground luminaire with asymmetrical light distribution directed upwards for accentuated illumination of private gardens.

Luminaire resistant to foot traffic for flush installation in soil, lawn or gravel.

Luminaire must not be overrun by vehicles.

The used LED technique offers durability and optimal light output with low power consumption at the same time.

Product description

Luminaire housing made of glass-fibre reinforced polyamide synthetic

Cover ring made of stainless steel

Steel grade no. 1.4301

Clear safety glass

Silicone gasket

Reflector made of pure anodised aluminium

1,8 m water-resistant connecting cable

H07RN8-F 3 G 1,5² with implemented water stopper and 1.2 m PVC cable conduit

LED power supply unit

220-240 V ~ 0/50-60 Hz

DC 176-264 V

Safety class I

Protection class IP 67

Dust-tight and protection against temporary immersion

Impact strength IK10

Protection against mechanical

impacts < 20 joule

– Safety mark

CE – Conformity mark

Weight: 0.85 kg

Inrush current

Inrush current: 6 A / 133 μs

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

B 10 A: 93 luminaires

B 16 A: 150 luminaires

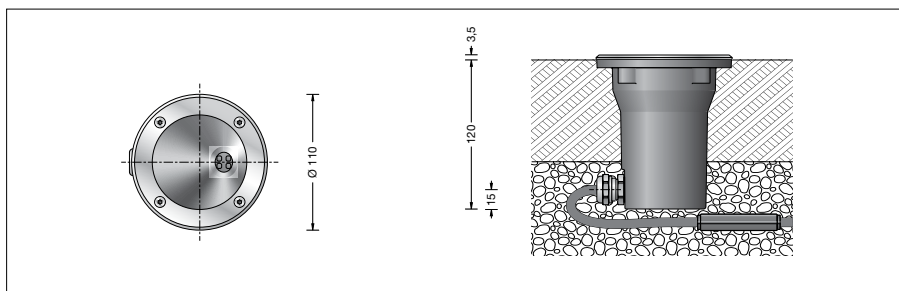
C 10 A: 156 luminaires

C 16 A: 250 luminaires

Lighting technology

Half beam angle 42°.

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



Lamp

Module connected wattage

3 W

Luminaire connected wattage

4.3 W

Rated temperature

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

Ambient temperature

$t_{a\text{ max}} = 55^\circ\text{C}$

Module designation

LED-0488/930

Colour temperature

3000 K

Colour rendering index

$R_a > 90$

Module luminous flux

445 lm

Luminaire luminous flux

318 lm

Luminaire luminous efficiency

74 lm/W

Lifetime of the LED

Ambient temperature $t_a = 15^\circ\text{C}$

– at 50,000 h: L90B10

– at > 500,000 h: L70B50

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

– at 50,000 h: L90B10

– at 463,000 h: L70B50

max. ambient temperature $t_a = 55^\circ\text{C}$

– at 50,000 h: L80B50

– at 77,000 h: L70B50

Accessories

70 730 Distribution box

The distribution box is meant for installation in the soil and allows a junction from the supply cable to the luminaire and through-wiring to the next luminaire.

After the electrical connection the distribution box is filled up with gel and closed.

Light distribution

