

BEGA**84 089**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

In-ground luminaire with symmetrical 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.

Product description

Luminaire housing made of glass-fibre reinforced synthetic
Cover frame made of stainless steel, steel grade number 1.4301
Clear safety glass
Reflector surface made of pure aluminium
1,8 m water-resistant connecting cable
07RN8-F 3G1[□] with implemented water stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
Safety class I
Protection class IP 67
Dust-tight and protection against temporary immersion
Pressure load 150 kg (~1,500 N)
Impact strength IK09
Protection against mechanical impacts < 10 joule
 – Safety mark
 – Conformity mark
Weight: 1.6 kg
This product contains light sources of energy efficiency class(es) D

Lighting technology

Half beam angle 80/95°
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 our website at www.bega.com.

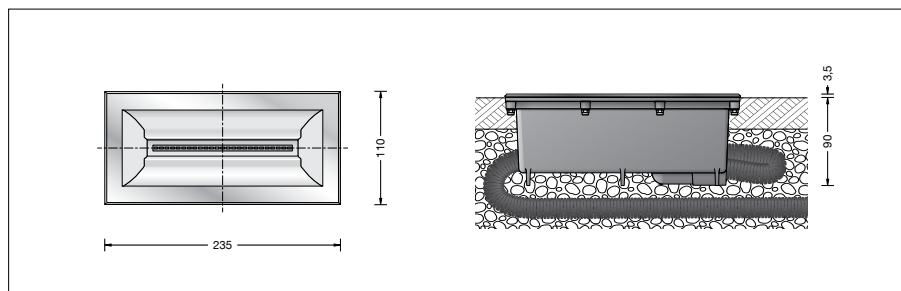
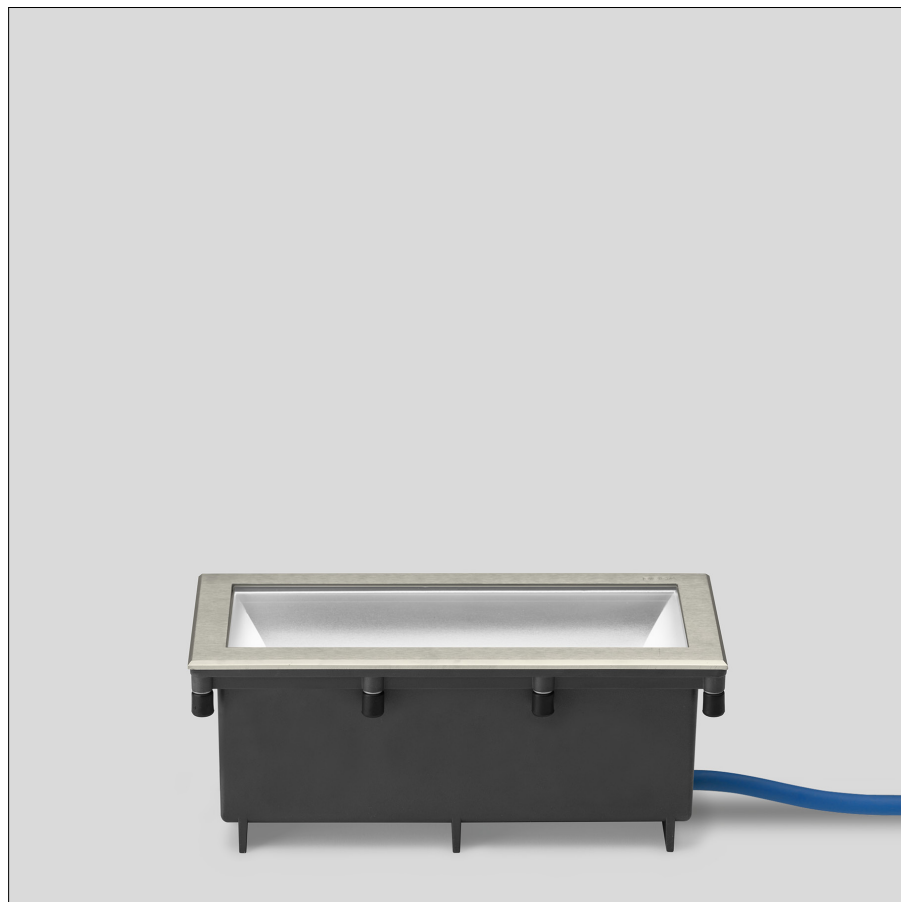
Lamp

Module connected wattage	6.1 W
Luminaire connected wattage	7.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 25\text{ °C}$

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

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Module designation	LED-0392/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	945 lm
Luminaire luminous flux	466 lm
Luminaire luminous efficiency	64,7 lm/W



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L80B50)
100,000 h (L90B50)

Ambient temperature max. $t_a = 45\text{ °C}$ (100 %)
LED psu: 50,000 h
LED module: > 200,000 h (L80B50)
100,000 h (L90B50)

Inrush current

Inrush current: 11.3 A / 112 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 34 luminaires
B 16 A: 55 luminaires
C 10 A: 57 luminaires
C 16 A: 92 luminaires

Accessories

70730 Distribution box for installation in soil with 7 cable entries
Connection terminals 5 x 4[□]

A separate instructions for use can be provided upon request.

Light distribution

