

**BEGA****84 091**

In-ground luminaire



Project · Reference number

Date

## Product data sheet

### Application

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.

### 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 3 G 1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit  
BEGA Ultimate Driver<sup>®</sup>  
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  
Pressure load 150 kg (~1,500 N)  
Impact strength IK09  
Protection against mechanical impacts < 10 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 1.6 kg

### Inrush current

Inrush current: 11 A / 112 µs  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 34 luminaires  
B 16A: 55 luminaires  
C 10A: 57 luminaires  
C 16A: 92 luminaires

### Lamp

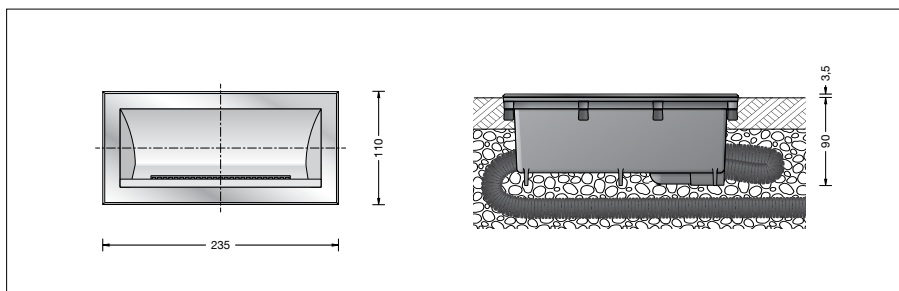
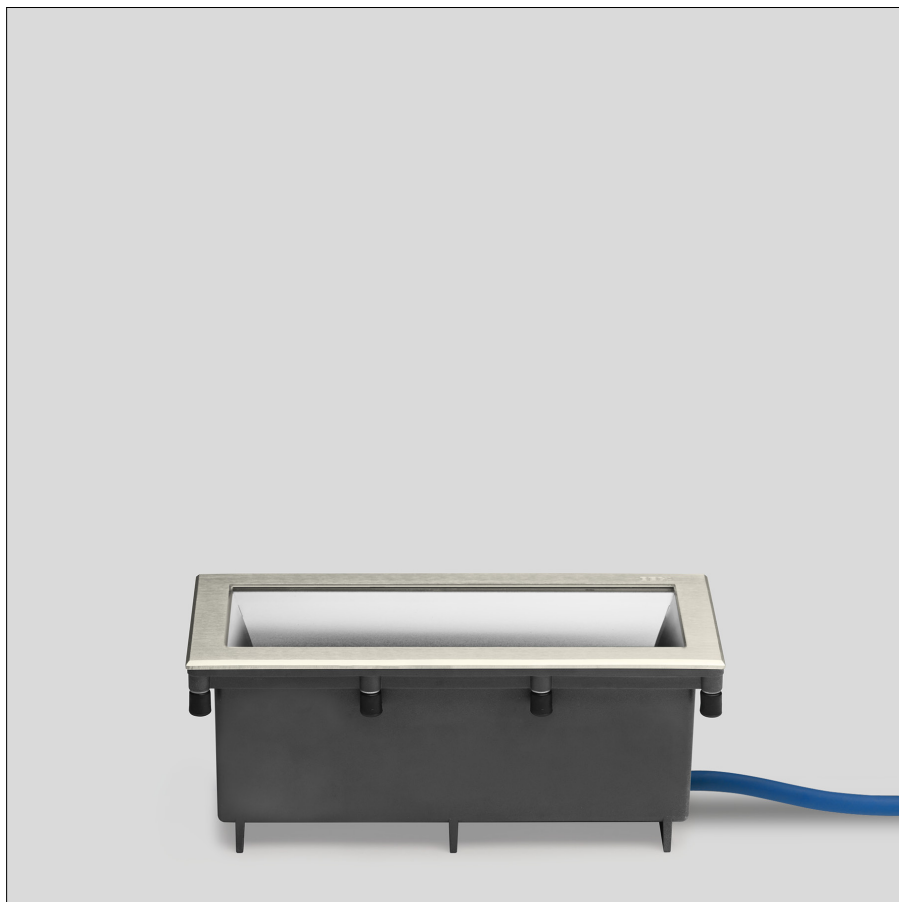
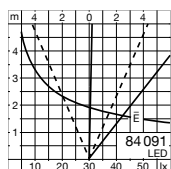
Module connected wattage	6.1 W
Luminaire connected wattage	7.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 25\text{ °C}$

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

### 84 091 K3

Module designation	LED-0392/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	945 lm
Luminaire luminous flux	456 lm
Luminaire luminous efficiency	63,3 lm/W

### Light distribution



### Service life · Ambient temperature

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

Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

### Lighting technology

Half beam angle 53/106°  
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 our website [www.bega.com](http://www.bega.com).

### Accessories

Distribution box for installation in soil  
**70 730** Distribution box with 7 cable entries  
Connection terminals 5 x 4<sup>□</sup>  
**71 053** Distribution box with 10 cable entries  
Connection terminals 6 x 16<sup>□</sup>

A separate instructions for use can be provided upon request.