

BEGA**84 087**

In-ground luminaire

IP 67

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.

Product description

Luminaire housing made of

glass-fibre reinforced synthetic

Cover ring made of stainless steel

Steel grade no. 1.4301

Clear safety glass

Reflector surface made of pure aluminium

1,8 m water-resistant connecting cable

07RN8-F 3 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit

LED power supply unit

220-240 V \sim 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

CE – Conformity mark

Weight: 1.2 kg

Lamp

Module connected wattage 4.8 W

Luminaire connected wattage 5.9 W

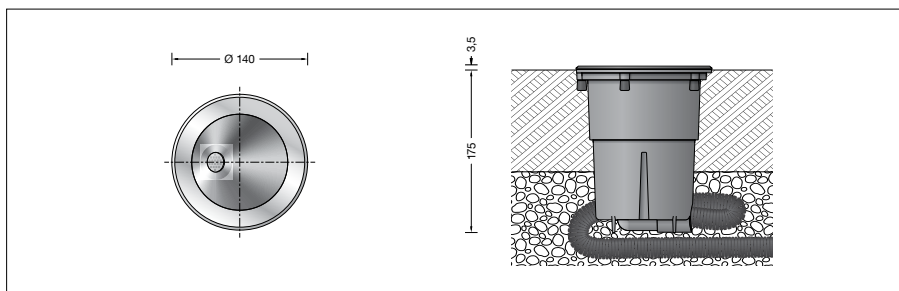
Rated temperature $t_a = 25\text{ °C}$

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.

**84 087 K3**

Module designation LED-0336/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 940 lm

Luminaire luminous flux 685 lm

Luminaire luminous efficiency 116,1 lm/W

Service life · Ambient temperature

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

LED psu: > 50,000h

LED module: > 200,000h (L80 B50)

100,000h (L90 B50)

Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$ (100 %)

LED psu: 50,000h

LED module: 121,000h (L80 B50)

Lighting technology

Half beam angle 31 °

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.

Inrush current

Inrush current: 7 A / 112 μs

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

B 10A: 38 luminaires

B 16A: 61 luminaires

C 10A: 64 luminaires

C 16A: 102 luminaires

Accessories

Distribution box for installation in soil

70 730 Distribution box with 7 cable entries

Connection terminals $5 \times 4\text{ }^{\square}$

71 053 Distribution box with 10 cable entries

Connection terminals $6 \times 16\text{ }^{\square}$

A separate instructions for use can be provided upon request.

Light distribution