

BEGA**84 090**

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 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[□] 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 IK08

Protection against mechanical impacts < 5 joule

CE – Conformity mark

Weight: 0.95 kg

Inrush current

Inrush current: 7 A / 112 μ s

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

Lamp

Module connected wattage 4.1 W

Luminaire connected wattage 5.2 W

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

Ambient temperature $t_{a\text{ max}} = 35\text{ }^\circ\text{C}$

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

84 090 K3

Module designation LED-0394/830

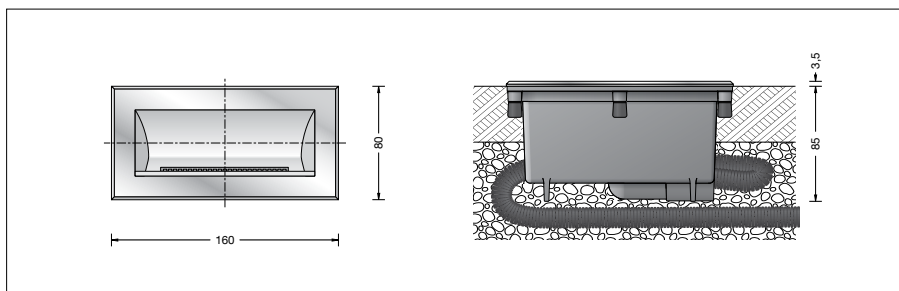
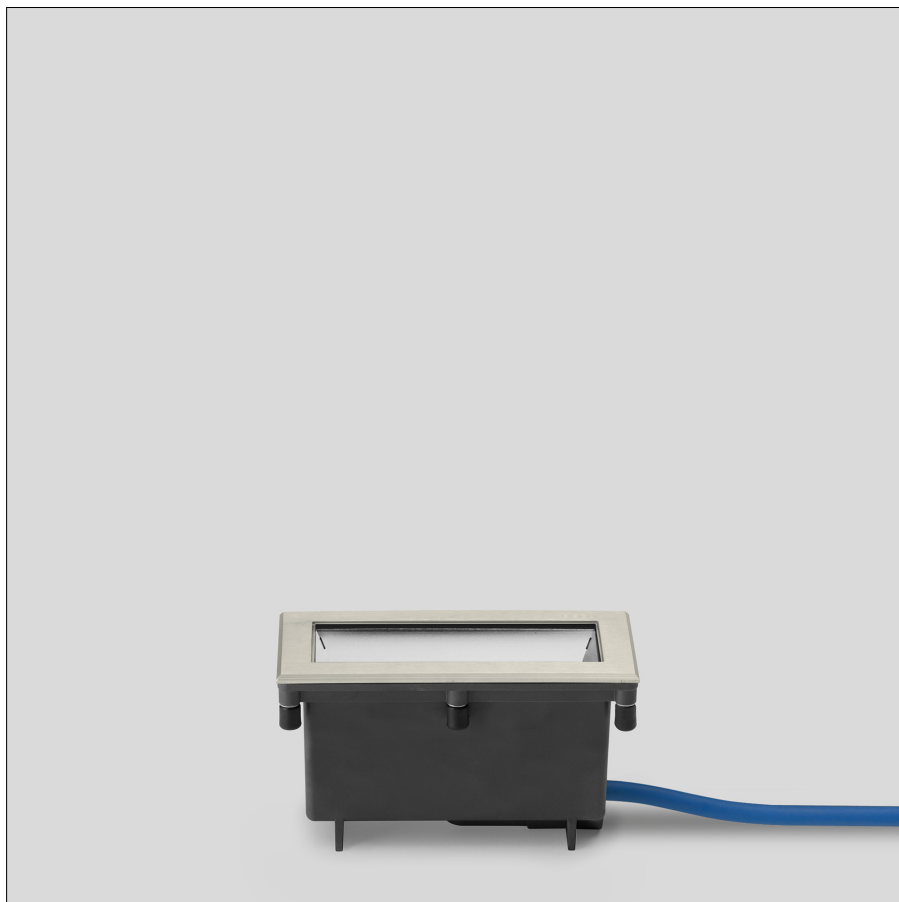
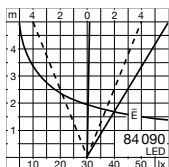
Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 630 lm

Luminaire luminous flux 313 lm

Luminaire luminous efficiency 60,2 lm/W

Light distribution**Service life · Ambient temperature**

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

LED psu: > 50,000 h

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

100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{ max}} = 35\text{ }^\circ\text{C}$ (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 49/110 $^\circ$

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.

Accessories

Distribution box for installation in soil

70 730 Distribution box with 7 cable entries

Connection terminals 5 x 4 $^\square$

71 053 Distribution box with 10 cable entries

Connection terminals 6 x 16 $^\square$

A separate instructions for use can be provided upon request.