

**BEGA****84 111**

In-ground luminaire

IP 67

Project · Reference number

Date

**Product data sheet****Application**

LED 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.

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 frame made of stainless steel

Steel grade number 1.4301

Clear safety glass

Silicone gasket

Reflector made of pure anodised aluminium

1,8 m water-resistant connecting cable

H07RN8-F 3G 1,5<sup>□</sup> 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

Safety class I

Protection class IP 67

Dust-tight and protection against temporary immersion

Impact strength IK07

Protection against mechanical impacts < 2 joule

CE – Conformity mark

Weight: 0.95 kg

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**Inrush current**

Inrush current: 6 A / 133  $\mu$ s

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

B 10A: 93 luminaires

B 16A: 150 luminaires

C 10A: 156 luminaires

C 16A: 250 luminaires

**Lamp**

Module connected wattage 5.5 W

Luminaire connected wattage 7.5 W

Rated temperature  $t_a = 25$  °C

Ambient temperature  $t_{a,max} = 30$  °C

Module designation LED-0394/830

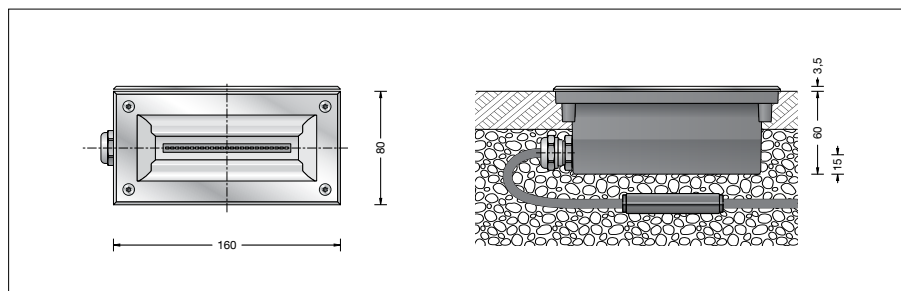
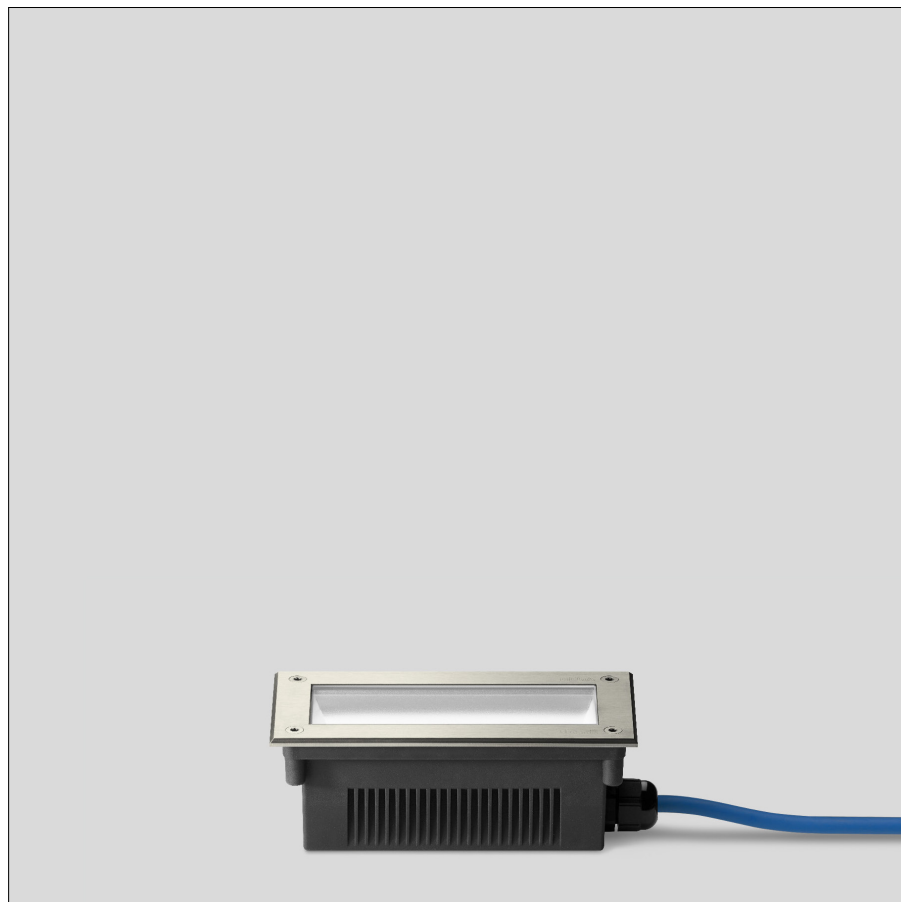
Colour temperature 3000 K

Colour rendering index  $R_a > 80$

Module luminous flux 575 lm

Luminaire luminous flux 344 lm

Luminaire luminous efficiency 45,9 lm/W

**Lifetime of the LED**

Ambient temperature  $t_a = 15$  °C

– at 50,000 h: L 70 B 10

– at 67,000 h: L 70 B 50

Ambient temperature  $t_a = 25$  °C

– at 50,000 h: L 70 B 10

– at 60,000 h: L 70 B 50

max. ambient temperature  $t_a = 30$  °C

– at 50,000 h: L 70 B 10

– at 58,000 h: L 70 B 50

**Lighting technology**

Half beam angle 93/103°.

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](http://www.bega.com).

**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**