

BEGA**84 090**

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[□] 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 IK08
Protection against mechanical impacts < 5 joule
 – Safety mark
CE – Conformity mark
Weight: 0.95 kg

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

Lamp

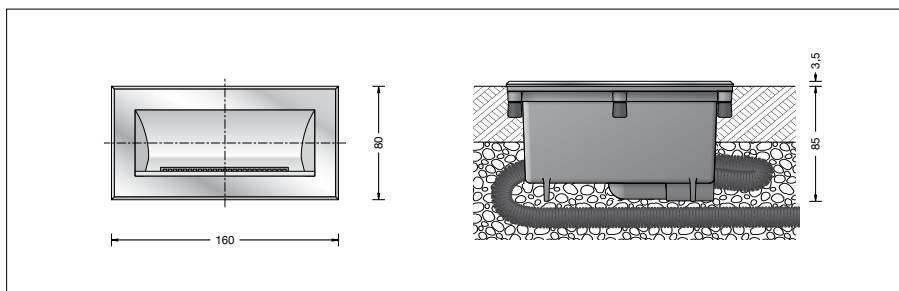
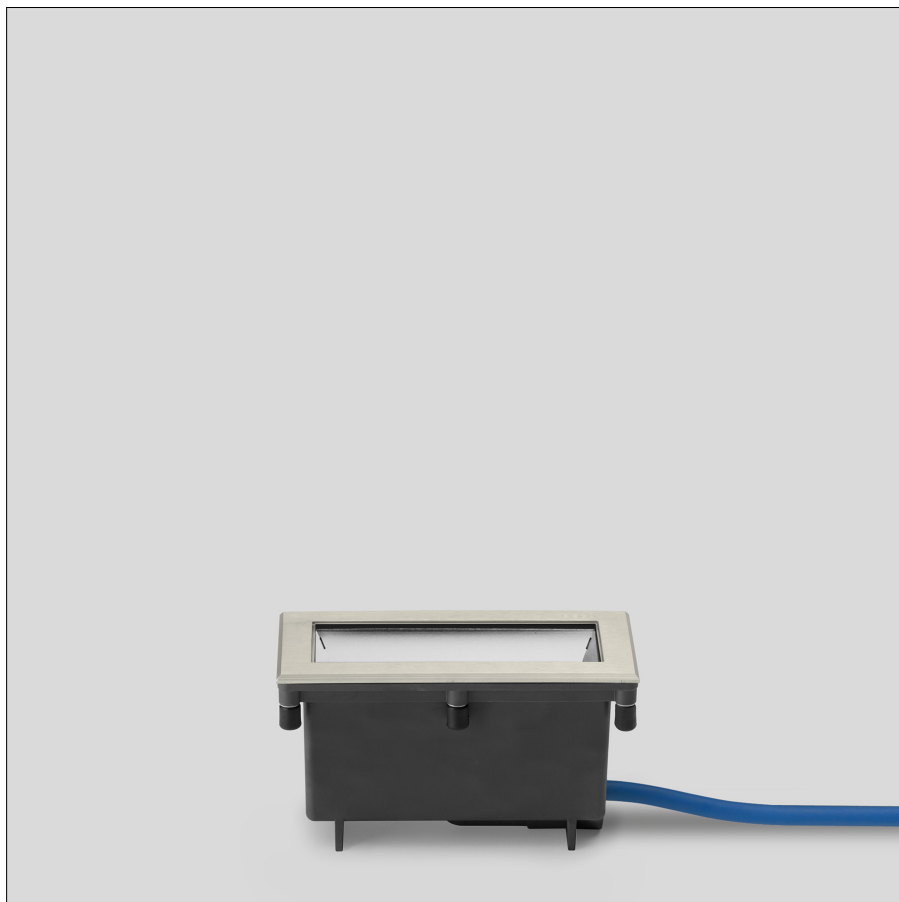
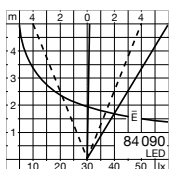
Module connected wattage	4.1 W
Luminaire connected wattage	5.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ °C}$

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

Ambient temperature $t_{a\text{ max}} = 35\text{ °C}$ (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°
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[□]
71 053 Distribution box with 10 cable entries
Connection terminals 6 x 16[□]

A separate instructions for use can be provided upon request.