

BEGA**84 454**

In-ground luminaire

IP 67

Project · Reference number

Date

Product data sheet

Application

Recessed LED location luminaire for recessed mounting in compacted surfaces, paths and open areas. Drive-over luminaire for vehicles with pneumatic tyres.

Please note:

Luminaire must not be used for installation in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.

For walk-through public areas, we recommend skid-blocking glass

– see accessories.

Product description

Luminaires and installation housings made of highly corrosion-resistant aluminium
BEGA Tricoat® coating technology
Ring made of glass fibre reinforced synthetic material

Cover ring made of stainless steel

Steel grade no. 1.4301

Safety glass, white

Recess housing with cable entry for cable conduit, max \varnothing 20 mm

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

Safety class I

Protection class IP 67

Dust-tight and protection against temporary immersion

Pressure load 5,000 kg (~50 kN)

CE – Conformity mark

Weight: 5.6 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 3.9 W

Luminaire connected wattage 5 W

Rated temperature $t_a = 25$ °C

Ambient temperature $t_{a \max} = 50$ °C

When installed in heat-insulating material $t_{a \max} = 45$ °C

84 454 K3

Module designation LED-0794/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 750 lm

Luminaire luminous flux 279 lm

Luminaire luminous efficiency 55,8 lm/W

84 454 K4

Module designation LED-0794/840

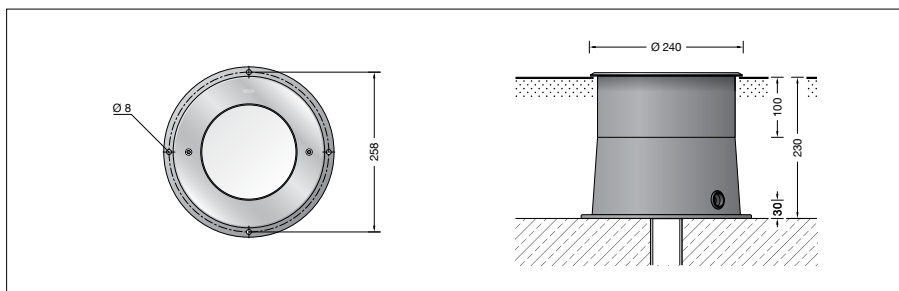
Colour temperature 4000 K

Colour rendering index CRI > 80

Module luminous flux 770 lm

Luminaire luminous flux 286 lm

Luminaire luminous efficiency 57,2 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25$ °C

LED psu: > 50,000 h

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

100,000 h (L 90 B 50)

Ambient temperature $t_{a \max} = 50$ °C (100 %)

LED psu: 50,000 h

LED module: 95,000 h (L 80 B 50)

100,000 h (L 70 B 50)

Light technique

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page www.bega.com.

Article No. 84 454

LED colour temperature optionally 3000 K or 4000 K

3000 K – Article number + **K3**

4000 K – Article number + **K4**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

Accessories

14001403R Skid-blocking glass in accordance with EN ISO 51130 R13

Surface abrasion in accordance with EN ISO 10545-7:

Category II

Anti-slip protection in accordance with DIN 51097 Class C

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.