

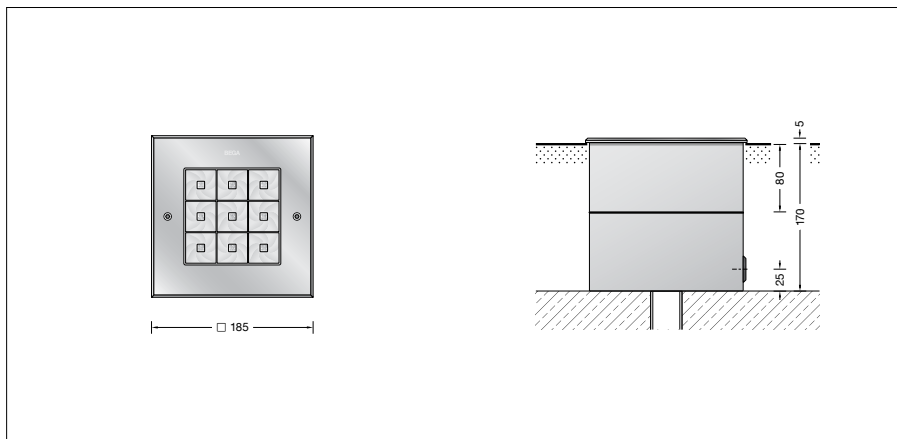
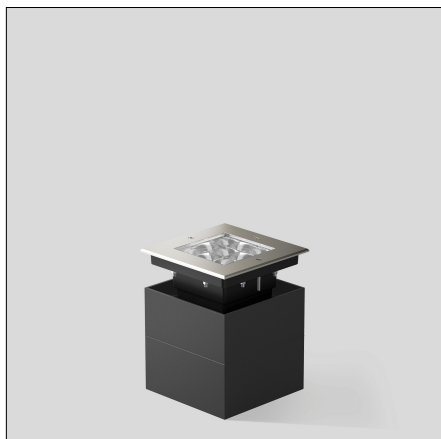
**BEGA****84 283**

In-ground luminaire

IP 67

Project · Reference number

Date



## Product data sheet

**Application**

LED floodlight with symmetrical wide beam light distribution. For recessed mounting in compacted surfaces, paths and places. 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  
Frame made of glass fibre reinforced synthetic material

Cover frame made of stainless steel, steel grade number 1.4301

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

Clear safety glass

1,8 m water-resistant connecting cable 07RN8-F 5 G 1<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 176-276 V

DALI controllable

A basic isolation exists between power cable and control line

Safety class I

Protection class IP 67

Dust-tight and protection against temporary immersion

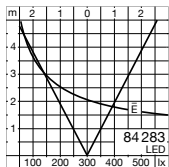
Pressure load 5,000 kg (~50 kN)

Impact strength IK10

Protection against mechanical impacts < 20 joule

CE – Conformity mark

Weight: 5,4 kg

**Light distribution****Lamp**

Module connected wattage 16.7 W  
Luminaire connected wattage 19 W  
Rated temperature  $t_a = 25\text{ }^\circ\text{C}$   
Ambient temperature  $t_{a\text{max}} = 45\text{ }^\circ\text{C}$

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

**84 283 K3**

Module designation LED-0999/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 3090 lm  
Luminaire luminous flux 1795 lm  
Luminaire luminous efficiency 94,5 lm/W

**84 283 R K3**

Module designation LED-0999/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 3090 lm  
Luminaire luminous flux 1473 lm  
Luminaire luminous efficiency 77,5 lm/W

**84 283 K4**

Module designation LED-0999/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 3265 lm  
Luminaire luminous flux 1897 lm  
Luminaire luminous efficiency 99,8 lm/W

**84 283 R K4**

Module designation LED-0999/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 3265 lm  
Luminaire luminous flux 1556 lm  
Luminaire luminous efficiency 81,9 lm/W

**Service life · Ambient temperature**

Rated temperature  $t_a = 25\text{ }^\circ\text{C}$   
LED psu: > 50,000 h  
LED module: 200,000 h (L80B50)

Ambient temperature  $t_{a\text{max}} = 45\text{ }^\circ\text{C}$  (100 %)

LED psu: 50,000 h  
LED module: 185,000 h (L80B50)

**Inrush current**

Inrush current: 12 A / 24.2  $\mu\text{s}$   
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 50 luminaires  
B 16A: 50 luminaires  
C 10A: 50 luminaires  
C 16A: 50 luminaires

**Lighting technology**

Half beam angle 39°  
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](http://www.bega.com).

**Article No. 84 283**

LED colour temperature optionally 3000K or 4000K

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**

**14001410R** 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<sup>□</sup>

**71 053** Distribution box with 10 cable entries  
Connection terminals 6 x 16<sup>□</sup>

A separate instructions for use can be provided upon request.