

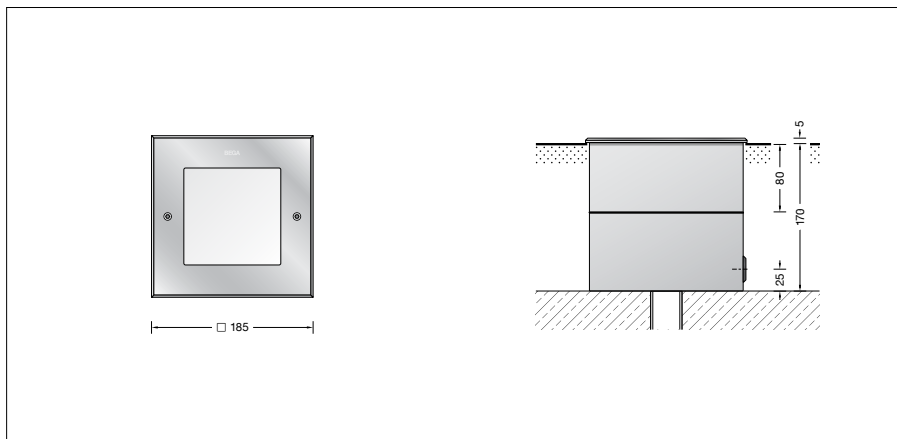
BEGA**84 286**

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
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 ø 20 mm

Safety glass, white

1,8 m water-resistant connecting cable 07RN8-F 3G 1[□] with implemented water stopper and 1.2 m PVC cable conduit

LED power supply unit

220-240 V ~ 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)

Impact strength IK10

Protection against mechanical

impacts < 20 joule

CE – Conformity mark

Weight: 5.2 kg

Lamp

Module connected wattage	2.8 W
Luminaire connected wattage	3.9 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 50\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 50\text{ °C}$

84 286 K3

Module designation	LED-0356/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	580 lm
Luminaire luminous flux	241 lm
Luminaire luminous efficiency	61,8 lm/W

84 286 R K3

Module designation	LED-0356/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	580 lm

84 286 K4

Module designation	LED-0356/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	595 lm
Luminaire luminous flux	248 lm
Luminaire luminous efficiency	63,6 lm/W

84 286 R K4

Module designation	LED-0356/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	595 lm

Service life · Ambient temperature

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

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

LED psu:	50,000h
LED module:	> 200,000h (L 80 B 50) 100,000h (L 90 B 50)

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

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. 84 286

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

14001424R 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.