

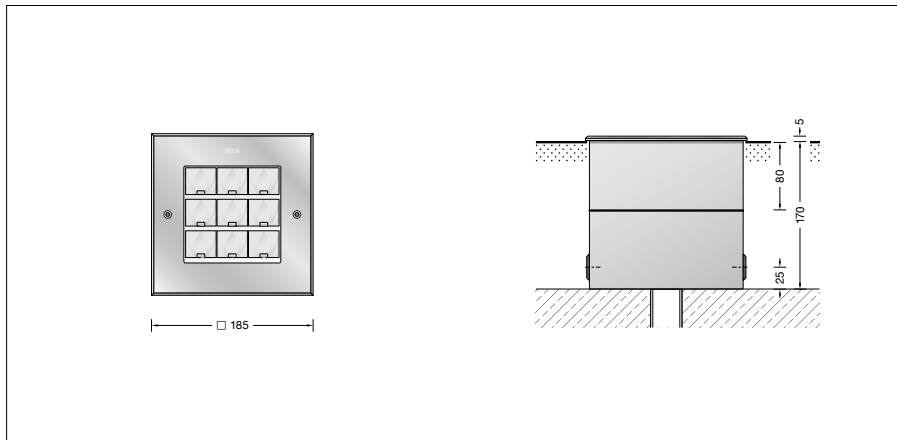
BEGA**84 277**

In-ground luminaire

IP 67

Project · Reference number

Date



Product data sheet

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

Reflector surface made of pure aluminium BEGA Vortex Optics®

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

DALI controllable

A basic isolation exists between power cable and control line

BEGA Thermal Control®

Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire

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

Application

LED floodlight with asymmetrical 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.

Lamp

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

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

84 277 K3

Module designation	LED-0999/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3090 lm
Luminaire luminous flux	1549 lm
Luminaire luminous efficiency	81,5 lm/W

84 277 R K3

Module designation	LED-0999/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3090 lm
Luminaire luminous flux	1182 lm
Luminaire luminous efficiency	62,2 lm/W

84 277 K4

Module designation	LED-0999/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3265 lm
Luminaire luminous flux	1637 lm
Luminaire luminous efficiency	86,2 lm/W

84 277 R K4

Module designation	LED-0999/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3265 lm
Luminaire luminous flux	1249 lm
Luminaire luminous efficiency	65,7 lm/W

Inrush current

Inrush current: 12 A / 24.2 μs

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 46/53°

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.

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$

LED psu: > 50,000 h

LED module: 200,000 h (L.80 B50)

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

LED psu: 50,000 h

LED module: 185,000 h (L.80 B50)

Article No. 84 277

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

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[□]

71 053 Distribution box with 10 cable entries

Connection terminals 6 x 16[□]

A separate instructions for use can be provided upon request.

Light distribution