

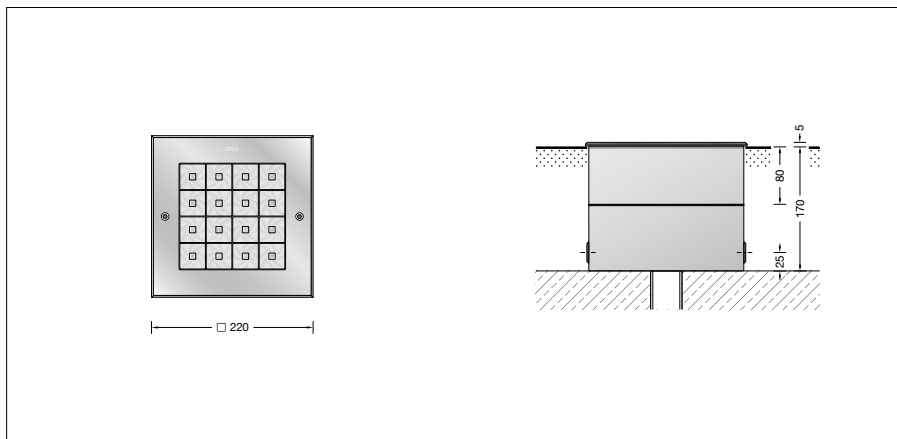
BEGA**84 284**

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 5 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 170-280 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: 7.2 kg

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.

Lamp

Module connected wattage 31.4 W

Luminaire connected wattage 35.3 W

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

Ambient temperature $t_{a,max} = 40\text{ }^\circ\text{C}$

84 284 K3

Module designation LED-1020/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 5780 lm

Luminaire luminous flux 3292 lm

Luminaire luminous efficiency 93,3 lm/W

84 284 K4

Module designation LED-1020/840

Colour temperature 4000 K

Colour rendering index CRI > 80

Module luminous flux 6105 lm

Luminaire luminous flux 3477 lm

Luminaire luminous efficiency 98,5 lm/W

Service life · Ambient temperature

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

LED psu: > 50,000h

LED module: 195,000h (L80B50)

Ambient temperature $t_{a,max} = 40\text{ }^\circ\text{C}$ (100 %)

LED psu: 50,000h

LED module: 180,000h (L80B50)

Inrush current

Inrush current: 5 A / 50 μs

Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 31 luminaires

B 16A: 50 luminaires

C 10A: 52 luminaires

C 16A: 85 luminaires

Lighting technology

Half beam angle 43°

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.

Article No. 84 284

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

14001408R 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

