

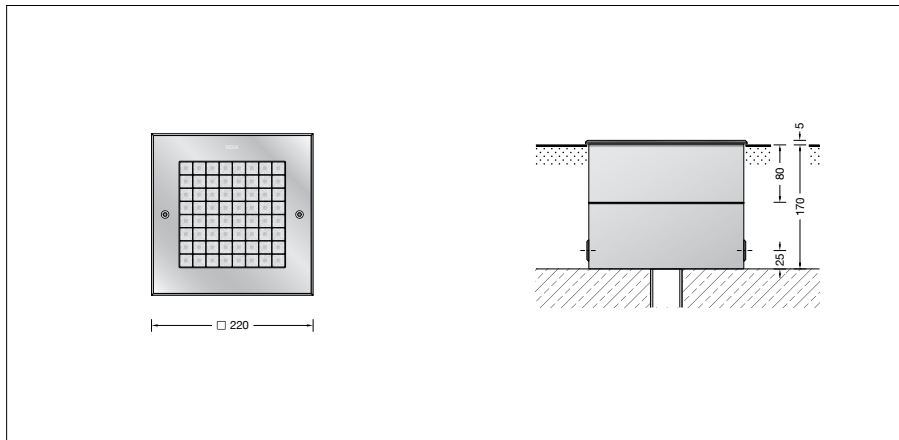
**BEGA****84 281**

In-ground luminaire



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<sup>□</sup> with implemented water  
stopper and 1.2 m PVC cable conduit

LED power supply unit  
220-240 V ~ 0/50-60 Hz

DC 196-250 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

– Safety mark

Weight: 7.3 kg

This product contains light sources of energy  
efficiency class(es) C

### Application

Floodlight with symmetrical narrow 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	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 30\text{ °C}$

### 84 281 K3

Module designation	LED-1019/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5780 lm
Luminaire luminous flux	2588 lm
Luminaire luminous efficiency	73,3 lm/W

### 84 281 K4

Module designation	LED-1019/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6105 lm
Luminaire luminous flux	2733 lm
Luminaire luminous efficiency	77,4 lm/W

### Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	195,000 h (L 80 B50)

Ambient temperature max.  $t_a = 30\text{ °C}$  (100 %)

LED psu:	50,000 h
LED module:	190,000 h (L 80 B50)

### Inrush current

Inrush current: 5 A / 50  $\mu$ s

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 20°

Luminaire data for the DIALux lighting design  
program for outdoor lighting, street lighting  
and indoor lighting, as well as luminaire data in  
EULUMDAT and IES format are available on our  
website at [www.bega.com](http://www.bega.com).

### Article No. 84 281

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

**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

**70730** Distribution box for installation in soil  
with 7 cable entries  
Connection terminals 5 x 4<sup>□</sup>

A separate instructions for use can be provided  
upon request.

### Light distribution

