

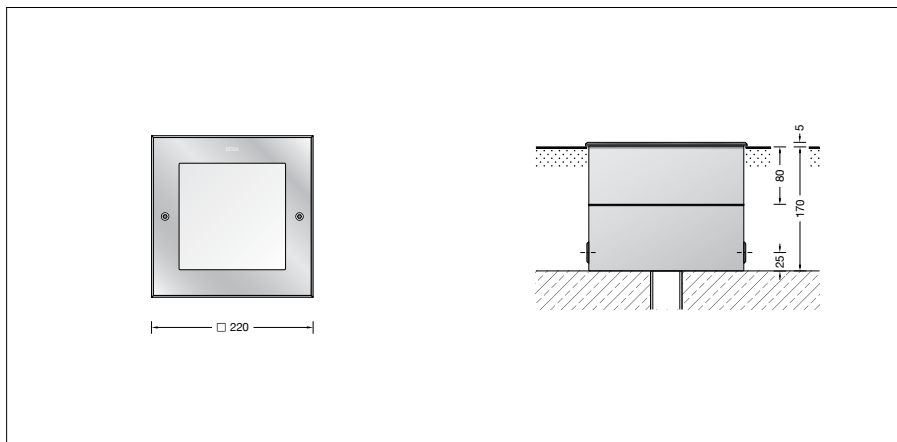
BEGA**84 287**

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 entries for cable conduit, max \varnothing 20 mm

Safety glass, white

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

BEGA Ultimate Driver®

LED power supply unit

220-240 V \sim 0/50-60 Hz

DC 176-264 V

Safety class I

Protection class IP 68 10 m

Dust-tight and water pressure tight

Maximum submersion depth 10 m

Pressure load 5,000 kg (~50 kN)

Impact strength IK10

Protection against mechanical impacts < 20 joule

Maximum surface temperature 20 °C

(measured according to EN 60598 of t_a 15 °C)

– Safety mark

– Conformity mark

Weight: 6.9 kg

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

Application

Recessed 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.

Lamp

Module connected wattage	3.7 W
Luminaire connected wattage	4.8 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 50$ °C
When installed in heat-insulating material	$t_{a \max} = 45$ °C

84 287 K27

Module designation	LED-0634/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	755 lm
Luminaire luminous flux	321 lm
Luminaire luminous efficiency	66,9 lm/W

84 287 K3

Module designation	LED-0634/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	780 lm
Luminaire luminous flux	332 lm
Luminaire luminous efficiency	69,2 lm/W

84 287 K4

Module designation	LED-0634/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	810 lm
Luminaire luminous flux	345 lm
Luminaire luminous efficiency	71,9 lm/W

Inrush current

Inrush current: 7.8 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

Lighting technology

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 the BEGA website at www.bega.com.

Service life · Ambient temperature

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

Ambient temperature max. $t_a = 50$ °C (100 %)

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

BEGA Tricoat®

BEGA Tricoat® is a protected trademark for a technology that we use in order to achieve optimal corrosion resistance. These carefully coordinated inorganic and organic coating processes applied to extremely resistant alloys ensure the best possible surface protection and outstanding corrosion resistance.

Accessories

14001409R 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

70 730 Distribution box for installation in soil with 7 cable entries
 Connection terminals 5 x 4[□]

A separate instructions for use can be provided upon request.

Article No. 84 287

LED colour temperature optionally 2700 K, 3000 K or 4000 K
 2700 K – Article number + **K27**
 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.