

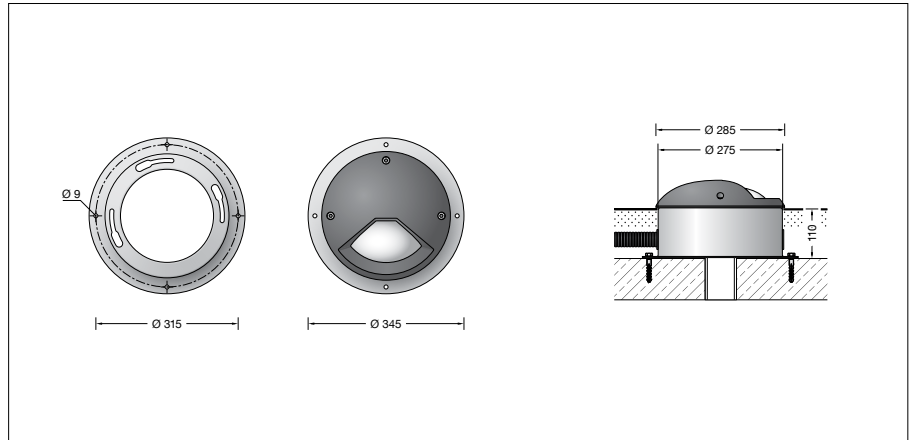
**BEGA****84 618**

In-ground floodlight



Project · Reference number

Date



## Product data sheet

### Application

In-ground floodlight · Wall washer  
The design of this in-ground floodlight makes it possible to fully illuminate a vertical surface, e.g. a façade, from the ground to the lower edge of the roof. The lower limit of the light distribution is a straight line, without the usual "light cone". The luminaires can be driven over by 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.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
BEGA Tricoat® coating technology  
Recess housing made of stainless steel (Steel grade no. 1.4301) with 2 cable entries for cable conduit, max. Ø 30 mm  
Hardened crystal glass  
Reflector surface made of pure aluminium  
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  
BEGA Ultimate Driver®  
LED power supply unit  
220-240 V ~ 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 1,000 kg (~10 kN)  
Impact strength IK10  
Protection against mechanical impacts < 20 joule  
Maximum surface temperature 40 °C (measured according to EN 60598 of ta 15 °C)  
**CE** – Conformity mark  
 – Safety mark  
Weight: 6.3 kg  
This product contains light sources of energy efficiency classes C

### Lamp

Module connected wattage 24 W  
Luminaire connected wattage 27 W  
Rated temperature  $t_a = 25\text{ °C}$   
Ambient temperature  $t_{a\text{ max}} = 30\text{ °C}$

#### 84 618 K3

Module designation 3x LED-0897/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 4185 lm  
Luminaire luminous flux 2626 lm  
Luminaire luminous efficiency 97,3 lm/W

#### 84 618 K4

Module designation 3x LED-0897/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 4245 lm  
Luminaire luminous flux 2663 lm  
Luminaire luminous efficiency 98,6 lm/W

### Service life · Ambient temperature

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

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

LED psu: 50,000 h  
LED module: 147,000 h (L 80 B 50)

### Light technique

In-ground floodlight with wide beam asymmetrical light distribution.  
Particularly suitable for floodlighting objects with high uniformity.  
German patent DE 199 188 72  
The values of the charts show approximate value E on the illuminated surface.

### Inrush current

Inrush current: 1.2 A / 46 µs  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 50 luminaires  
B 16A: 80 luminaires  
C 10A: 50 luminaires  
C 16A: 80 luminaires

### 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.

### Article No. 84 618

LED colour temperature optionally 3000 K or 4000 K  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**

### Accessories

Distribution box for installation in soil  
**70 730** Distribution box with 7 cable entries  
Connection terminals 5 x 4<sup>□</sup>  
**71 053** Distribution box with 10 cable entries  
Connection terminals 6 x 16<sup>□</sup>

For the accessories a separate instructions for use can be provided upon request.