BEGA

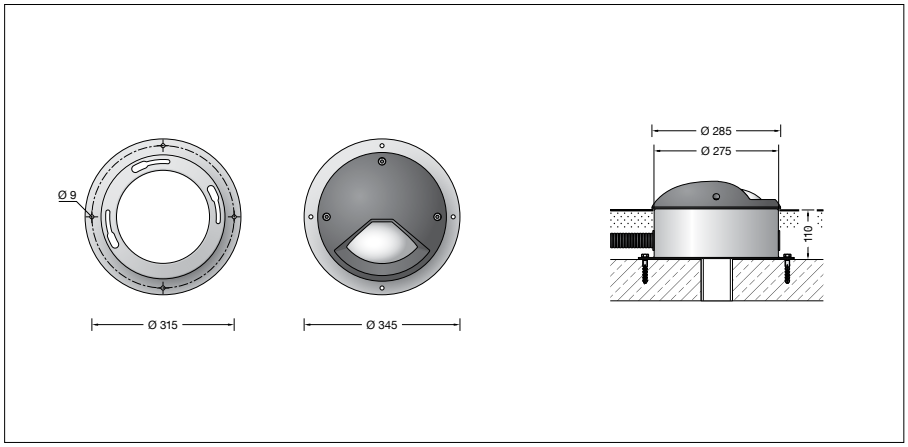
84 618

In-ground floodlight

IK10 IP 67

Project · Reference number

Date



Product data sheet

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 □ with implemented water stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
Complies with flicker requirements in accordance with IEEE 1789, DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-276 V
DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains and control cables
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
IK10 – Safety mark
Weight: 6.3 kg
This product contains light sources of energy efficiency class(es) C

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.

Lamp

Module connected wattage	24 W
Luminaire connected wattage	27 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 35 °C

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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

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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

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 Ē on the illuminated surface.

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 = 35 °C (100 %)

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

Ambient temperature max. t_a = 50 °C (78 %)

LED psu:	> 50,000 h
LED module:	> 50,000 h (L 70 B 50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Inrush current
Inrush current: 1.2 A / 46 µs
Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A:	50 luminaires
B 16 A:	80 luminaires
C 10 A:	50 luminaires
C 16 A:	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 resistanc.

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

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

Article No. 84 618
LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**