

BEGA**84 618**

In-ground floodlight

IP 67

Project · Reference number

Date

Product data sheet

Application

LED 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 Unidure® coating technology
Recess housing made of stainless steel
(Steel grade no. 1.4301) with 2 cable entries for
cable conduit, max. \varnothing 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
LED power supply unit
220-240 V \sim 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)
Maximum surface temperature 30 °C
(measured according to EN 60598 of ta 15 °C)
CE – Conformity mark
Weight: 6.3 kg

Lamp

Module connected wattage	24.6 W
Luminaire connected wattage	27.5 W
Rated temperature	t _a = 25 °C
Ambient temperature	t _{a max} = 35 °C
When installed in heat-insulating material	t _{a max} = 25 °C

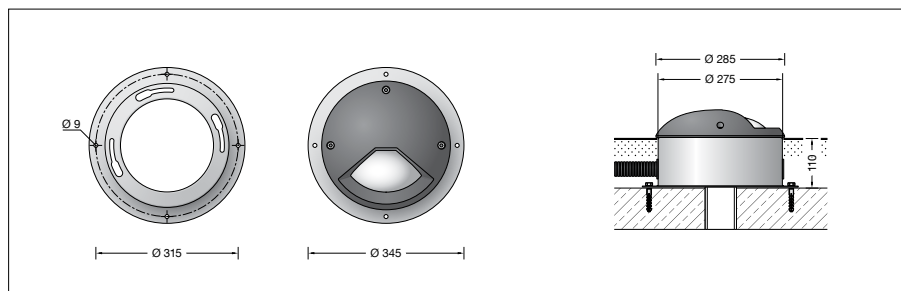
On request we can offer you modifications for environments with higher temperatures as a customized product.

84 618 K3

Module designation	3x LED-0897/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3435 lm
Luminaire luminous flux	2336 lm
Luminaire luminous efficiency	84,9 lm/W

84 618 K4

Module designation	3x LED-0897/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3435 lm
Luminaire luminous flux	2336 lm
Luminaire luminous efficiency	84,9 lm/W

**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 t_{a max} = 35 °C (100 %)

LED psu: 50,000 h
LED module: 122,000 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: 12 A / 24.2 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:

B 10 A:	50 luminaires
B 16 A:	50 luminaires
C 10 A:	50 luminaires
C 16 A:	50 luminaires

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[□]
71 053 Distribution box with 10 cable entries
Connection terminals 6 x 16[□]

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