

BEGA**84 175**

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 cover made of cast bronze
Luminaire housing made of cast aluminium
Recess housing made of stainless steel
(Steel grade no. 1.4301) with cable entry 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
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
CE – Conformity mark
Weight: 8.5 kg

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

Lamp

Module connected wattage	24.6 W
Luminaire connected wattage	27.5 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 30^\circ\text{C}$

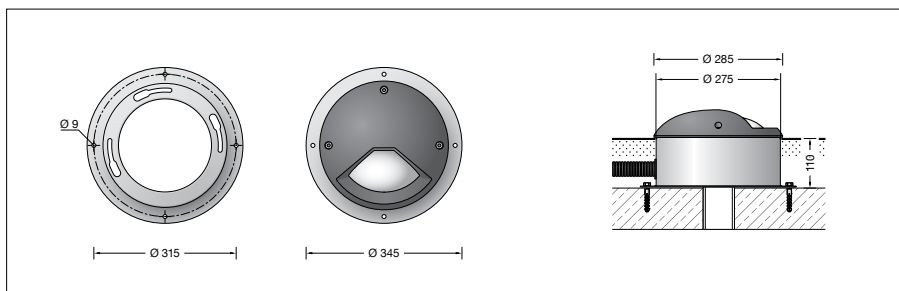
On request we can offer you modifications for environments with higher temperatures as a customized product.

84 175 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

84 175 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 $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	192,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{ max}} = 30^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	140,000 h (L 80 B 50)

Article No. 84 175

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.