BEGA

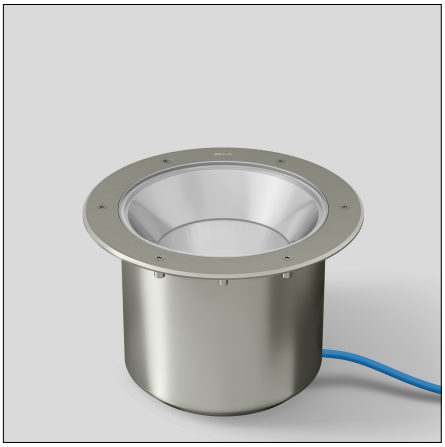
84 567

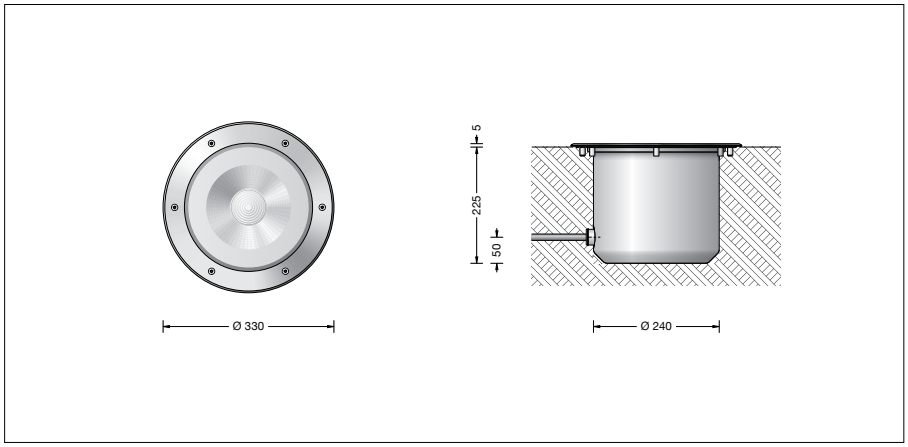
In-ground luminaire

IP 68

Project · Reference number

Date





Product data sheet

Application
Floodlight with symmetrical wide beam light distribution.
For embedding in gravel, lawns, flower beds, or in compacted, non-inflammable surfaces.
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.

BEGA Hybrid Optics®
BEGA Hybrid Optics® offers complete lighting control thanks to optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

Lighting technology
Half beam angle 35°
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 our website at www.bega.com.

Product description
Luminaire made of stainless steel
Steel grade no. 1.4301
Clear safety glass
Reflector surface made of pure aluminium
Optical silicone lens · BEGA Hybrid Optics®
1,8 m water-resistant connecting cable
07RN8-F 5G1□ 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 176-264 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 68 10 m
Dust-tight and water pressure tight
Maximum submersion depth 10 m
Not suitable for permanent operation under water
Pressure load 2,000 kg (~20 kN)
Impact strength IK10
Protection against mechanical impacts < 20 joule
Maximum surface temperature 30 °C (measured according to EN 60598 of ta 15 °C)
CE – Conformity mark
IK10 – Safety mark
Weight: 7.2 kg
This product contains light sources of energy efficiency class(es) D

Inrush current
Inrush current: 5 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 28 luminaires
B 16 A: 45 luminaires
C 10 A: 28 luminaires
C 16 A: 48 luminaires

Lamp

Module connected wattage	35.7 W
Luminaire connected wattage	38.4 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 40 °C

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Module designation	LED-0785/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	5760 lm
Luminaire luminous flux	3886 lm
Luminaire luminous efficiency	101,2 lm/W

84 567 K3

Module designation	LED-0785/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6010 lm
Luminaire luminous flux	4055 lm
Luminaire luminous efficiency	105,6 lm/W

84 567 K4

Module designation	LED-0785/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6165 lm
Luminaire luminous flux	4160 lm
Luminaire luminous efficiency	108,3 lm/W

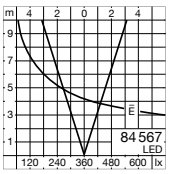
Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: 110,000 h (L 80 B 50)

Ambient temperature max. t_a = 40 °C (100 %)
LED psu: 50,000 h
LED module: 80,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Ambient temperature max. t_a = 50 °C (90 %)
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.

Light distribution



Accessories

14000233R Skid-blocking glass
BEGA skid-blocking glass with the highest rating R 13 according to DIN 51130 can be used without restriction for all public areas. Abrasion resistance according to EN ISO 10545-7 Class 3

70 688 Installation housing

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. 84 567

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.