

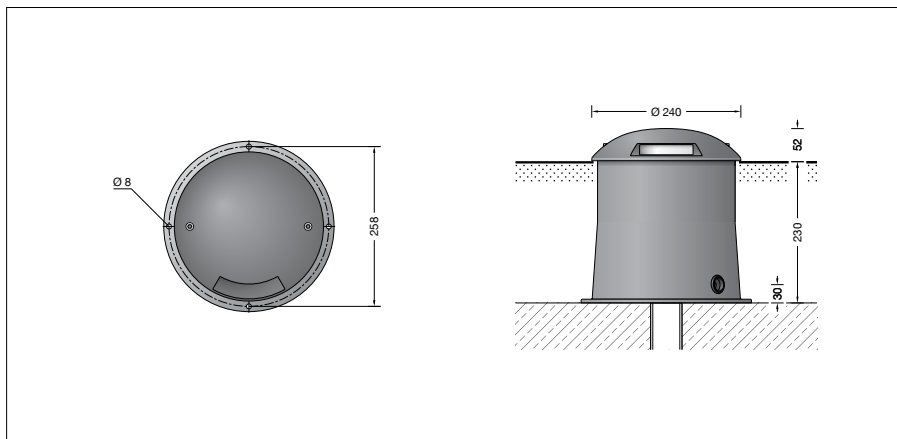
BEGA**84 268**

In-ground luminaire

IP 67

Project · Reference number

Date



Product data sheet

Product description

Luminaires and installation housings made of highly corrosion-resistant aluminium
 BEGA Tricoat® coating technology
 Ring made of glass fibre reinforced synthetic material
 Borosilicate glass
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 Recess housing with cable entry for cable conduit, max \varnothing 20 mm
 1,8 m water-resistant connecting cable 07RN8-F 5 G 1,5[□] with implemented water stopper and 1.2 m PVC cable conduit
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 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 67
 Dust-tight and protection against temporary immersion
 Pressure load 4,000 kg (~40 kN)
 Impact strength IK10
 Protection against mechanical impacts < 20 joule
CE – Conformity mark
 Weight: 5.9 kg

Application

In-ground luminaire with single-sided light sector. For recessed mounting in compacted surfaces, paths and places.
 An orientation and indication luminaire also for marking danger points.
 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.

Lamp

Module connected wattage	8 W
Luminaire connected wattage	10.5 W
Rated temperature	$t_a = 25\text{ }^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 55\text{ }^\circ\text{C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 50\text{ }^\circ\text{C}$

84 268 K3

Module designation	LED-1009/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1150 lm
Luminaire luminous flux	135 lm
Luminaire luminous efficiency	12,9 lm/W

84 268 K4

Module designation	LED-1009/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1240 lm
Luminaire luminous flux	146 lm
Luminaire luminous efficiency	13,9 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ }^\circ\text{C}$	
LED psu:	> 50,000h
LED module:	> 200,000h (L80B50) 100,000h (L90B50)

Ambient temperature $t_{a\text{ max}} = 55\text{ }^\circ\text{C}$ (100 %)

LED psu:	50,000h
LED module:	> 200,000h (L80B50) 100,000h (L90B50)

Inrush current

Inrush current: 5 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 56 luminaires
 B 16A: 90 luminaires
 C 10A: 56 luminaires
 C 16A: 90 luminaires

Light technique

The optical system of the luminaire directs the light in a concentrated way horizontally to the lamp axis.

This results in a glare free illumination of the surface from lowest height.

The angle of reflected beam is 60°.

Article No. 84 268

LED colour temperature optionally 3000K or 4000K

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[□]

Light distribution