

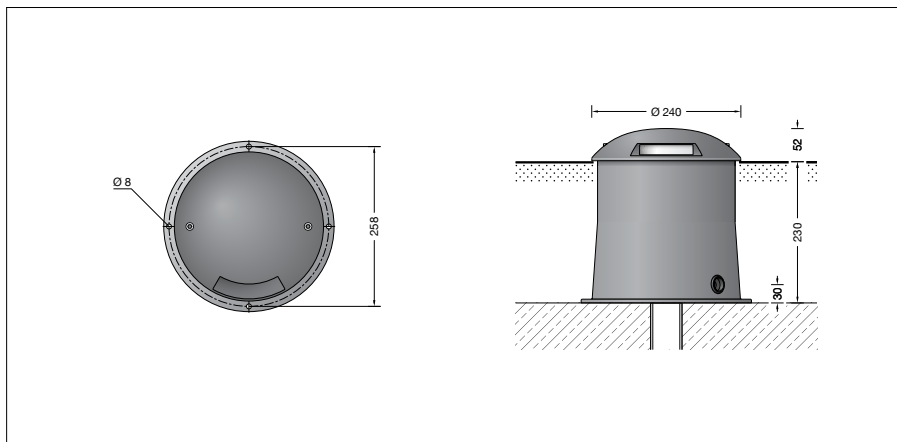
BEGA**84 268**

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 entries for cable conduit, max Ø 20 mm

1,8 m water-resistant connecting cable

07RN8-F 5 G 1,5² 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 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

 – Safety 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 $t_a = 25\text{ °C}$

Ambient temperature $t_{a\text{ max}} = 55\text{ °C}$

When installed in heat-insulating material $t_{a\text{ max}} = 50\text{ °C}$

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

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control thanks to optimum refraction and reflection. Precisely calculated reflectors with a surface made of pure aluminium and lenses made of ultra-clear silicone or glass capture nearly every beam of light from the LED modules. The interplay between lens and reflector technologies achieves maximum application efficiency.

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°.

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$

LED psu: > 50,000 h

LED module: > 200,000 h (L 80 B 50)
 100,000 h (L 90 B 50)

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

LED psu: 50,000 h

LED module: > 200,000 h (L 80 B 50)
 100,000 h (L 90 B 50)

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 resistance.

Article No. 84 268

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 4²

71 053 Distribution box with 10 cable entries
 Connection terminals 6 x 16²

Light distribution

