

BEGA**84 450**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

Recessed LED location luminaire with low installation depth for flush-mounting installation in compacted surfaces, paths and open areas. Drive-over luminaire for vehicles with pneumatic tyres.

Please note: Luminaire must not be used for installations in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction. The minimum distance to illuminated objects above the light distribution opening must be ≥ 0.5 m \nearrow .

We recommend skid-blocking glass for walk-over public areas – see accessories.

Product description

Luminaire housing made of glass-fibre reinforced polyamide synthetic
Cover ring made of stainless steel
Steel grade no. 1.4301
Safety glass, white
Silicone gasket
1,8 m water-resistant connecting cable
HO7RN8-F 3G 1,5² 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
Safety class I
Protection class IP 67
Dust-tight and protection against temporary immersion
Pressure load 3,000 kg (30 kN)
Impact strength IK10
Protection against mechanical impacts < 20 joule
Maximum surface temperature 25 °C (measured according to EN 60598 of t_a 15 °C)
 – Safety mark
 – Conformity mark
Weight: 4.3 kg

Lamp

Module connected wattage	3.9 W
Luminaire connected wattage	5.2 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 50$ °C
When installed in heat-insulating material	$t_{a \max} = 35$ °C

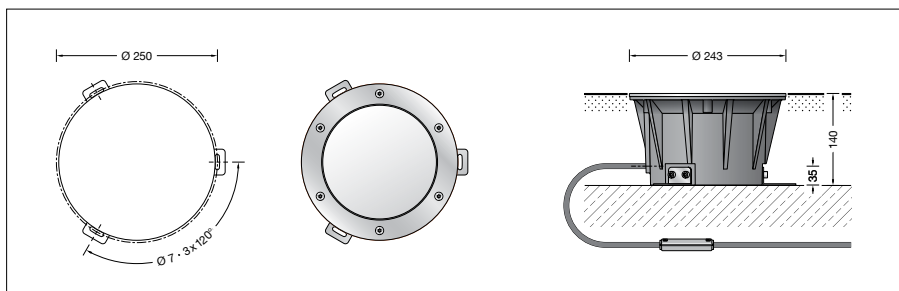
On request we can offer you modifications for environments with higher temperatures as a customized product.

84 450 K4

Module designation	LED-0263/840
Colour temperature	4000 K
Colour rendering index	CRI >80
Module luminous flux	745 lm
Luminaire luminous flux	236 lm
Luminaire luminous efficiency	45,4 lm/W

84 450 K3

Module designation	LED-0263/830
Colour temperature	3000 K
Colour rendering index	CRI >80
Module luminous flux	725 lm
Luminaire luminous flux	230 lm
Luminaire luminous efficiency	44,2 lm/W



Lifetime of the LED

Ambient temperature $t_a = 25$ °C
– at > 500,000h: L70B50

max. ambient temperature $t_a = 50$ °C
– at 399,000h: L70B50

Light technique

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page www.bega.com.

Inrush current

Inrush current: 7 A / 112 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B10A: 38 luminaires
B16A: 61 luminaires
C10A: 64 luminaires
C16A: 102 luminaires

Article No. 84 450

LED colour temperature optionally 4000K or 3000K
4000 K – Article number + **K4**
3000 K – Article number + **K3**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

Accessories

140847R 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

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

A separate instructions for use can be provided upon request.