


Project · Reference number

Date



**Application**

Recessed LED location luminaire for recessed mounting 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  $\geq 0.5$  m .

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

**Product description**

Luminaire made of aluminium alloy, aluminium and stainless steel  
Cover ring made of stainless steel  
Steel grade no. 1.4301  
Safety glass, white  
Recess housing with cable entry for cable conduit, max  $\varnothing$  20 mm  
1,8 m water-resistant connecting cable H07RN8-F 3G1,5<sup>□</sup> 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 5,000 kg  
Impact strength IK10  
Protection against mechanical impacts < 20 joule  
Maximum surface temperature 20 °C (measured according to EN 60598 of  $t_a$  15 °C)  
 – Safety mark  
 – Conformity mark  
Weight: 6.5 kg

**Inrush current**

Inrush current: 20 A / 170  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 31 luminaires  
B 16A: 50 luminaires  
C 10A: 52 luminaires  
C 16A: 85 luminaires

**Lamp**

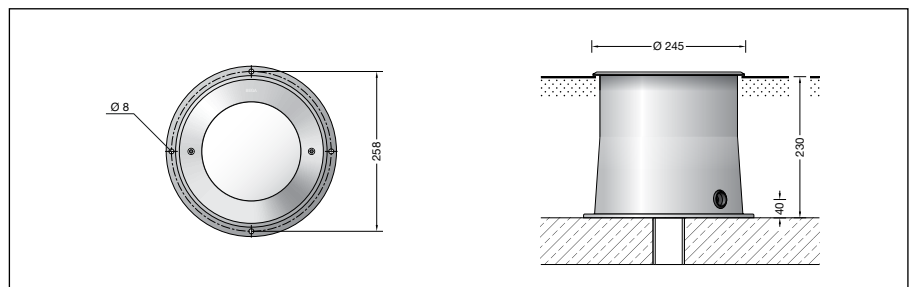
Module connected wattage	6.3 W
Luminaire connected wattage	8.6 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 35$ °C

**77 109**

Module designation	LED-0271/840
Colour temperature	4000 K
Colour rendering index	$R_a > 80$
Module luminous flux	790 lm
Luminaire luminous flux	139 lm
Luminaire luminous efficiency	16,2 lm/W

**77 109 K3**

Module designation	LED-0271/830
Colour temperature	3000 K
Colour rendering index	$R_a > 80$
Module luminous flux	735 lm
Luminaire luminous flux	129 lm
Luminaire luminous efficiency	15 lm/W

**Lifetime of the LED**

Ambient temperature  $t_a = 15$  °C  
– at 50,000h: L90B10  
– at > 500,000h: L70B50

Ambient temperature  $t_a = 25$  °C  
– at 50,000h: L90B10  
– at 490,000h: L70B50

max. ambient temperature  $t_a = 35$  °C  
– at 50,000h: L90B10  
– at 370,000h: L70B50

**Article No. 77 109**

Colour temperature 4000 K.  
Also available with 3000 K on request.  
4000 K – article number  
3000 K – article number + **K3**

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

**Accessories**

**140226R** 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

**70730** Distribution box

The distribution box is meant for installation in the soil and allows a junction from the supply cable to the luminaire and through-wiring to the next luminaire.  
After the electrical connection the distribution box is filled up with gel and closed.