

**BEGA****77 028**

In-ground luminaire



Project · Reference number

Date

## Product data sheet

### 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 installation in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.

### Product description

Cover ring Luminaire housing made of stainless steel and cast stainless steel  
Steel grade number 1.4301  
Safety glass, white  
Reflector made of pure anodised aluminium  
2 mounting holes  $\varnothing$  5 mm  
Distance apart 120 mm  
1,8 m water-resistant connecting cable  
05RN8-F 3 G 1<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 68 10 m  
Dust-tight and water pressure tight  
Maximum submersion depth 10 m  
Pressure load 2,000 kg (20 kN)  
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: 1.6 kg

### Inrush current

Inrush current: 6 A / 102  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 60 luminaires  
B 16A: 96 luminaires  
C 10A: 100 luminaires  
C 16A: 161 luminaires

### Lamp

Module connected wattage 2.1 W  
Luminaire connected wattage 2.7 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

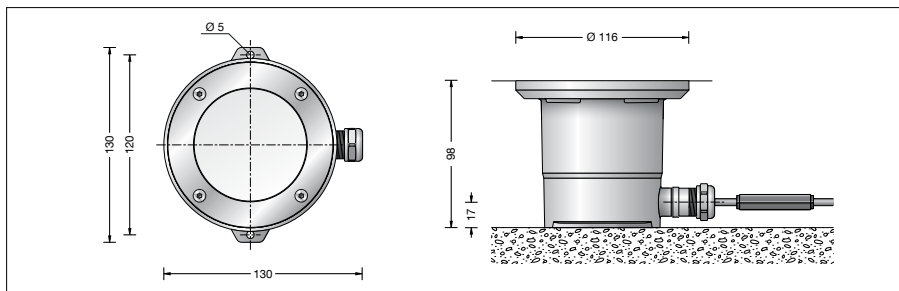
On request we can offer you modifications for environments with higher temperatures as a customized product.

### 77 028 K4

Module designation LED-0305/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 285 lm  
Luminaire luminous flux 74 lm  
Luminaire luminous efficiency 27,4 lm/W

### 77 028 K3

Module designation LED-0305/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 285 lm  
Luminaire luminous flux 74 lm  
Luminaire luminous efficiency 27,4 lm/W



### Lifetime of the LED

Ambient temperature  $t_a = 15$  °C  
– at 50,000h: L90B10  
– at 478,000h: L70B50

Ambient temperature  $t_a = 25$  °C  
– at 50,000h: L80B10  
– at 254,000h: L70B50

max. ambient temperature  $t_a = 50$  °C  
– at 50,000h: L90B50  
– at 140,000h: 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](http://www.bega.com).

### Article No. 77 028

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

### Accessories

#### 70 730 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.