

**BEGA****77 018**

In-ground luminaire



Project · Reference number

Date

## Product data sheet

**Application**

LED floodlight with symmetrical light distribution. For recessed mounting in compacted surfaces, paths and places. 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  
Clear safety glass  
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  
DC Start  $\geq$  198 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

**Lamp**

Module connected wattage	3 W
Luminaire connected wattage	4.6 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a, max} = 40$ °C

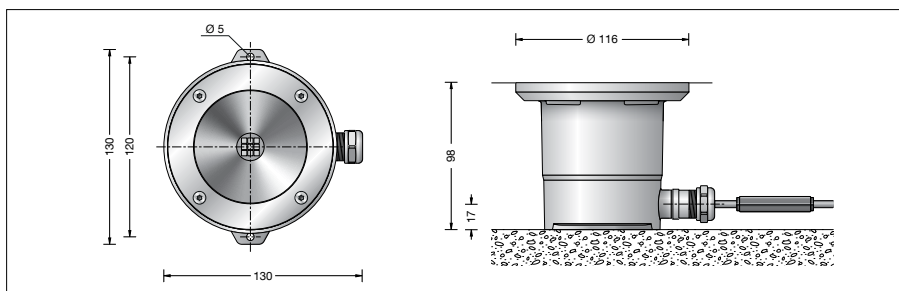
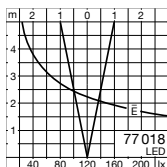
On request we can offer you modifications for environments with higher temperatures as a customized product.

**77 018 K4**

Module designation	LED-0291/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	535 lm
Luminaire luminous flux	350 lm
Luminaire luminous efficiency	76,1 lm/W

**77 018 K3**

Module designation	LED-0291/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	525 lm
Luminaire luminous flux	343 lm
Luminaire luminous efficiency	74,6 lm/W

**Light distribution****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 > 500,000h: L70B50

max. ambient temperature  $t_a = 40$  °C  
– at 50,000h: L80B10  
– at 269,000h: L70B50

**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

**Lighting technology**

Half beam angle 26°  
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website [www.bega.com](http://www.bega.com).

**Article No. 77 018**

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.