

**BEGA****77 128**

In-ground luminaire



Project · Reference number

Date

## Product data sheet

**Application**

Recessed 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 3G1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit  
BEGA Ultimate Driver®  
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  
Not suitable for permanent operation under water  
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: 1.8 kg

**Inrush current**

Inrush current: 7 A / 102  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B10A: 60 luminaires  
B16A: 96 luminaires  
C10A: 100 luminaires  
C16A: 161 luminaires

**Lamp**

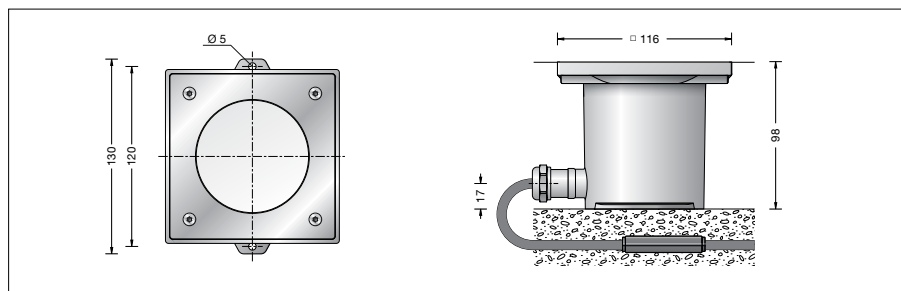
Module connected wattage 2 W  
Luminaire connected wattage 2.7 W  
Rated temperature  $t_a = 25$  °C  
Ambient temperature  $t_{a \max} = 50$  °C  
When installed in heat-insulating material  $t_{a \max} = 35$  °C

**77 128 K4**

Module designation LED-0305/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 350 lm  
Luminaire luminous flux 87 lm  
Luminaire luminous efficiency 32,2 lm/W

**77 128 K3**

Module designation LED-0305/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 345 lm  
Luminaire luminous flux 86 lm  
Luminaire luminous efficiency 31,9 lm/W

**Service life · Ambient temperature**

Rated temperature  $t_a = 25$  °C  
LED psu: > 50,000 h  
LED module: > 200,000 h (L80B50)  
100,000 h (L90B50)

Ambient temperature max.  $t_a = 50$  °C (100 %)  
LED psu: 50,000 h  
LED module: 92,000 h (L80B50)  
100,000 h (L70B50)

**Lighting technology**

Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at [www.bega.com](http://www.bega.com).

**Article No. 77 128**

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

**Accessories**

**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.