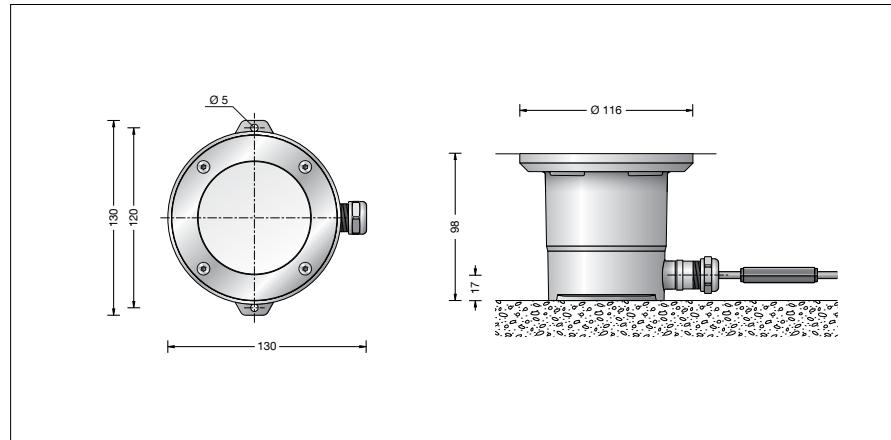


Project · Reference number

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 3G 1 \square 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

BEGA Thermal Switch[®]

Temporary thermal shutdown to protect temperature-sensitive components

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 ta 15 °C)

– Safety mark

– Conformity mark

Weight: 1.6 kg

This product contains light sources of energy efficiency class(es) C, D

Lamp

Module connected wattage
Luminaire connected wattage
Rated temperature
Ambient temperature
When installed in heat-insulating material

2 W
2.7 W
 $t_a = 25$ °C
 $t_{a\ max} = 50$ °C
 $t_{a\ max} = 35$ °C

Inrush current

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

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.

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.

Article No. 77 028

LED colour temperature optionally 2700 K, 3000 K or 4000 K
2700 K – Article number + **K27**
3000 K – Article number + **K3**
4000 K – Article number + **K4**

77 028 K3

Module designation
Colour temperature
Colour rendering index
Module luminous flux
Luminaire luminous flux
Luminaire luminous efficiency

LED-0305/827
2700 K
CRI > 80
335 lm
83 lm
30,7 lm/W

77 028 K4

Module designation
Colour temperature
Colour rendering index
Module luminous flux
Luminaire luminous flux
Luminaire luminous efficiency

LED-0305/840
4000 K
CRI > 80
350 lm
87 lm
32,2 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)