

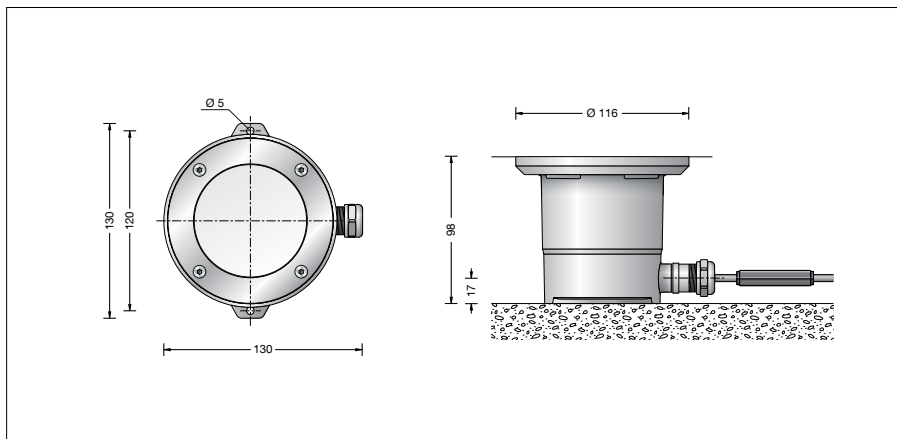
BEGA**77 028**

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 3 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 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 t_a 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 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

77 028 K27

Module designation LED-0305/827
Colour temperature 2700 K
Colour rendering index CRI > 80
Module luminous flux 335 lm
Luminaire luminous flux 83 lm
Luminaire luminous efficiency 30,7 lm/W

77 028 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

77 028 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

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B50)
100,000 h (L 90 B50)

Ambient temperature max. $t_a = 50$ °C (100 %)

LED psu: 50,000 h
LED module: 92,000 h (L 80 B50)
100,000 h (L 70 B50)

Inrush current

Inrush current: 7 A / 102 μ 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

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**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.

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**