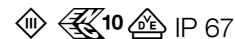


BEGA**77 002**

In-ground luminaire



Project · Reference number

Date



Product data sheet

Application

LED floodlight with asymmetrical light distribution 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.

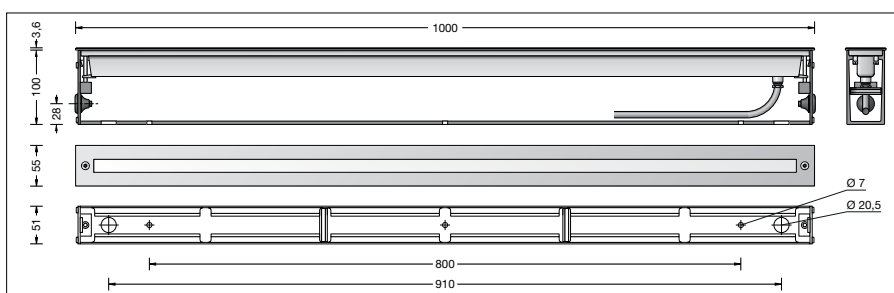
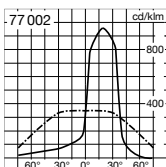
Product description

Recessed LED luminaire without power supply unit
 Luminaire made of stainless steel
 Steel grade no 1.4301
 Recess housing made of aluminium profile, powder coated with 2 entries for connecting cable up to \varnothing 12 mm
 Clear safety glass
 Reflector made of pure anodised aluminium
 Connecting cable H05RN8-F 2 x 1[□]
 Cable length 3 m
 Safety class III
 Protection class IP 67
 Dust-tight and protection against temporary immersion
 Pressure load 1,000 kg (9.8 kN)
 Impact strength IK09
 Protection against mechanical impacts < 10 joule
 – Safety mark
CE – Conformity mark
 Weight: 5.8 kg

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.

Light distribution



Lamp

Module connected wattage 7.9 W
 Luminaire connected wattage 10.5 W
 Rated temperature $t_a = 25\text{ °C}$
 Ambient temperature $t_{a\text{ max}} = 65\text{ °C}$
 When installed in heat-insulating material $t_{a\text{ max}} = 60\text{ °C}$
 Voltage 24 V = DC

77 002 K4

Module designation LED-0473/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 1385 lm
 Luminaire luminous flux 500 lm
 Luminaire luminous efficiency 47,6 lm/W

77 002 K3

Module designation LED-0473/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 1370 lm
 Luminaire luminous flux 495 lm
 Luminaire luminous efficiency 47,1 lm/W

Service life · Ambient temperature

Ambient temperature $t_a = 25\text{ °C}$
 LED psu: > 50,000 h
 LED module: > 200,000 h (L 80 B 50)
 100,000 h (L 90 B 50)

Ambient temperature $t_a = 65\text{ °C}$
 LED psu: 50,000 h
 LED module: 180,000 h (L 80 B 50)
 100,000 h (L 80 B 50)

Article No. 77 002

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

Accessories

Power supply unit for LED luminaires 24 V DC
 Safety transformer according to DIN EN 61558/VDE 0570 part 2-6
70 564 Power supply unit for 0-15 W
70 465 Power supply unit for 0-25 W
70 565 Power supply unit for 0-35 W
70 566 Power supply unit for 0-50 W
70 567 Power supply unit for 0-75 W
70 169 Power supply unit for 0-150 W 230 V ~ 50-60 Hz

70 114 Power supply unit for 0-42 W
 AC range: AC: 110-264 V ~ 50-60 Hz
 DC range: DC: 170-280 V

The power supply units are also suitable for the operation of several LED luminaires. In this case, the maximum wattage of the power supply unit must not be exceeded.

Distribution box for installation in soil
70 730 Distribution box with 7 cable entries
 Connection terminals 5 x 4[□]
71 053 Distribution box with 10 cable entries
 Connection terminals 6 x 16[□]

For the accessories a separate instructions for use can be provided upon request.