

**BEGA****77 001**

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.

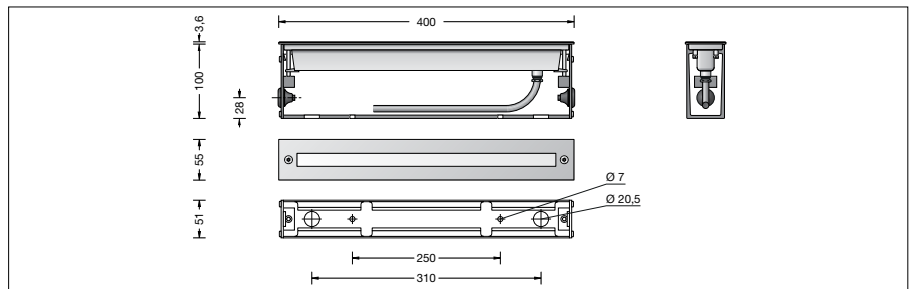
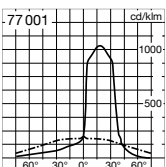
### Product description

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<sup>□</sup>  
Cable length 3 m  
Safety class III   
Protection class IP 67  
Dust-tight and protection against temporary immersion  
Impact strength IK09  
Protection against mechanical impacts < 10 joule  
 – Safety mark  
 – Conformity mark  
Weight: 2.6 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](http://www.bega.com).

### Light distribution



### Lamp

Module connected wattage 3 W  
Luminaire connected wattage 3.6 W  
Rated temperature  $t_a = 25\text{ °C}$   
Ambient temperature  $t_{a\text{ max}} = 55\text{ °C}$   
When installed in heat-insulating material  $t_{a\text{ max}} = 45\text{ °C}$   
Voltage 24 V = DC

### 77 001 K4

Module designation LED-0474/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 520 lm  
Luminaire luminous flux 175 lm  
Luminaire luminous efficiency 48,6 lm/W

### 77 001 K3

Module designation LED-0474/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 515 lm  
Luminaire luminous flux 173 lm  
Luminaire luminous efficiency 48,1 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  $t_a = 55\text{ °C}$

LED psu: 50,000 h  
LED module: > 200,000 h (L 80 B 50)  
100,000 h (L 90 B 50)

### Article No. 77 001

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.

A separate instructions for use can be provided upon request.

### 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.