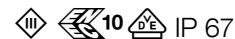


**BEGA****77 012**

In-ground luminaire



Project · Reference number

Date



## Product data sheet

### Application

LED floodlight with symmetrical light distribution. For recessed mounting in compacted surfaces, paths and places. Drive-over luminaire for vehicles with pneumatic tyres.

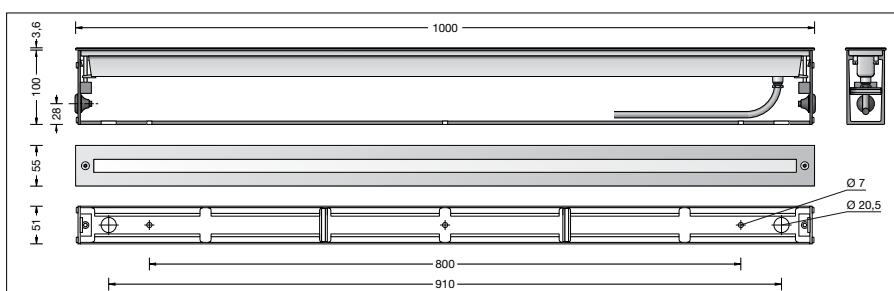
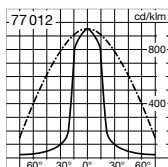
### Please note:

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  
 Pressure load 1,000 kg (9.8 kN)  
 Impact strength IK09  
 Protection against mechanical impacts < 10 joule  
 Maximum surface temperature 25 °C (measured according to EN 60598 of  $t_a$  15 °C)  
  
 – Conformity mark  
 Weight: 6.1 kg

### Light distribution



### Lamp

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

### 77 012 K4

Module designation	LED-0512/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1385 lm
Luminaire luminous flux*	738 lm
Luminaire luminous efficiency*	70,3 lm/W

### 77 012 K3

Module designation	LED-0512/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1370 lm
Luminaire luminous flux*	730 lm
Luminaire luminous efficiency*	69,5 lm/W

\* preliminary data

### Service life · Ambient temperature

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

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

### 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).

### Article No. 77 012

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<sup>□</sup>  
**71 053** Distribution box with 10 cable entries  
 Connection terminals 6 x 16<sup>□</sup>

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