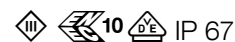


BEGA**77 012**

In-ground luminaire



Project · Reference number

Date



Product data sheet

Application

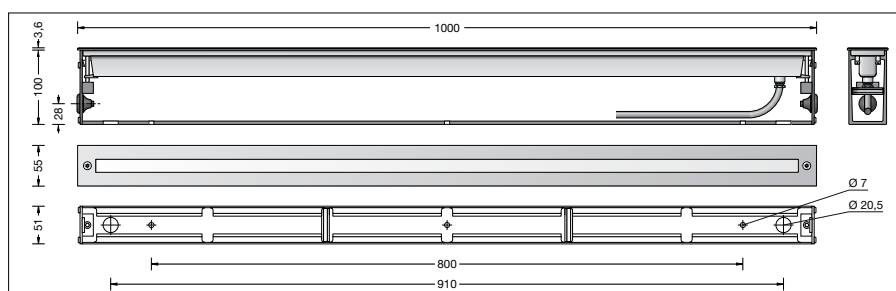
Floodlight with symmetrical light distribution.
For recessed mounting in compacted surfaces,
paths and places.
Drive-over luminaire for vehicles with pneumatic
tyres.

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
Installation housing made of aluminium profile,
powder-coated with 2 entries for
connection 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 (~10 kN)
Impact strength IK09
Protection against mechanical
impacts < 10 joule
Maximum surface temperature 20 °C
(measured according to EN 60598 of t_a 15 °C)
 – Safety mark
 – Conformity mark
Weight: 6.1 kg



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

77 012 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

Rated temperature $t_a = 25\text{ °C}$
LED module: > 200,000 h (L80 B50)
100,000 h (L90 B50)

Ambient temperature max. $t_a = 65\text{ °C}$ (100 %)
LED module: 180,000 h (L80 B50)

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.

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

70564	Power supply unit for	5-15 W
70465	Power supply unit for	10-25 W
70565	Power supply unit for	20-35 W
70566	Power supply unit for	30-50 W
70567	Power supply unit for	40-75 W
70169	Power supply unit for	70-150 W

230 V ~ 50-60 Hz

70114 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

70730 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.

Light distribution

