

BEGA**77 027**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

Recessed LED location luminaire for recessed mounting in compacted surfaces, paths and open areas. Drive-over luminaire for vehicles with pneumatic tyres.

In the centre of the glass surface the luminaire attains an operating temperature of only 20 °C (measured according to EN 60598 - ambient temperature of t_a 15 °C).

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 80 mm
1,8 m water-resistant connecting cable
05RN8-F 2 x 1[□] with implemented water stopper and 1.2 m PVC cable conduit
Safety class III
Protection class IP 68 10 m
Dust-tight and water pressure tight
Maximum submersion depth 10 m
Impact strength IK10
Protection against mechanical impacts < 20 joule
 – Safety mark
CE – Conformity mark
Weight: 0.6 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.

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 10-25 W
- 70 565** Power supply unit for 20-35 W
- 70 566** Power supply unit for 30-50 W
- 70 567** Power supply unit for 40-75 W
- 70 169** Power supply unit for 70-150 W
230 V ~ 50-60 Hz

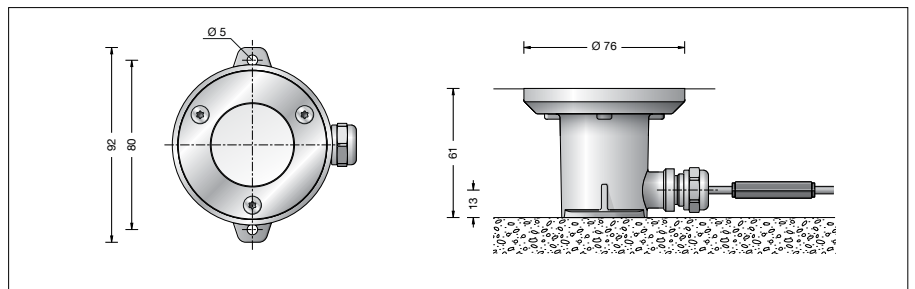
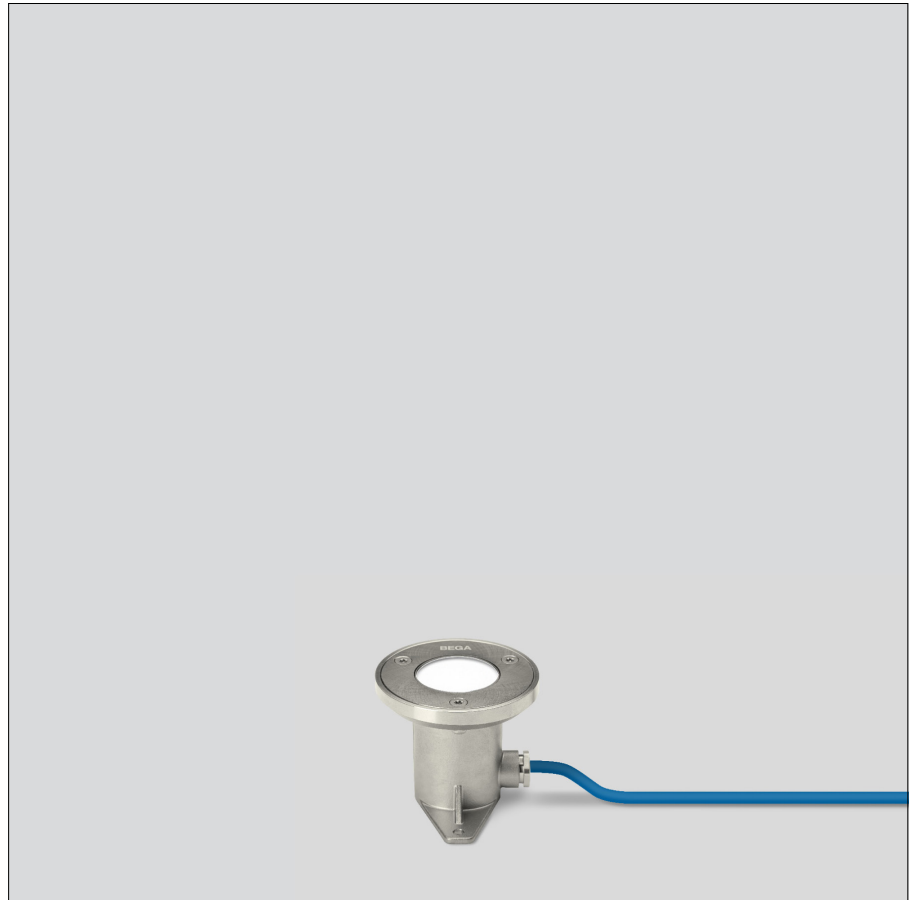
70 114 Power supply unit for 0-42 W
AC range: AC: 110-264 V ~ 50-60 Hz
DC range: DC: 170-280 V

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.



Lamp

Module connected wattage	0.6 W
Luminaire connected wattage	0.8 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 70$ °C
When installed in heat-insulating material	$t_{a \max} = 65$ °C
Voltage	24 V = DC

77 027 K4

Module designation	LED-0289/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	110 lm
Luminaire luminous flux	28 lm
Luminaire luminous efficiency	35 lm/W

77 027 K3

Module designation	LED-0289/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	105 lm
Luminaire luminous flux	26 lm
Luminaire luminous efficiency	32,5 lm/W

Service life of the LED

Ambient temperature $t_a = 25$ °C	– at > 500,000h: L70B50
max. ambient temperature $t_a = 70$ °C	– at 137,000h: L70B50

Article No. 77 027

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