


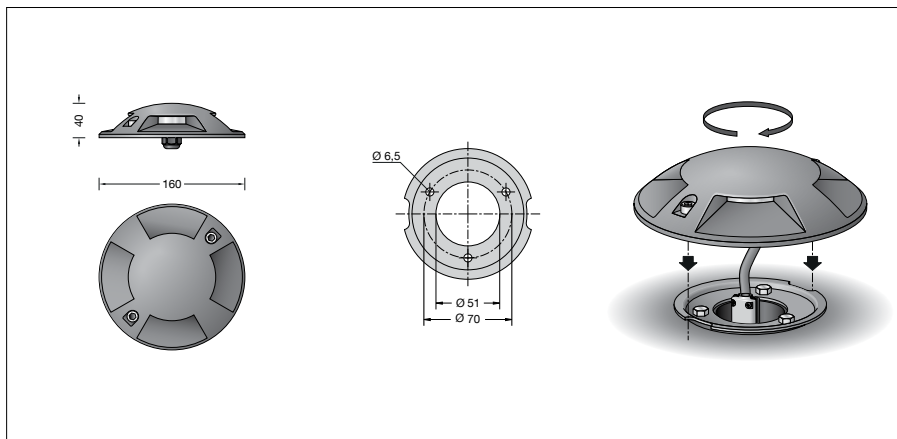
**BEGA****77 070**

Surface-mounted luminaire

 IP 67



Project · Reference number

Date



## Product data sheet

**Product description**

Luminaire made of aluminium alloy and stainless steel  
 BEGA Unidure® coating technology  
 Borosilicate glass  
 Luminaire with mounting plate for bolting onto a foundation or onto a connecting housing  
 Mounting plate made of stainless steel  
 Steel grade number 1.4301  
 3 fixing holes  $\varnothing$  6.5 mm  
 Angle 120° · Pitch circle  $\varnothing$  70 mm  
 1,8 m water-resistant connecting cable 05RN8-F 2 x 1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit  
 Safety class III   
 Protection class IP 67  
 Dust-tight and protection against temporary immersion  
 Pressure load 1,000 kg (~10 kN)  
 Impact strength IK10  
 Protection against mechanical impacts < 20 joule  
 Maximum surface temperature 20 °C (measured according to EN 60598 of  $t_a$  15 °C)  
 – Safety mark  
**CE** – Conformity mark  
 Weight: 0.95 kg

**Application**

Surface-mounted luminaire with four-sided light sectors.  
 Drive-over luminaire for vehicles with pneumatic tyres.  
 For the various requirements at the installation site, we offer a connection housing as a accessory.  
 The luminaires can thus be installed on unpaved surfaces.

**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.

**Lamp**

Module connected wattage	2.2 W
Luminaire connected wattage	2.6 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 65$ °C
Voltage	24 V = DC

**77 070 K3**

Module designation	LED-0245/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	275 lm
Luminaire luminous flux	29 lm
Luminaire luminous efficiency	11,2 lm/W

**77 070 K4**

Module designation	LED-0245/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	290 lm
Luminaire luminous flux	30 lm
Luminaire luminous efficiency	11,5 lm/W

**Service life · Ambient temperature**

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

Ambient temperature max.  $t_a = 65$  °C (100 %)  
 LED module: 195,000 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](http://www.bega.com).

**Article No. 77 070**

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

**Accessories**

Safety transformers according to DIN EN 61558/VDE 0570

**70 564 Power supply unit**

Primary: 230 V ~ 50/60 Hz  
 Secondary: 24 V = DC · 5-15 W

**70 465 Power supply unit**

Primary: 230 V ~ 50/60 Hz  
 Secondary: 24 V = DC · 10-25 W

**70 114 Power supply unit**

Primary:  
 AC: 110-264 V ~ 50/60 Hz  
 DC: 170-280 V  
 Secondary: 24 V = DC · 0-42 W

**71 246** Connection housing  
 made of galvanised steel  
 Total length 225 mm

**70 730** Distribution box with 7 cable entries  
 Connection terminals 5 x 4<sup>□</sup>

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

**Light distribution**