

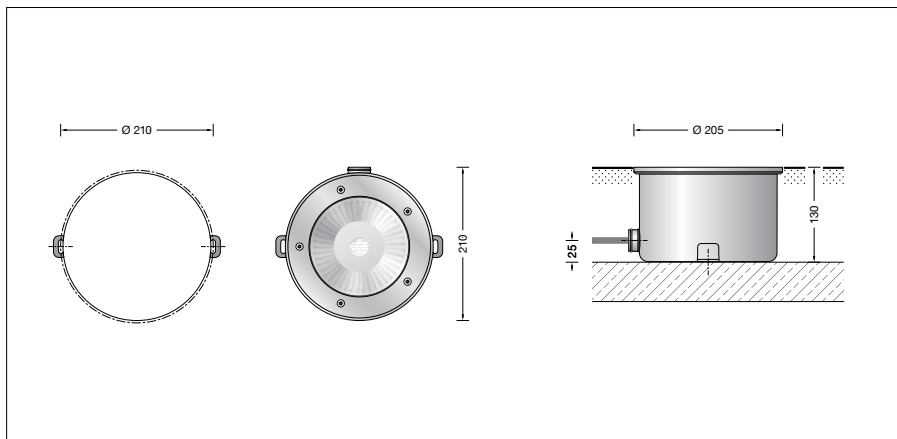
**BEGA****77 961**

In-ground luminaire



Project · Reference number

Date



## Product data sheet

**Product description**

Cover ring Luminaire housing made of stainless steel and cast stainless steel  
Steel grade number 1.4301  
Clear safety glass  
Reflector made of pure anodised aluminium  
1,8 m water-resistant connecting cable  
07RN8-F 5 G 1<sup>□</sup> with implemented water stopper and 1.2 m PVC cable conduit  
BEGA Ultimate Driver<sup>®</sup>  
LED power supply unit  
220-240 V ~ 0/50-60 Hz  
DC 176-264 V  
DALI controllable  
A basic isolation exists between power cable and control line  
BEGA Thermal Control<sup>®</sup>  
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
Safety class I  
Protection class IP 68 10 m  
Dust-tight and water pressure tight  
Maximum submersion depth 10 m  
Not suitable for permanent operation under water  
Pressure load 3,000 kg (~30 kN)  
Impact strength IK10  
Protection against mechanical impacts < 20 joule  
Maximum surface temperature 25 °C (measured according to EN 60598 of ta 15 °C)  
**CE** – Conformity mark  
 – Safety mark  
Weight: 4.8 kg  
This product contains light sources of energy efficiency classes C, D

**Application**

Floodlight with symmetrical light distribution for flush-mounting installation 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.  
For walk-through public areas, we recommend skid-blocking glass – see accessories.

**Lamp**

Module connected wattage	8 W
Luminaire connected wattage	10 W
Rated temperature	t <sub>a</sub> = 25 °C
Ambient temperature	t <sub>a max</sub> = 45 °C
When installed in heat-insulating material	t <sub>a max</sub> = 25 °C

On request we can offer you modifications for environments with higher temperatures as a customized product.

**77 961 K27**

Module designation	LED-0340/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	1345 lm
Luminaire luminous flux	983 lm
Luminaire luminous efficiency	98,3 lm/W

**77 961 K3**

Module designation	LED-0340/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1395 lm
Luminaire luminous flux	1020 lm
Luminaire luminous efficiency	102 lm/W

**77 961 K4**

Module designation	LED-0340/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1415 lm
Luminaire luminous flux	1035 lm
Luminaire luminous efficiency	103,5 lm/W

**Service life · Ambient temperature**

Rated temperature t <sub>a</sub> = 25 °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50)
	100,000 h (L 90 B 50)

Ambient temperature max. t<sub>a</sub> = 45 °C (100 %)

LED psu:	50,000 h
LED module:	80,000 h (L 80 B 50)
	100,000 h (L 70 B 50)

**Inrush current**

Inrush current: 5 A / 100 μs  
Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	56 luminaires
B 16A:	90 luminaires
C 10A:	56 luminaires
C 16A:	90 luminaires

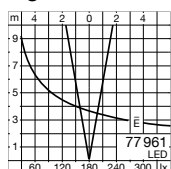
**Lighting technology**

Half beam angle 20°  
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 our website at [www.bega.com](http://www.bega.com).

**Article No. 77 961**

LED colour temperature optionally 2700 K, 3000 K or 4000 K  
2700 K – Article number + **K2**  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**

We supply this luminaire with skid-blocking glass which is denoted by **R** after the article number.

**Light distribution**

### Accessories

#### **14000645R** Skid-blocking glass

BEGA skid-blocking glass with the highest rating R 13 according to DIN 51130 can be used without restriction for all public areas.

Abrasion resistance according to

EN ISO 10545-7 Class 3

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>

A separate instructions for use can be provided upon request.