

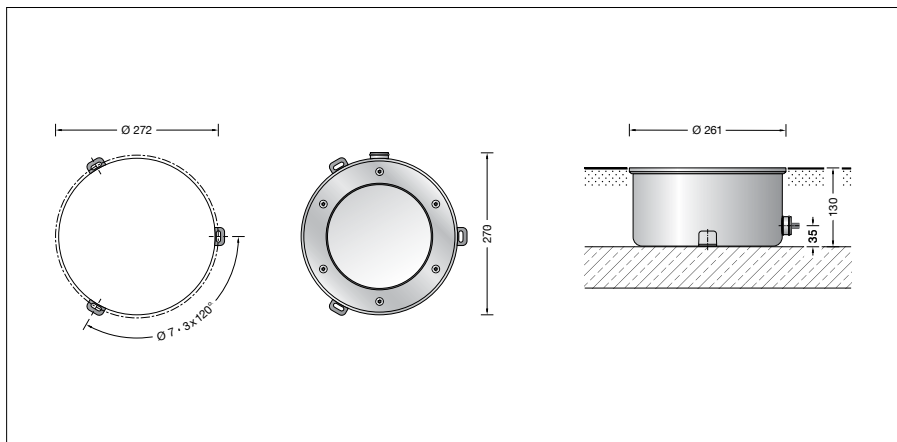
BEGA**77 163**

In-ground luminaire



Project · Reference number

Date



Product data sheet

Application

Recessed location luminaire with low installation depth 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.

Product description

Cover ring Luminaire housing made of stainless steel and cast stainless steel
Steel grade number 1.4301
Safety glass, white
1,8 m water-resistant connecting cable 07RN8-F 3 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 V
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
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 20 °C (measured according to EN 60598 of ta 15 °C)
☞10☞ – Safety mark
CE – Conformity mark
Weight: 7.0 kg
This product contains light sources of energy efficiency classes C, E

Lamp

Module connected wattage 3.9 W
Luminaire connected wattage 5 W
Rated temperature $t_a = 25\text{ °C}$
Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$
When installed in heat-insulating material $t_{a\text{ max}} = 35\text{ °C}$

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Module designation LED-0794/827
Colour temperature 2700 K
Colour rendering index CRI > 80
Module luminous flux 725 lm
Luminaire luminous flux 93 lm
Luminaire luminous efficiency 18,6 lm/W

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Module designation LED-0794/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 750 lm
Luminaire luminous flux 97 lm
Luminaire luminous efficiency 19,4 lm/W

77 163 K4

Module designation LED-0794/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 770 lm
Luminaire luminous flux 99 lm
Luminaire luminous efficiency 19,8 lm/W

Service life · Ambient temperature

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

Ambient temperature max. $t_a = 50\text{ °C}$ (100 %)
LED psu: 50,000 h
LED module: 98,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Inrush current

Inrush current: 7.8 A / 112 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 38 luminaires
B 16A: 61 luminaires
C 10A: 64 luminaires
C 16A: 102 luminaires

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. 77 163

LED colour temperature optionally 2700 K, 3000 K or 4000 K
2700 K – Article number + **K27**
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.

Accessories

14000257R 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[□]

71 053 Distribution box with 10 cable entries
Connection terminals 6 x 16[□]

A separate instructions for use can be provided upon request.