

BEGA**77 163**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

Recessed LED 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
H07RN8-F 3G1,5[□] with implemented water stopper and 1.2 m PVC cable conduit
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
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)
 – Safety mark
 – Conformity mark
Weight: 7.0 kg

Inrush current

Inrush current: 7 A / 112 μ s
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

Lamp

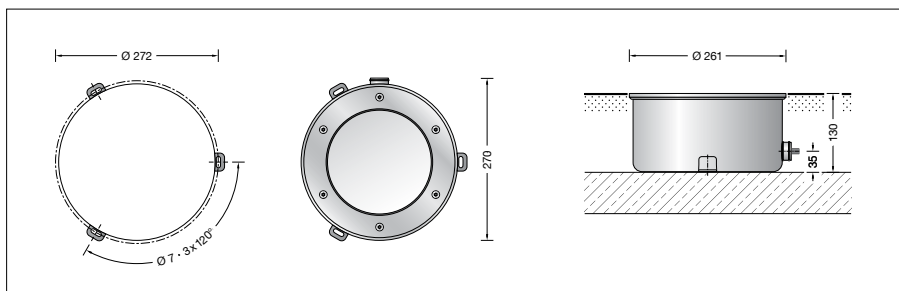
Module connected wattage	3.9 W
Luminaire connected wattage	5 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 50$ °C
When installed in heat-insulating material	$t_{a \max} = 35$ °C

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

77 163 K3

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



Service life of the LED

Ambient temperature $t_a = 25$ °C
– at 316,000h: L70B50

max. ambient temperature $t_a = 50$ °C
– at 171,000h: L70B50

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.

Article No. 77 163

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

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.