

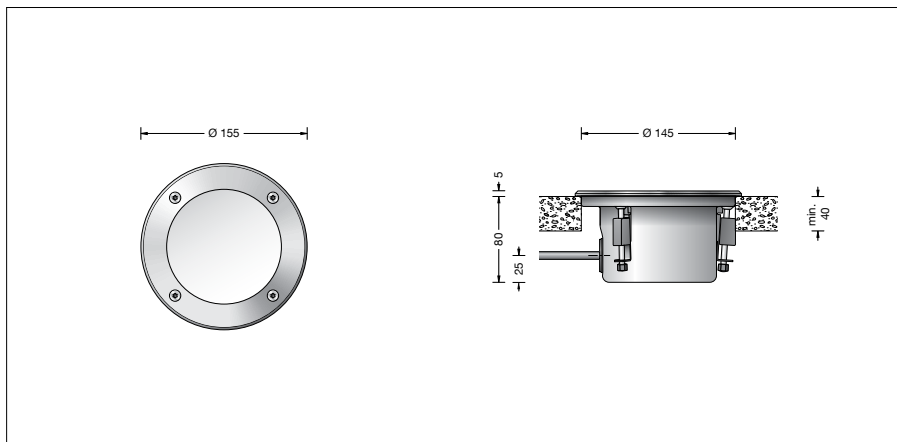
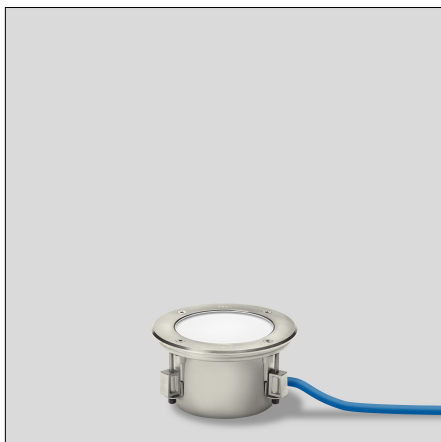
BEGA**77 812**

In-ground luminaire



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of stainless steel
 Steel grade no. 1.4301
 Safety glass, white
 Required recessed opening \varnothing 145 mm
 Minimum material thickness 40 mm
 Fixing is achieved by using three wedge-shaped clamping elements
 1,8 m water-resistant connecting cable
 07RN8-F 3 G 1[□] with implemented water stopper and 1.2 m PVC cable conduit
 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 2,000 kg (~20 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
 – Conformity mark
 Weight: 1.8 kg
 This product contains light sources of energy efficiency classes B, C

Inrush current

Inrush current: 20 A / 170 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 31 luminaires
 B16A: 50 luminaires
 C10A: 52 luminaires
 C16A: 85 luminaires

Application

Recessed location luminaire for installation in cut-outs in floors.
 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	1.3 W
Luminaire connected wattage	2.7 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 55$ °C
When installed in heat-insulating material	$t_{a \max} = 40$ °C

77 812 K27

Module designation	LED-0625/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	270 lm
Luminaire luminous flux	91 lm
Luminaire luminous efficiency	33,7 lm/W

77 812 K3

Module designation	LED-0625/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	280 lm
Luminaire luminous flux	94 lm
Luminaire luminous efficiency	34,8 lm/W

77 812 K4

Module designation	LED-0625/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	290 lm
Luminaire luminous flux	98 lm
Luminaire luminous efficiency	36,3 lm/W

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.

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C
 LED psu: > 50,000 h
 LED module: > 200,000 h (L80B50)
 100,000 h (L90B50)

Ambient temperature max. $t_a = 55$ °C (100 %)
 LED psu: 50,000 h
 LED module: 111,000 h (L80B50)

Accessories

14000740R 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.

Article No. 77 812

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.