

BEGA**88 671**

In-ground luminaire



Project · Reference number

Date

Product data sheet

Application

LED in-ground luminaire with single-sided light sector. For installation in compacted surfaces, paths or 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.

Product description

Luminaire cover made of aluminium alloy
BEGA Unidure® coating technology
Luminaire housing made of cast stainless steel and stainless steel
Steel grade number 1.4571
Optical lens is made of silicate glass
Baseplate with 4 fixing holes
elongated holes 5 mm wide
75 x 75 mm spacing
1,8 m water-resistant connecting cable
05RN8-F 3G 1[□] with implemented water stopper and 1.2 m PVC cable conduit
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 120-370 V
DC Start \geq 198 V
Safety class I
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 ta 15 °C)
 – Safety mark
 – Conformity mark
Weight: 1.4 kg

Inrush current

Inrush current: 10 A / 2,000 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 80 luminaires
B 16A: 157 luminaires
C 10A: 265 luminaires
C 16A: 317 luminaires

Lamp

| | |
|-----------------------------|---------------------|
| Module connected wattage | 1 W |
| Luminaire connected wattage | 2.2 W |
| Rated temperature | $t_a = 25$ °C |
| Ambient temperature | $t_{a,max} = 35$ °C |

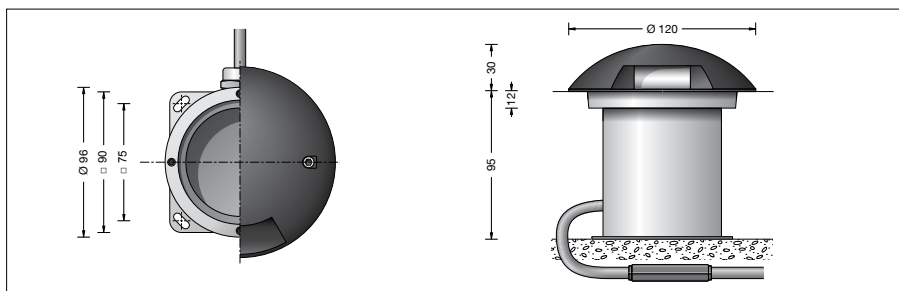
On request we can offer you modifications for environments with higher temperatures as a customized product.

88 671 K3

| | |
|-------------------------------|--------------|
| Module designation | LED-0304/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 150 lm |
| Luminaire luminous flux | 24 lm |
| Luminaire luminous efficiency | 10,9 lm/W |

88 671 K4

| | |
|-------------------------------|--------------|
| Module designation | LED-0304/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 155 lm |
| Luminaire luminous flux | 25 lm |
| Luminaire luminous efficiency | 11,4 lm/W |



Service life of the LED

Ambient temperature $t_a = 25$ °C
– at > 200,000h: L70B50

max. ambient temperature $t_a = 35$ °C
– at > 200,000h: 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. 88 671

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

Accessories

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.