

**BEGA****84 272**

In-ground luminaire

IP 67

Project · Reference number

Date

**Product data sheet****Application**

In-ground luminaire for recessed mounting in compacted surfaces, paths and places.  
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**

Luminaires and installation housings made of highly corrosion-resistant aluminium  
BEGA Tricoat® coating technology  
Ring made of glass fibre reinforced synthetic material  
Crystal glass, white inside  
Recess housing with cable entry for cable conduit, max  $\varnothing$  20 mm  
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  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-264 V  
DALI controllable  
A basic isolation exists between power cable and control line  
Safety class I  
Protection class IP 67  
Dust-tight and protection against temporary immersion  
Pressure load 4,000 kg (~40 kN)  
Impact strength IK10  
Protection against mechanical impacts < 20 joule  
**CE** – Conformity mark  
Weight: 5.2 kg

**Lamp**

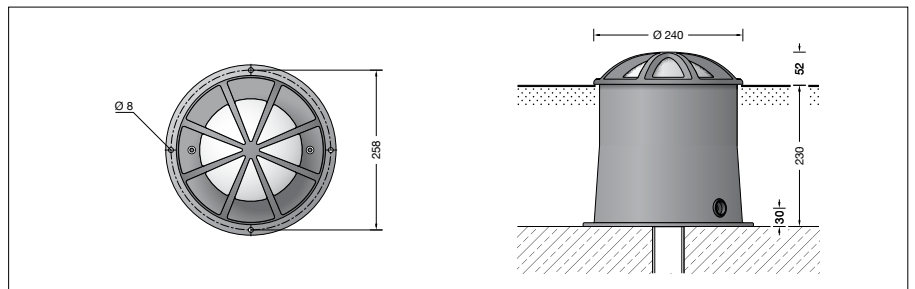
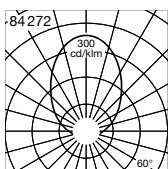
Module connected wattage	3.9 W
Luminaire connected wattage	5 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 50\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 45\text{ °C}$

**84 272 K3**

Module designation	LED-0794/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	750 lm
Luminaire luminous flux	141 lm
Luminaire luminous efficiency	28,2 lm/W

**84 272 K4**

Module designation	LED-0794/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	770 lm
Luminaire luminous flux	145 lm
Luminaire luminous efficiency	29 lm/W

**Light distribution****Service life · Ambient temperature**

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

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	95,000h (L 80 B 50)
	100,000h (L 70 B 50)

**Inrush current**

Inrush current: 7 A / 112  $\mu$ 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

**Article No. 84 272**

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<sup>□</sup>  
**71 053** Distribution box with 10 cable entries  
Connection terminals 6 x 16<sup>□</sup>