

**BEGA****84 156**

In-ground luminaire



Project · Reference number

Date

## Product data sheet

### Application

Recessed location luminaire for recessed mounting 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.

### Product description

Luminaire made of aluminium alloy,  
aluminium and stainless steel  
Cover frame made of stainless steel,  
steel grade number 1.4301  
Recess housing with cable entry for cable  
conduit, max  $\varnothing$  20 mm  
Safety glass, white  
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  
BEGA Ultimate Driver®  
LED power supply unit  
220-240 V ~ 0/50-60 Hz  
DC 176-264 V  
DALI controllable  
A basic isolation exists between power cable  
and control line  
BEGA Thermal Control®  
Temporary thermal regulation to protect  
temperature-sensitive components without  
switching off the luminaire  
Safety class I  
Protection class IP 67  
Dust-tight and protection against temporary  
immersion  
Pressure load 1,000 kg (~10 kN)  
Impact strength IK09  
Protection against mechanical  
impacts < 10 joule  
CE – Conformity mark  
10 DE – Safety mark  
Weight: 5.6 kg

### Inrush current

Inrush current: 5 A / 100  $\mu$ s  
Maximum number of luminaires of this  
type per miniature circuit breaker:

B 10 A: 42 luminaires

B 16 A: 68 luminaires

C 10 A: 42 luminaires

C 16 A: 68 luminaires

### Lamp

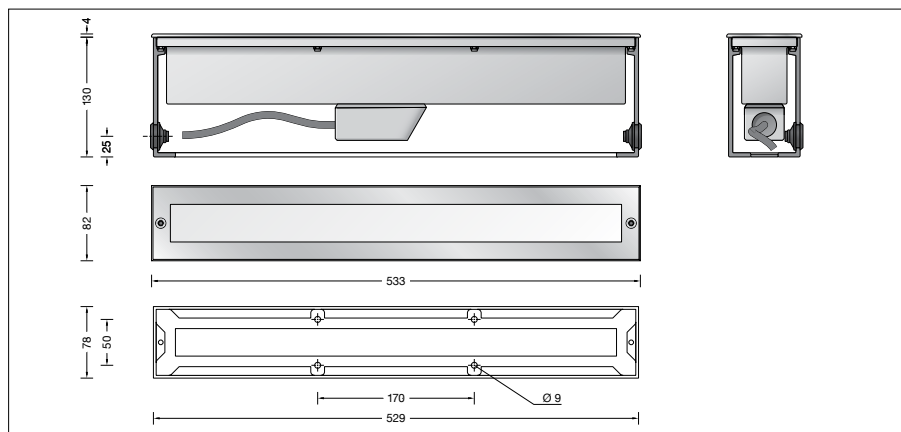
Module connected wattage 15.8 W  
Luminaire connected wattage 18.3 W  
Rated temperature  $t_a = 25^\circ\text{C}$   
Ambient temperature  $t_{a\text{ max}} = 50^\circ\text{C}$   
When installed in heat-insulating  
material  $t_{a\text{ max}} = 35^\circ\text{C}$

### 84 156 K4

Module designation 2x LED-0772/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 3030 lm  
Luminaire luminous flux 1034 lm  
Luminaire luminous efficiency 56,5 lm/W

### 84 156 K3

Module designation 2x LED-0772/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 2950 lm  
Luminaire luminous flux 1006 lm  
Luminaire luminous efficiency 55 lm/W



### Service life · Ambient temperature

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

Ambient temperature  $t_{a\text{ max}} = 50^\circ\text{C}$  (100 %)

LED psu: 50,000 h  
LED module: 80,000 h (L 80 B 50)  
100,000 h (L 70 B 50)

### 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](http://www.bega.com).

### Article No. 84 156

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

### 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>