

BEGA**84 158**

In-ground luminaire

IP 67

Project · Reference number

Date

Product data sheet

Application

Recessed LED 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 5G1[□] with implemented water stopper and 1.2 m PVC cable conduit
LED power supply unit
220-240 V \sim 0/50-60 Hz
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 1,000 kg (~10 kN)
CE – Conformity mark
Weight: 14.2 kg

Lamp

Module connected wattage	47.4 W
Luminaire connected wattage	53.4 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 35\text{ °C}$

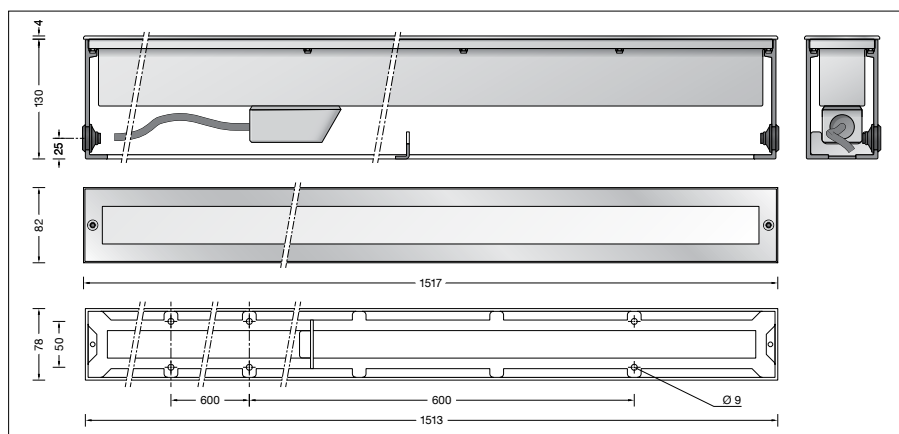
On request we can offer you modifications for environments with higher temperatures as a customized product.

84 158 K4

Module designation	6x LED-0772/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	8790 lm
Luminaire luminous flux	3212 lm
Luminaire luminous efficiency	60,1 lm/W

84 158 K3

Module designation	6x LED-0772/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8550 lm
Luminaire luminous flux	3124 lm
Luminaire luminous efficiency	58,5 lm/W

**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 $t_{a\text{ max}} = 40\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	128,000h (L.80 B.50) 100,000h (L.80 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.

Article No. 84 158

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[□]
71 053 Distribution box with 10 cable entries
Connection terminals 6 x 16[□]

A separate instructions for use can be provided upon request.