

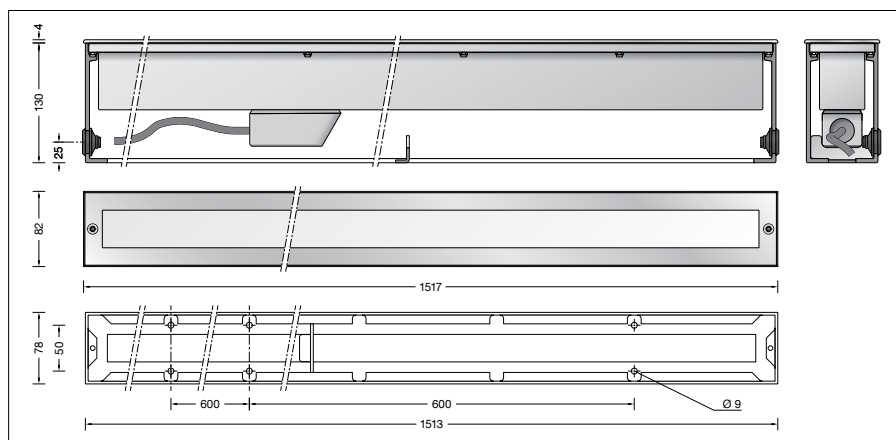
BEGA**84 158**

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 5G1[□] with implemented water stopper and 1.2 m PVC cable conduit
LED power supply unit
220-240 V $\sim$ 0/50-60 Hz
DC 176-276 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
Maximum surface temperature 30 °C (measured according to EN 60598 of t_a 15 °C)
CE – Conformity mark
 – Safety mark
Weight: 14.2 kg
This product contains light sources of energy efficiency classes C, D

Lamp

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

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

84 158 K27

Module designation	6x LED-0772/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	8580 lm
Luminaire luminous flux	3135 lm
Luminaire luminous efficiency	58,7 lm/W

84 158 K3

Module designation	6x LED-0772/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8850 lm
Luminaire luminous flux	3234 lm
Luminaire luminous efficiency	60,6 lm/W

84 158 K4

Module designation	6x LED-0772/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	9090 lm
Luminaire luminous flux	3321 lm
Luminaire luminous efficiency	62,2 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature max. $t_a = 40$ °C (100 %)	
LED psu:	50,000 h
LED module:	128,000 h (L80 B50)

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 our website at www.bega.com.

Inrush current

Inrush current: 20 A / 240 μ s
Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	12 luminaires
B 16A:	20 luminaires
C 10A:	12 luminaires
C 16A:	20 luminaires

Article No. 84 158

LED colour temperature optionally 2700 K, 3000 K or 4000 K
2700 K – Article number + **K2**
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.