

BEGA**84 161**

In-ground luminaire

IP 67

Project · Reference number

Date

Product data sheet

Application

LED floodlight with symmetrical light distribution. 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

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
Matt safety glass
Reflector surface made of pure aluminium
1,8 m water-resistant connecting cable
07RN8-F 5 G 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 176-276 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 1,000 kg (10 kN)
CE – Conformity mark
Weight: 14.6 kg

Inrush current

Inrush current: 53 A / 200 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 8 luminaires
B 16A: 13 luminaires

Lamp

Module connected wattage	48 W
Luminaire connected wattage	54 W
Rated temperature	$t_a = 25\text{ }^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ }^\circ\text{C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 35\text{ }^\circ\text{C}$

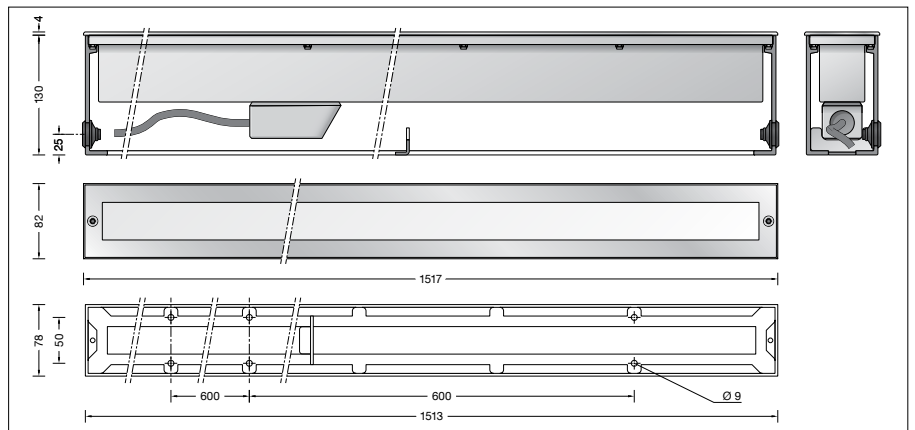
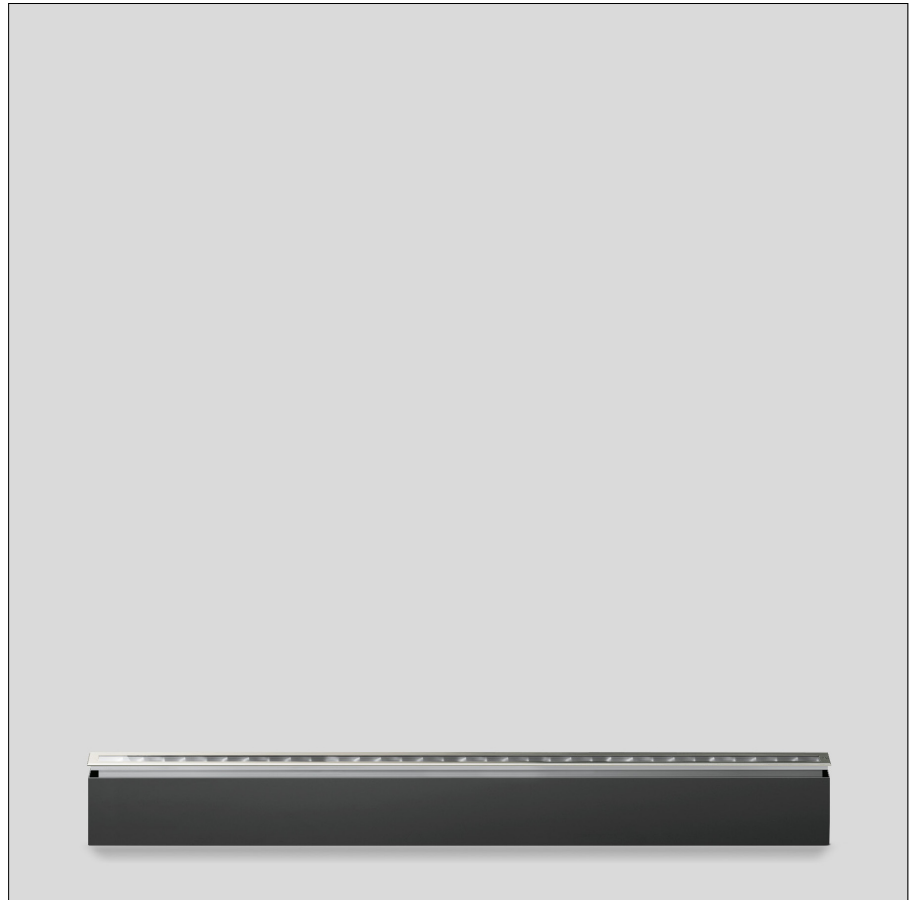
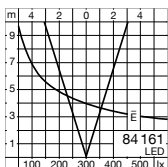
On request we can offer you modifications for environments with higher temperatures as a customized product.

84 161 K4

Module designation	6x LED-0772/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	8580 lm
Luminaire luminous flux	3415 lm
Luminaire luminous efficiency	63,2 lm/W

84 161 K3

Module designation	6x LED-0772/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8400 lm
Luminaire luminous flux	3344 lm
Luminaire luminous efficiency	61,9 lm/W

Light distribution**Service life of the LED**

Ambient temperature $t_a = 25\text{ }^\circ\text{C}$
– at 345,000h: L70B50

max. ambient temperature $t_a = 40\text{ }^\circ\text{C}$
– at 186,000h: L70B50

Lighting technology

Half beam angle 34°
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website www.bega.com.

Article No. 84 161

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 $5 \times 4^{\square}$
71 053 Distribution box with 10 cable entries
Connection terminals $6 \times 16^{\square}$