

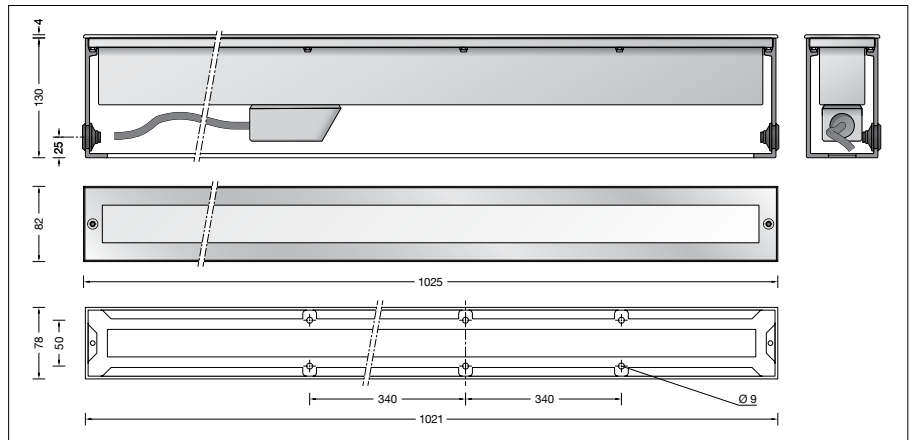
BEGA**84 160**

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
BEGA Vortex Optics®
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 176-264 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)
CE – Conformity mark
Weight: 10.0 kg

Lamp

Module connected wattage	31.6 W
Luminaire connected wattage	35.6 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 30\text{ °C}$

84 160 K4

Module designation	4x LED-0772/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6060 lm
Luminaire luminous flux	2236 lm
Luminaire luminous efficiency	62,8 lm/W

84 160 K3

Module designation	4x LED-0772/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5900 lm
Luminaire luminous flux	2175 lm
Luminaire luminous efficiency	61,1 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L.80 B50)
	100,000 h (L.90 B50)

Ambient temperature $t_{a\text{ max}} = 40\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	165,000 h (L.80 B50)

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (85 %)	
LED psu:	50,000 h
LED module:	50,000 h

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Inrush current

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

B 10A:	42 luminaires
B 16A:	68 luminaires
C 10A:	42 luminaires
C 16A:	68 luminaires

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. 84 160

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[□]

Light distribution

