

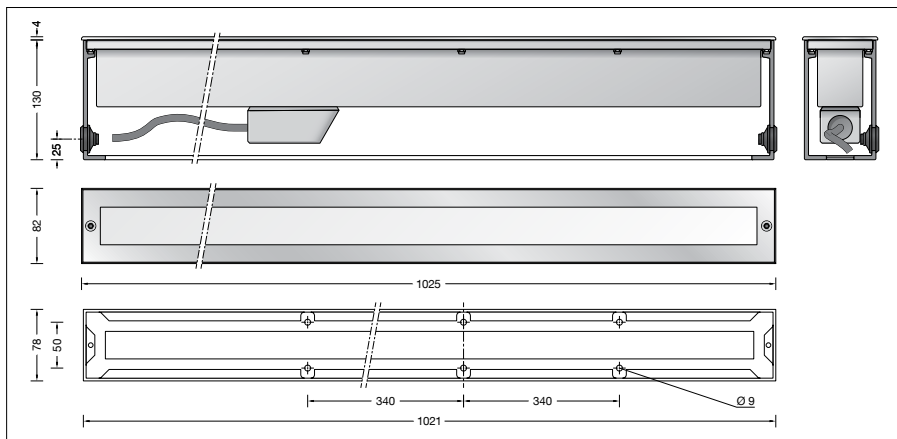
BEGA**84 163**

In-ground luminaire

IP 67

Project · Reference number

Date



Product data sheet

Application

LED floodlight with asymmetrical light distribution for installation in compacted surfaces. Drive-over luminaire from 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 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 176-264 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: 10.0 kg

Lamp

Module connected wattage	31.6 W
Luminaire connected wattage	35.2 W
Rated temperature	$t_a = 25\text{ }^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ }^\circ\text{C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 30\text{ }^\circ\text{C}$

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

84 163 K4

Module designation	4x LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	5860 lm
Luminaire luminous flux	3234 lm
Luminaire luminous efficiency	94,4 lm/W

84 163 K3

Module designation	4x LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5700 lm
Luminaire luminous flux	3234 lm
Luminaire luminous efficiency	91,9 lm/W

Service life of the LED

Ambient temperature $t_a = 25\text{ }^\circ\text{C}$
 – at 184,000h: L70B50

max. ambient temperature $t_a = 35\text{ }^\circ\text{C}$
 – at 137,000h: L70B50

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

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

Inrush current

Inrush current: 5 A / 100 μs
 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 46/53°
 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. 84 163

LED colour temperature optionally 4000K or 3000K
 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

