

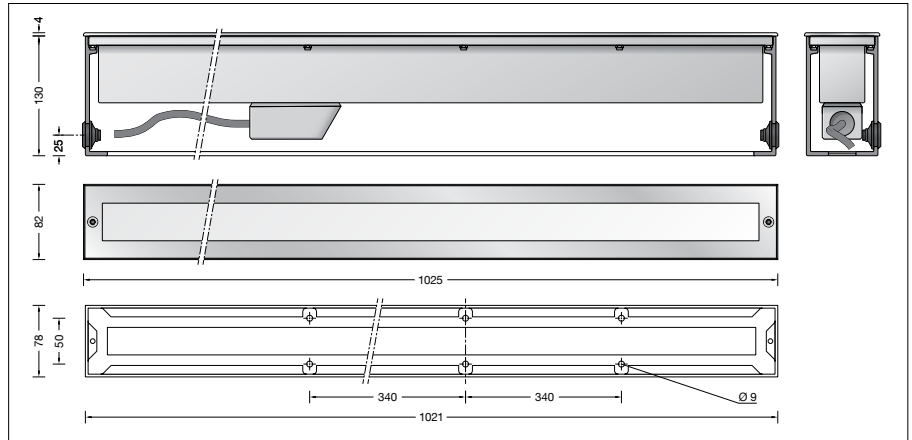
BEGA**84 166**

In-ground luminaire

IP 67

Project · Reference number

Date



Product data sheet

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)
 Impact strength IK09
 Protection against mechanical impacts < 10 joule
CE – Conformity mark
 Weight: 10,0 kg

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.

Lamp

Module connected wattage	31.6 W
Luminaire connected wattage	35.6 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 30\text{ °C}$

84 166 K4

Module designation	4x LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	5860 lm
Luminaire luminous flux	3757 lm
Luminaire luminous efficiency	105,5 lm/W

84 166 K3

Module designation	4x LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5700 lm
Luminaire luminous flux	3654 lm
Luminaire luminous efficiency	102,6 lm/W

Lighting technology

Half beam angle 55°

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.

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

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	196,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{ max}} = 35\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	105,000 h (L 80 B 50)

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$ (85 %)	
LED psu:	50,000 h
LED module:	> 50,000 h (L 70 B 50)

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

Article No. 84 166

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

