

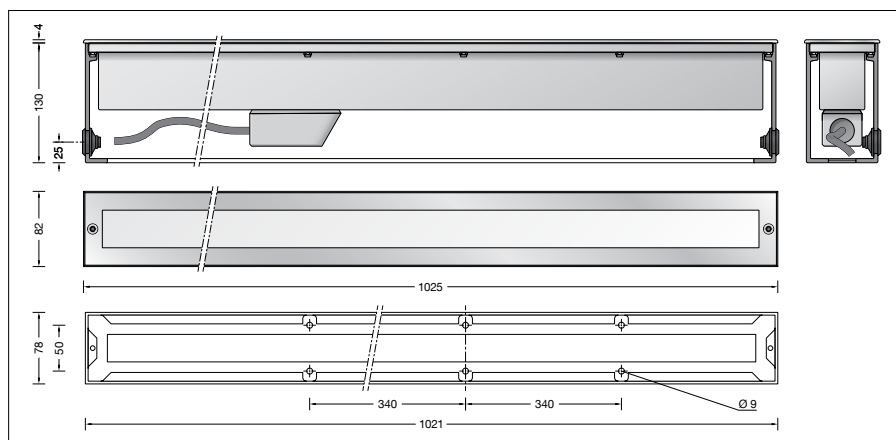
BEGA**84 157**

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
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V ~ 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
 Maximum surface temperature 30 °C (measured according to EN 60598 of t_a 15 °C)
CE – Conformity mark
 – Safety mark
 Weight: 9.4 kg
 This product contains light sources of energy efficiency class(es) C, D

Lamp

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

84 157 K27

Module designation	4x LED-0772/827
Colour temperature	2700 K
Colour rendering index	CRI > 80
Module luminous flux	5720 lm
Luminaire luminous flux	1967 lm
Luminaire luminous efficiency	55,3 lm/W

84 157 K3

Module designation	4x LED-0772/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5900 lm
Luminaire luminous flux	2029 lm
Luminaire luminous efficiency	57 lm/W

84 157 K4

Module designation	4x LED-0772/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6060 lm
Luminaire luminous flux	2086 lm
Luminaire luminous efficiency	58,6 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Ambient temperature max. $t_a = 40$ °C (100 %)

LED psu:	50,000 h
LED module:	165,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50$ °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.

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: 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

Article No. 84 157

LED colour temperature optionally 2700 K, 3000 K or 4000 K
 2700 K – Article number + **K27**
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**

Accessories

70 730 Distribution box for installation in soil with 7 cable entries
 Connection terminals 5 x 4[□]