

**BEGA****84 081**

Surface-mounted luminaire



Project · Reference number

Date

## Product data sheet

### Application

LED on-ground luminaire for light from a very low mounting height. The asymmetrical and flat beam light distribution is suitable for glare-free illumination of ground surfaces even far ahead of where the luminaire is installed. Luminaires for providing spatial illumination of driveways and wide footpaths or for illuminating the borders of square-like areas.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Safety glass with optical structure  
 Luminaire with mounting plate for bolting onto a foundation or an anchorage unit  
 Mounting plate is made of steel  
 Steel grade no. S235 JRH galvanised according to EN ISO 1461 with 2 elongated holes  
 Width 9 mm · 220 mm spacing  
 Connection box with cable entries for through-wiring of mains supply cable  $\varnothing 9 - 16 \text{ mm}$  max.  $5 \times 4$ <sup>□</sup>  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-280 V  
 DALI controllable  
 A basic isolation exists between power cable and control line  
 BEGA Thermal Switch®  
 Temporary thermal shutdown to protect temperature-sensitive components  
 Safety class I  
 Protection class IP 65  
 Dust-tight and protection against water jets  
 Impact strength IK07  
 Protection against mechanical impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 9.0 kg

### Inrush current

Inrush current: 5 A / 50  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B10A: 31 luminaires  
 B16A: 50 luminaires  
 C10A: 52 luminaires  
 C16A: 85 luminaires

### Lamp

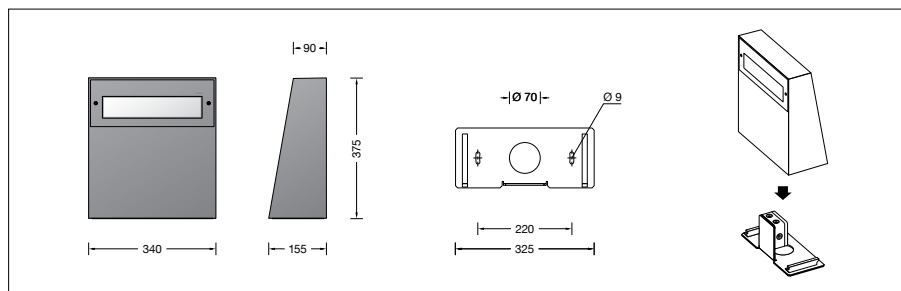
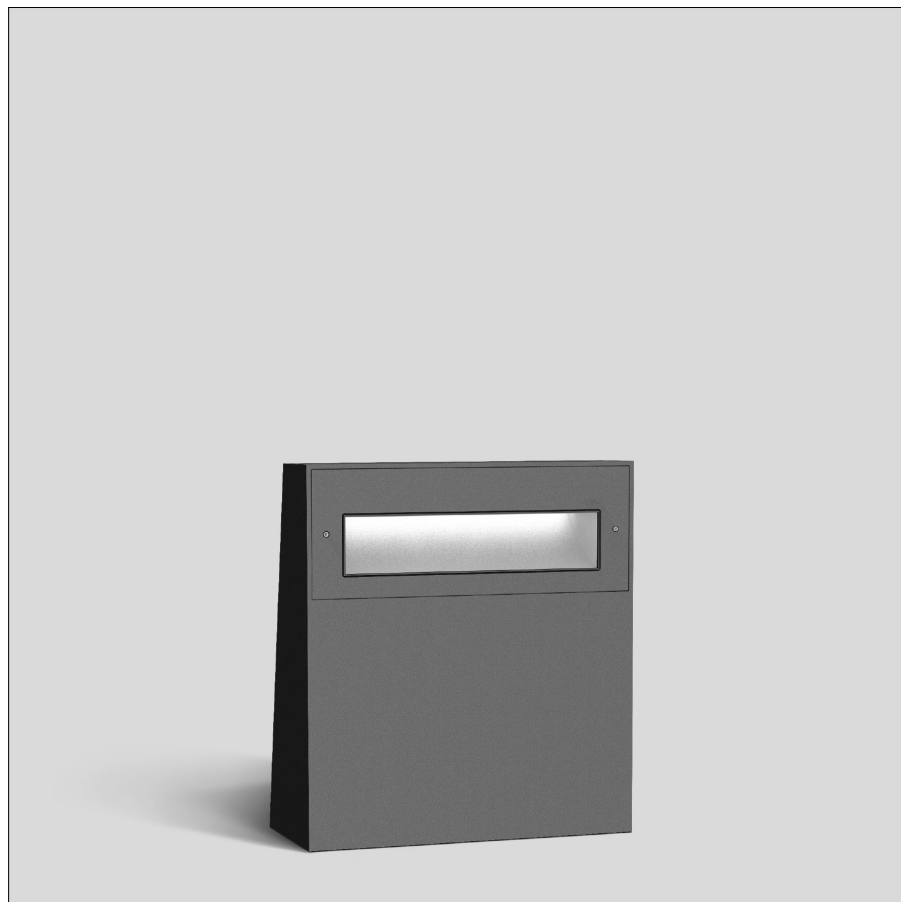
Module connected wattage	12.2 W
Luminaire connected wattage	14.5 W
Rated temperature	$t_a = 25 \text{ }^\circ\text{C}$
Ambient temperature	$t_{a \text{ max}} = 50 \text{ }^\circ\text{C}$

### 84 081 K3

Module designation	LED-0633/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1885 lm
Luminaire luminous flux	848 lm
Luminaire luminous efficiency	58,5 lm/W

### 84 081 K4

Module designation	LED-0633/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1905 lm
Luminaire luminous flux	856 lm
Luminaire luminous efficiency	59 lm/W



### Service life · Ambient temperature

Rated temperature $t_a = 25 \text{ }^\circ\text{C}$	
LED psu:	> 50,000h
LED module:	> 200,000h (L80B50)
	100,000h (L90B50)

Ambient temperature $t_{a \text{ max}} = 50 \text{ }^\circ\text{C}$ (100 %)	
LED psu:	50,000h
LED module:	170,000h (L80B50)
	100,000h (L70B50)

### Light technique

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page [www.bega.com](http://www.bega.com).

### Article No. 84 081

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

Colour graphite or silver  
 graphite – article number  
 silver – article number + **A**

### Accessories

**71 890** Anchorage unit  
 Anchorage unit with mounting flange made of galvanised steel. Total length 400 mm.  
 2 stainless steel fixing screws M 8.  
 220 mm spacing

See the separate instructions for use.