

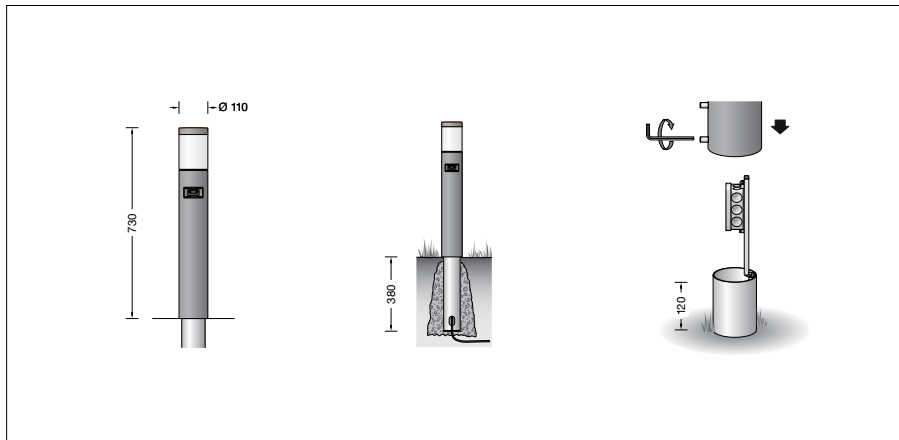
**BEGA****84 314**

Garden and pathway luminaire

IP 65

Project · Reference number

Date



## Product data sheet

**Product description**

Luminaire made of cast aluminium, aluminium and stainless steel  
Opal glass with screw neck  
Silicone gasket  
Luminaire with anchorage unit for fixing in the soil  
The anchorage unit is made of galvanised steel according to EN ISO 1461  
Mounting bracket with connection box for through-wiring up to  $3 \times 2,5^2$   
Passive infrared motion sensor (PIR)  
Range up to 12 m  
Opening angle  $120^\circ - 150^\circ$   
Minimum temperature difference between moving object and environment  $4^\circ\text{C}$   
Object speed 1 m/s  
Adjustable sensitivity of the motion sensor (inertia)  
Shut-down delay adjustable between 5 s and 240 min  
Light sensor: adjustable value range from darkness to daylight  
Fixed hysteresis for suppression of rapid brightness fluctuations  
Transmission frequency range:  
2400 - 2483.5 MHz  
Maximum transmission output: 10 mW  
Luminaire switchable via relay output (on/off)  
Relay contact with a switching capacity of  $2300\text{ W} \cdot 10\text{ A}$   
Please note the starting current of the switching loads – max. 100 A  
Ambient temperature:  $-25^\circ\text{C}$  to  $+55^\circ\text{C}$   
LED power supply unit  
Starting current: 8 A (112  $\mu\text{s}$ )  
220-240 V  $\sim$  50-60 Hz  
Safety class I  
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK04  
Protection against mechanical impacts < 0.5 joule  
**CE** – Conformity mark  
Weight: 5.0 kg

**Application**

Unshielded LED garden and path luminaire with rotationally symmetrical light distribution for effective illumination in private gardens.  
The integrated passive infrared motion and light sensor responds to heat radiation and activates in case of human or animal movement in the vicinity of the sensor.  
Configuration is done via a smartphone using the free BEGA Tool app.

**Lamp**

Module connected wattage 3.9 W  
Luminaire connected wattage 5.4 W  
Rated temperature  $t_a = 25^\circ\text{C}$   
Ambient temperature  $t_{a\text{max}} = 50^\circ\text{C}$

**84 314 K3**

Module designation LED-0265/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 750 lm  
Luminaire luminous flux 463 lm  
Luminaire luminous efficiency 85,7 lm/W

**84 314 K4**

Module designation LED-0265/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 770 lm  
Luminaire luminous flux 475 lm  
Luminaire luminous efficiency 88 lm/W

**Service life · Ambient temperature**

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

Ambient temperature  $t_{a\text{max}} = 50^\circ\text{C}$  (100 %)  
LED psu: 50,000 h  
LED module: 149,000 h (L.80 B50)

**Inrush current**

Inrush current: 7 A / 112  $\mu\text{s}$   
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10 A: 38 luminaires  
B 16 A: 61 luminaires  
C 10 A: 64 luminaires  
C 16 A: 102 luminaires

**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).  
Recommended light point interval 7 m.

**Article No. 84 314**

LED colour temperature optionally 3000 K or 4000 K  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**  
Colour graphite or silver  
graphite – article number  
silver – article number + **A**

**Light distribution**