

**BEGA****77 223**

Garden and pathway luminaire



Project · Reference number

Date

## Product data sheet

### Application

Unshielded garden and path luminaire for effective illumination in private gardens. Luminaire with hand-blown, three-ply opal glass and pleasantly uniform light effect.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Colour graphite or silver  
 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  
 Connection set with gasket insert and drip-proof cap for through-wiring power connecting cables of  $\varnothing$  10–13,5 mm, max.  $3 \times 2.5^2$   
 BEGA Ultimate Driver®  
 LED power supply unit  
 220–240 V  $\sim$  0/50–60 Hz  
 DC 176–280 V  
 BEGA Thermal Control®  
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
 Safety class I  
 Protection class IP 65  
 Dust-tight and protection against water jets  
 Impact strength IK03  
 Protection against mechanical impacts < 0.35 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 2.8 kg  
 This product contains light sources of energy efficiency class(es) D

### Inrush current

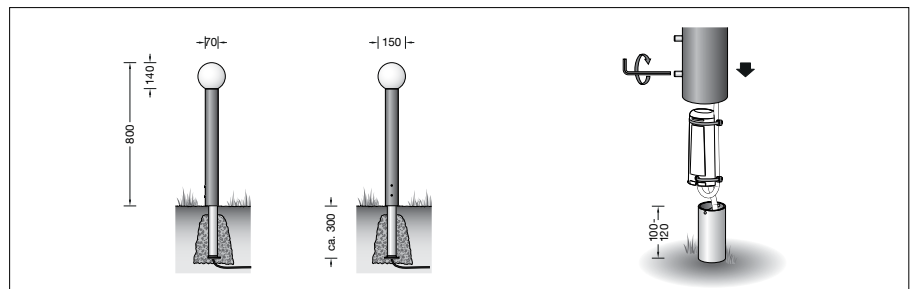
Inrush current: 5 A / 40  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 50 luminaires  
 B 16A: 50 luminaires  
 C 10A: 80 luminaires  
 C 16A: 80 luminaires

### Lamp

Module connected wattage	3.9 W
Luminaire connected wattage	4.8 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 50^\circ\text{C}$

### 77 223 K3

Module designation	LED-1209/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	580 lm
Luminaire luminous flux	539 lm
Luminaire luminous efficiency	112,3 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 B 50)
	100,000 h (L 90 B 50)
Ambient temperature max. $t_a = 50^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	175,000 h (L 80 B 50)

### Ratio of luminous flux

Luminous flux upper half-space	56,9 %
Luminous flux lower half-space	43,1 %

BUG rating according to IES TM-15-07:  
0–3–1

CEN Flux Code according to EN 13032-2:  
26–45–78–43–100–31–60–82–57

### Article No. 77 223

Colour graphite, silver or bronze  
 graphite – article number  
 silver – article number + **A**  
 bronze – article number + **B**

### Lighting technology

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 are available on the BEGA website at [www.bega.com](http://www.bega.com).  
 Recommended light point interval 6 m

### Light distribution

