

**BEGA****77 277**

Garden luminaire



Project · Reference number

Date

## Product data sheet

### Application

Garden and pathway luminaires with downward-directed light for effective lighting in private gardens.

Luminaire for the uniform and glare-free illumination of ground surfaces.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Safety glass with optical structure  
 Silicone gasket  
 Luminaire with mounting plate to screw onto a foundation  
 with 4 elongated holes  
 Width 4.5 mm · pitch circle  $\varnothing$  80 mm  
 BEGA Ultimate Driver®  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-264 V  
 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  
**CE** – Conformity mark  
 Weight: 1.1 kg

### Inrush current

Inrush current: 7 A / 112  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B10A: 38 luminaires  
 B16A: 61 luminaires  
 C10A: 64 luminaires  
 C16A: 102 luminaires

### Light technique

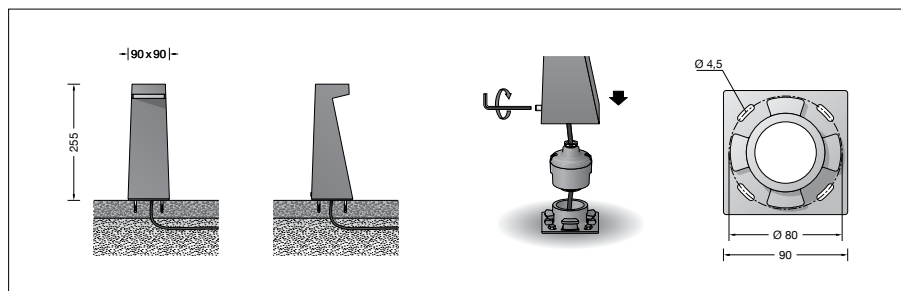
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page [www.bega.com](http://www.bega.com).  
 Recommended light point interval 4 m.

### Lamp

|                             |                                  |
|-----------------------------|----------------------------------|
| Module connected wattage    | 3.8 W                            |
| Luminaire connected wattage | 4.9 W                            |
| Rated temperature           | $t_a = 25^\circ\text{C}$         |
| Ambient temperature         | $t_{a, \max} = 50^\circ\text{C}$ |

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|                               |              |
|-------------------------------|--------------|
| Module designation            | LED-0490/830 |
| Colour temperature            | 3000 K       |
| Colour rendering index        | CRI > 80     |
| Module luminous flux          | 755 lm       |
| Luminaire luminous flux       | 236 lm       |
| Luminaire luminous efficiency | 48,2 lm/W    |



### Service life · Ambient temperature

|  |  |
|--|--|
| Rated temperature $t_a = 25^\circ\text{C}$ |  |
| LED psu:                                   | > 50,000 h                                   |
| LED module:                                | > 200,000 h (L80 B50)<br>100,000 h (L90 B50) |

|  |   |
|--|---|
| Ambient temperature $t_{a, \max} = 50^\circ\text{C}$ (100 %) |   |
| LED psu:   | 50,000 h                                  |
| LED module:  | 97,000 h (L80 B50)<br>100,000 h (L70 B50) |

### Article No. 77 277

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

### Accessories

Distribution box for installation in soil  
**70 730** Distribution box with 7 cable entries  
 Connection terminals 5 x 4<sup>□</sup>  
**71 053** Distribution box with 10 cable entries  
 Connection terminals 6 x 16<sup>□</sup>

See the separate instructions for use.