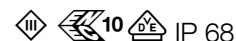


**BEGA****99 812**

Swimming pool luminaire



Project · Reference number

Date

## Product data sheet

### Application

Recessed mounted swimming pool luminaire for illumination of public or private swimming and bathing pools.

- pools with tiled walls
- pools with foil cladding
- metal or plastic pools

Recommended installation depth  
400 to 700 mm below water level.

### Product description

Luminaire made of stainless steel  
– Steel grade 1.4401 –  
Clear safety glass  
Silicone gasket  
Anodised pure aluminium reflector  
3 m chlorine water resistant connecting cable  
05RN8-F 2 x 1<sup>□</sup> · Cable colour blue  
Recessed housing and lamp housing with  
1 screw cable gland each  
Hose connection at recessed housing  
for soft PVC hose  $\varnothing$  28 x 3.5 mm  
The PVC hose is not included and must be  
provided by others  
BEGA - Order No. 62000250  
Safety class III  $\diamond$   
Protection class IP 68 10 m  
Dust-tight and water pressure tight  
Maximum submersion depth 10 m  
Weight: 1.9 kg

### Transformer

Connection must only be made to a  
safety transformers according to  
DIN EN 61558/VDE 0570, part 2-6.  
Transformer must be approved for this type of  
installation.

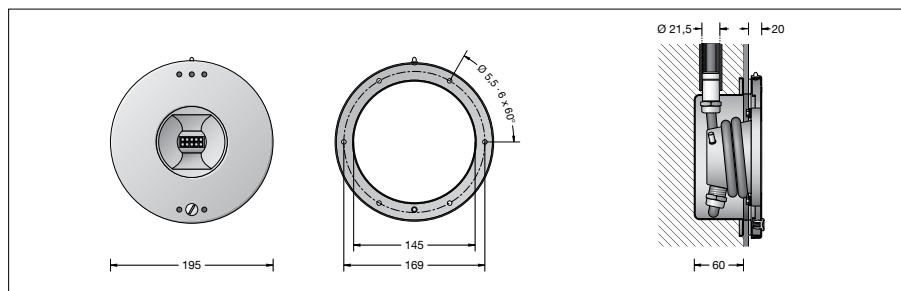
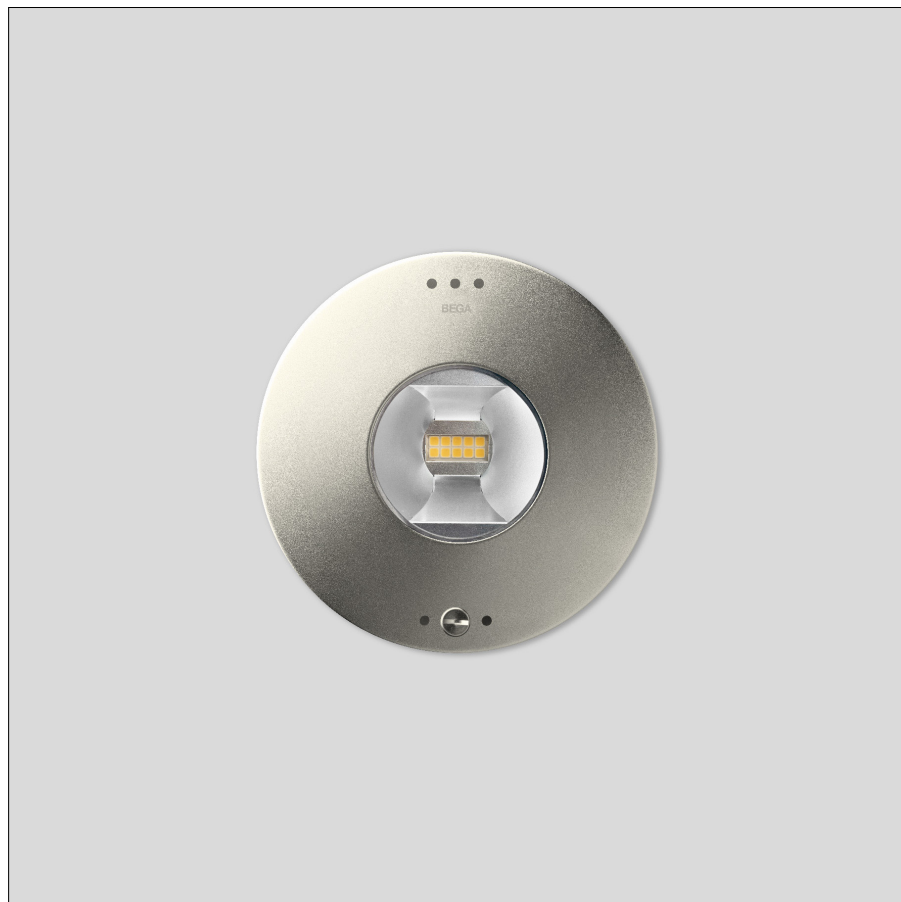
### Lamp

|                             |                            |
|-----------------------------|----------------------------|
| Module connected wattage    | 8.4 W                      |
| Luminaire connected wattage | 9.9 W                      |
| Rated temperature           | $t_a = 25\text{ °C}$       |
| Ambient temperature         | $t_{a,max} = 65\text{ °C}$ |
| Voltage                     | 24 V = DC                  |

### 99 812 K3

|                                |              |
|--------------------------------|--------------|
| Module designation             | LED-0399/830 |
| Colour temperature             | 3000 K       |
| Colour rendering index         | CRI > 80     |
| Module luminous flux           | 1160 lm      |
| Luminaire luminous flux*       | 815 lm       |
| Luminaire luminous efficiency* | 82,3 lm/W    |

\* preliminary data



### Service life · Ambient temperature

|  |  |
|--|--|
| Rated temperature $t_a = 25\text{ °C}$ |  |
| LED psu:                               | > 50,000h                                |
| LED module:                            | > 200,000h (L80B50)<br>100,000h (L90B50) |

|  |                                      |
|--|--------------------------------------|
| Ambient temperature $t_{a,max} = 65\text{ °C}$ (100 %) |                                      |
| LED psu:   | 50,000h                              |
| LED module:  | 43,000h (L80B50)<br>66,000h (L70B50) |

### Light technique

Installation depth 400 to 700 mm below water level.

In order to achieve uniform luminance distribution for private swimming pools, we recommend an axis distance of 2.00 - 3.00 m.

### Accessories

BEGA Safety transformers according to  
DIN EN 61558/VDE 0570, part 2-6

|               |                                 |
|---------------|---------------------------------|
| <b>70 564</b> | Power supply unit for 0 - 15 W  |
| <b>70 465</b> | Power supply unit for 0 - 25 W  |
| <b>70 565</b> | Power supply unit for 0 - 35 W  |
| <b>70 566</b> | Power supply unit for 0 - 50 W  |
| <b>70 567</b> | Power supply unit for 0 - 75 W  |
| <b>70 169</b> | Power supply unit for 0 - 150 W |

**70 223** Recessed distribution box for flush installation into floors or in walls. For the installation of cable for the swimming pool luminaire safety class III

### Light distribution

