

**BEGA****99 814**

Swimming pool luminaire



Project · Reference number

Date

## Product data sheet

### Application

Recessed swimming pool luminaire for the illumination of public and private swimming and bathing pools with drinking water supply.

- Pool with wall tiles
- Pool with film lining
- Metal or synthetic pool

### Please note:

The luminaire is intended solely for use under water. Recommended installation depth 400 to 700 mm below the water surface.

Direct or indirect contact with baser foreign metals via swimming pool water, tools, etc. must be prevented.

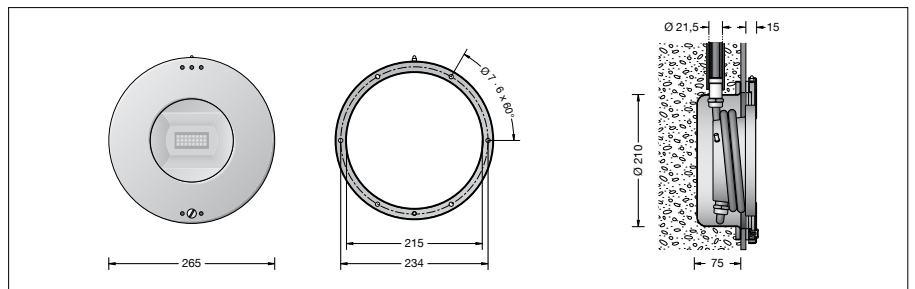
For water in swimming pools and bathing pools in accordance with DIN 19643 and typical pool water temperatures (max. 40 °C), the luminaire can be used in water with a chloride ion concentration of up to 500 mg/l.

The swimming pool luminaire is not suitable for brine pools, salt water pools or salt water electrolysis disinfection.

A control unit and a 24 V safety direct voltage source with a smoothed residual ripple of max. 10 % is required for the operation of the luminaire – see accessories.

### Product description

Swimming pool luminaire made of stainless steel – material no. 1.4404 – electropolished  
 Safety glass, clear  
 Silicone gasket  
 Reflector made of pure anodised aluminium  
 3 m Connecting cable 05RN8-F 2 x 1<sup>□</sup> suitable for laying underwater  
 Shell colour blue  
 Installation and luminaire housing with 1 screw cable gland each  
 Hose connection on installation housing for soft PVC protective hose ø 20 x 3 mm  
 PVC protective hose for cable routing must be provided by the customer  
 BEGA article number 62000250  
 Safety class III   
 Protection class IP68 10m · Water pressure tight  
 Maximum submersion depth 10 m  
 Weight: 3.2 kg



### Lamp

Module connected wattage	15.5 W
Luminaire connected wattage	18.3 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{max}} = 65\text{ °C}$
Voltage	24 V = DC

### 99 814 K3

Module designation	LED-1196/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3010 lm
Luminaire luminous flux*	2257 lm
Luminaire luminous efficiency*	123,3 lm/W

\* preliminary data

### Service life · Ambient temperature

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

Ambient temperature max.	$t_a = 65\text{ °C}$ (100 %)
LED module:	100,000h (L80B50)

### 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 61558-2-6/VDE 0570, part 2-6

<b>70 564</b>	Power supply unit for	5 - 15 W
<b>70 465</b>	Power supply unit for	10 - 25 W
<b>70 565</b>	Power supply unit for	20 - 35 W
<b>70 566</b>	Power supply unit for	30 - 50 W
<b>70 567</b>	Power supply unit for	40 - 75 W
<b>70 169</b>	Power supply unit for	70 - 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

For the accessories a separate instructions for use can be provided upon request.

### Light distribution

