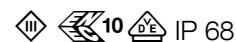


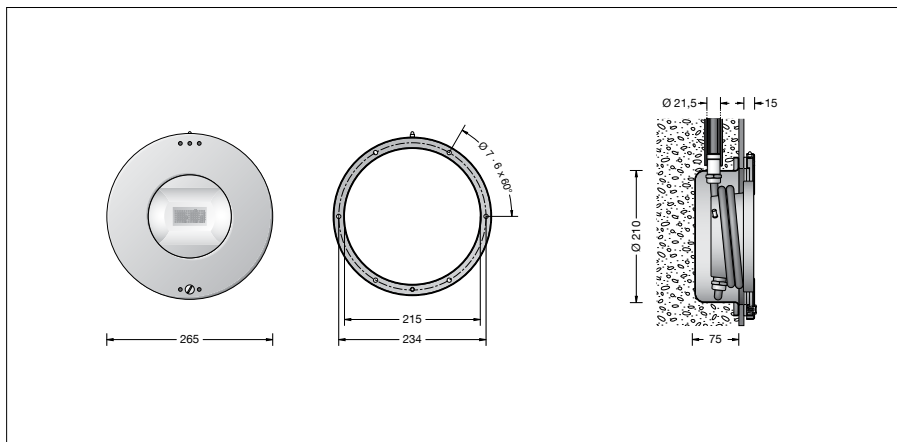
**BEGA****84 400**

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.

The requirements set out in IEC 60364-7-702 (e.g. areas, ambient zones, etc.) are mandatory for the correct installation of the luminaire.

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 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 × 1<sup>2</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  $\varnothing$  20 × 3 mm  
PVC protective hose for cable routing must be provided by the customer  
BEGA article number 62000250  
Safety class III  $\diamond$   
Protection class IP68 10 m · Water pressure tight  
Maximum submersion depth 10 m  
Weight: 3.2 kg  
This product contains light sources of energy efficiency class(es) D

### Lamp

Module connected wattage	49.7 W
Luminaire connected wattage	62 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 55^\circ\text{C}$
Voltage	24 V = DC

### 84 400 K3

Module designation	LED-1193/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8200 lm
Luminaire luminous flux*	5000 lm
Luminaire luminous efficiency*	80,6 lm/W

\* preliminary data

### 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.

### Service life · Ambient temperature

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

Ambient temperature max.  $t_a = 55^\circ\text{C}$  (100 %)  
LED module: 140,000 h (L 80 B 50)

### Accessories

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

**70 567** Power supply unit for 40 - 75 W

**70 169** 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

