

**BEGA****99 814**

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

Swimming pool luminaire made of stainless steel

– steel grade no. 1.4401 – electro polished

Clear safety glass · Silicone gasket

Anodised pure aluminium reflector

Chlorine water resistant connecting cable

05RN8-F 2 x 1<sup>□</sup> · Sheathing colour blue

Cable length 3 m

Recessed housing and lamp housing with  
1 screw cable gland each

Hose connection on recessed housing for  
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. 62 000 250

Safety class III

Protection class IP 68 10 m

Water pressure tight

Maximum immersion depth 10 m

Weight: 3.2 kg

### Lamp

Module connected wattage 15.5 W

Luminaire connected wattage 18.3 W

Rated temperature  $t_a = 25\text{ }^\circ\text{C}$

Ambient temperature  $t_{a\text{ max}} = 65\text{ }^\circ\text{C}$

### 99 814 K3

Module designation LED-0400/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 3010 lm

Luminaire luminous flux\* 2081 lm

Luminaire luminous efficiency\* 113,7 lm/W

\* preliminary data

### Service life · Ambient temperature

Rated temperature  $t_a = 25\text{ }^\circ\text{C}$

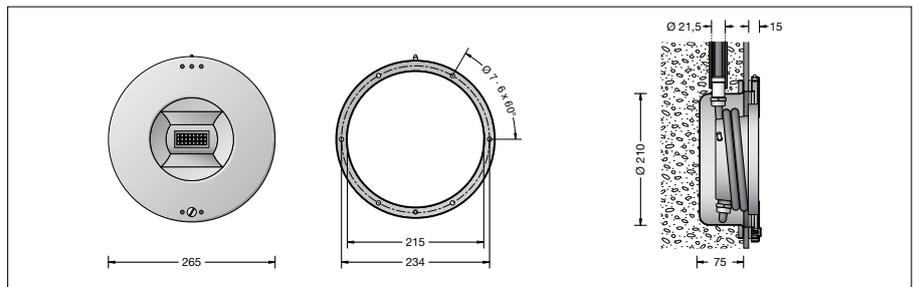
LED psu: > 50,000 h

LED module: > 200,000 h (L80 B50)  
100,000 h (L90 B50)

Ambient temperature  $t_{a\text{ max}} = 65\text{ }^\circ\text{C}$  (100 %)

LED psu: 50,000 h

LED module: 88,000 h (L80 B50)  
100,000 h (L70 B50)



### 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

**70 565** Power supply unit for 0- 35 W

**70 566** Power supply unit for 0- 50 W

**70 567** Power supply unit for 0- 75 W

**70 169** 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

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

### Light distribution

