

BEGA**99 814**

Swimming pool luminaire

Project · Reference number

Date

Product data sheet

Application

LED 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[□] · 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. 620250

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 15.7 W

Luminaire connected wattage 18.5 W

Rated temperature $t_a = 25\text{ °C}$

Ambient temperature $t_{a\text{ max}} = 50\text{ °C}$

99 814 K3

Module designation LED-0400/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 2855 lm

Luminaire luminous flux* 1974 lm

Luminaire luminous efficiency* 106,7 lm/W

* preliminary data

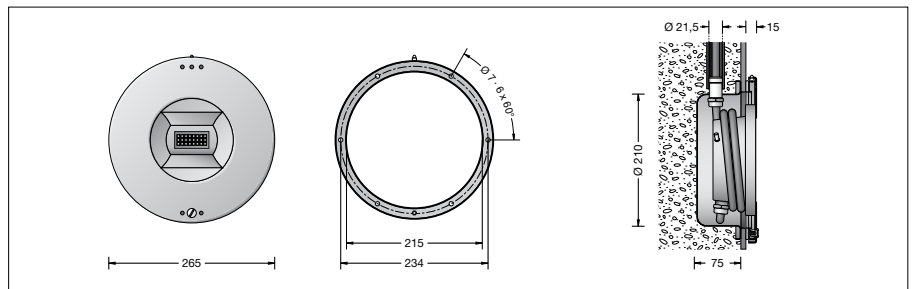
Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$

– at > 500,000h: L70B50

max. ambient temperature $t_a = 50\text{ °C}$

– at 324,000h: 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

70 565 Power supply unit for 20 - 35 W

70 566 Power supply unit for 30 - 50 W

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.