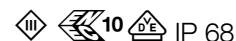


BEGA**84 400**

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

Please note:

The luminaire is only suitable for operation under water. 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. 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	51 W
Luminaire connected wattage	62 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

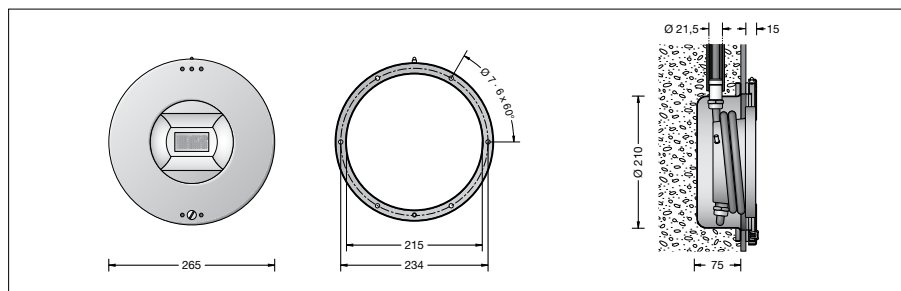
On request we can offer you modifications for environments with higher temperatures as a customized product.

Voltage 24 V = DC

84 400 K3

Module designation	LED-0679/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6655 lm
Luminaire luminous flux*	4610 lm
Luminaire luminous efficiency*	74,4 lm/W

* preliminary data



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000h
LED module:	180,000h (L80 B50)
	100,000h (L90 B50)

Ambient temperature $t_{a\text{ max}} = 45\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	54,000h (L80 B50)
	81,000h (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

70 567 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

