PXM®

DATA SHEET

PX229

PxAqua 3 SH
PxAqua 3 SP

Product description

PxAqua 3S LED lamp is designed for underwater lighting. Moreover, it can be used to illuminate the interior and architectural details
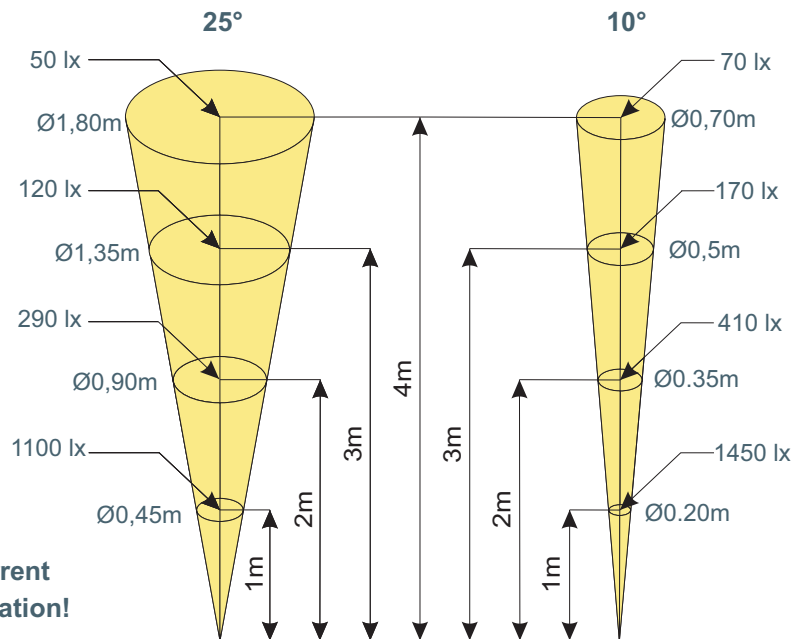
The lamp uses three high-performance LEDs LUXEON® Rebel power of 1.1 W each, which ensures its excellent performance lighting. It can be equipped with the optics of different angles of light - with an angle of 10°, 25° and 45°. Optionally, the lamp can be fitted with LEDs of other colors from the conventional RGB. The lamp operates at 350 mA power supply, but optionally in underwater applications it can run power 700 mA, and then get more lighting power (approx. 3x3 W).

To control the lamp e.g. PX305 driver should be used and in such case it allows simultaneous connection of up to 6 lamps.
The PX229 is produced in a version with handle or flush mounting.
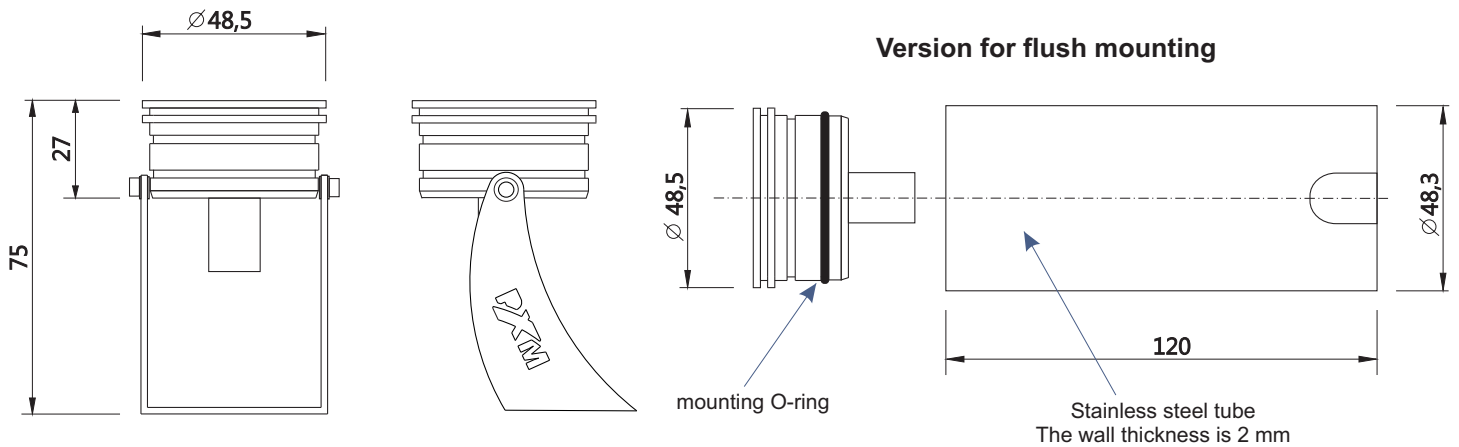
Technical data

Type	**PX 229** **PX 229-H** - a handle version **PX 229-P** - a flush mounting version
Power supply	3 x 350 mA
IP Rating	IP68
Beam angles	25° (typical) 10° / 45° (on request)
Brightness (for 25° lens in 1 meter dist.)	approx. 1100 lux
The number of possible colors	16 million (in theory)
Weight	0,32 kg
Dimensions:	Diameter: 48,5 mm Height: 80 mm

Beam angle
(LEDs WWW color - white
warm, 700 mA power supply)

25°

- 50 lx — Ø1,80m
- 120 lx — Ø1,35m
- 290 lx — Ø0,90m
- 1100 lx — Ø0,45m
- 1m / 2m / 3m / 4m

10°

- 70 lx — Ø0,70m
- 170 lx — Ø0,5m
- 410 lx — Ø0.35m
- 1450 lx — Ø0.20m
- 1m / 2m / 3m

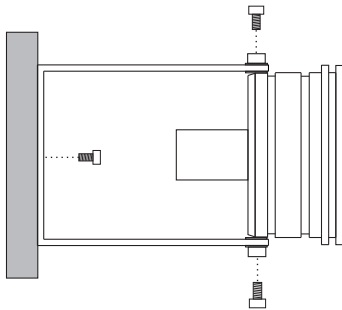**NOTE: Power supply only from a driver with current stabilization or power supply with current stabilization!**

Dimensions - technical drawing

Version for flush mounting

Ø48,5
27
75

Ø 48,5

mounting O-ring

120

Ø48,3

Stainless steel tube
The wall thickness is 2 mm
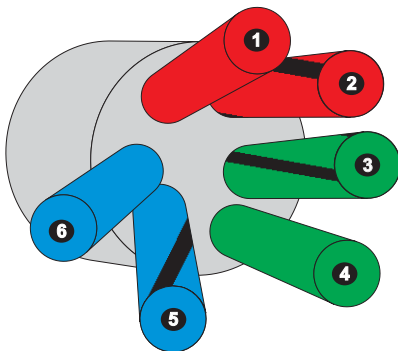
Method of mounting

The PX229 lamp is attached to the bracket with two M3 screws, this allows movement in a vertical plane.

The handle is fixed to the wall with one M5 screw, which in turn makes it possible to move the lamp in the horizontal plane
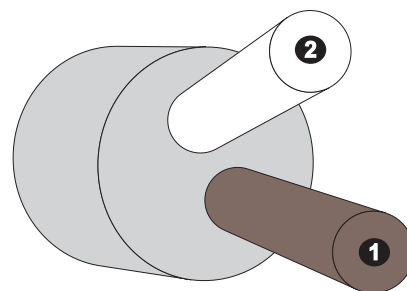
Connection diagram

The cables should be connected in the correct order of colors. Full blue wire to terminal B +, blue with black stripe to terminal B-. Similar green wire (terminal G) and red one (terminal R).

LEDs should be connected only in series. Number of LED lamps depends on the driver and power supply.

For RGB lamps

For monochromatic lamps

❶ RED + (red)

❷ RED - (red with black stripe)

❸ GREEN - (green with black stripe)

❹ GREEN + (green)

❺ BLUE - (blue with black stripe)

❻ BLUE + (blue)

❶ + (brown)

❷ − (white)