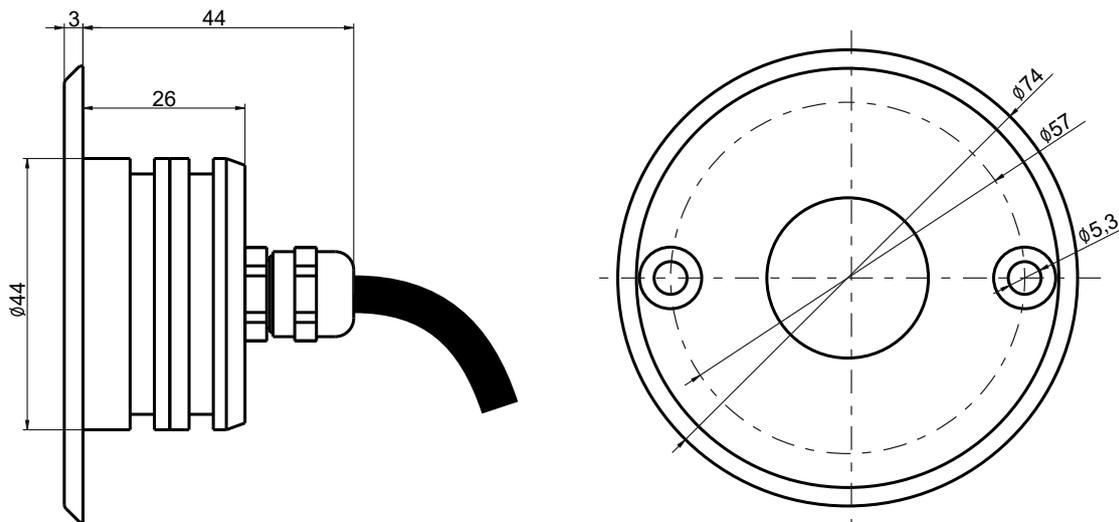## Device description

PxAqua 3 SF LED lamp is designed for underwater lighting. It can also be used to illuminate the interior or exterior architectural details.

The lamp uses three high-performance LEDs Osram Oslon®, what ensures its excellent lighting performance. It can be equipped with the optics of different beam angles: 10°, 25° (standard) or 45°. The lamp may have diodes of a different color than RGB installed. It works with 350mA power supply, but in underwater applications the PxAqua 3 SF lamp can be powered with 700mA current and then the LEDs get 3 x 3W.

To control the lamp you need to use e.g. PX745 LED driver. Moreover, remember that different LED drivers can control only specified maximal number of LED lamps in according to power supply and other technical parameters.

The lamp is designed for installation under water, e.g. in fountains, as well as indoor and outdoor applications.
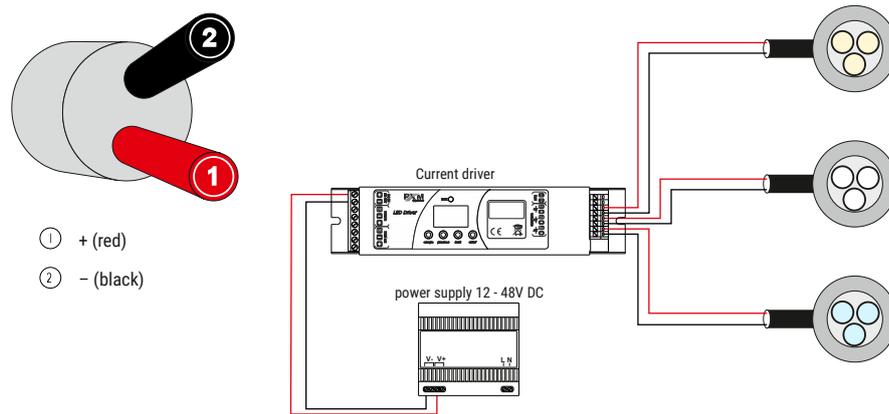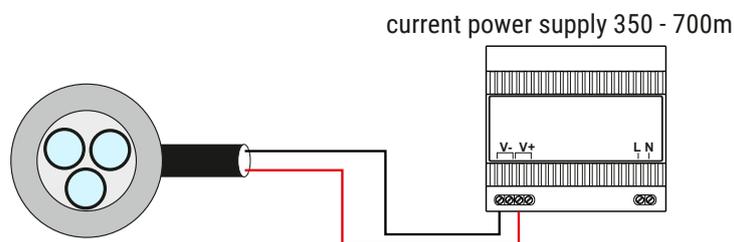
Technical drawing

NOTE! When installing the lamp, remember to leave enough space for the cable gland from which the power cable exits.
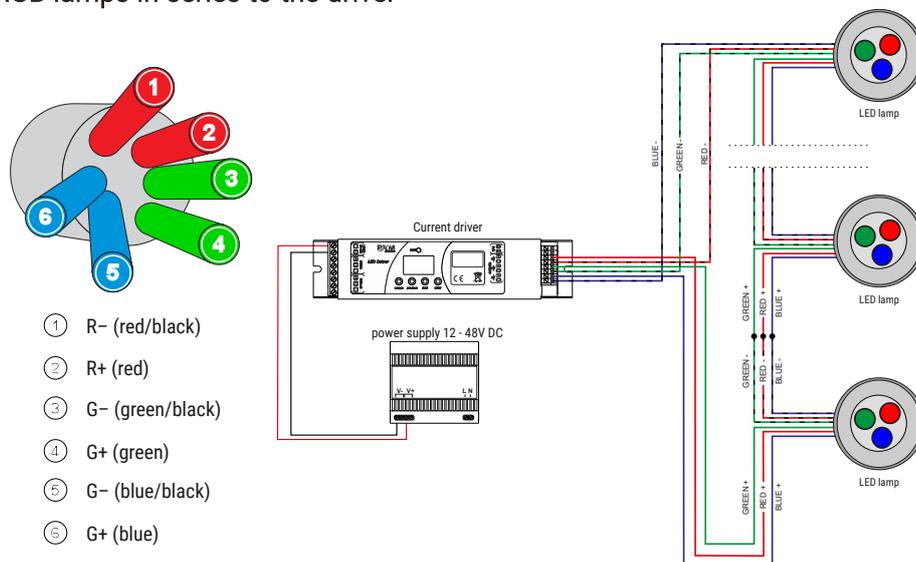
a) connecting monochrome lamps to the driver

Current driver

power supply 12 - 48V DC

① + (red)
② − (black)

V- V+   L N

b) connecting a monochrome lamp to the power supply

current power supply 350 - 700m

V- V+   L N

c) connecting RGB lamps in series to the driver

① R− (red/black)
② R+ (red)
③ G− (green/black)
④ G+ (green)
⑤ G− (blue/black)
⑥ G+ (blue)

Current driver

power supply 12 - 48V DC

V- V+   L N

LED lamp

LED lamp

LED lamp

BLUE- GREEN- RED-

GREEN + RED + BLUE +

GREEN - RED - BLUE-

GREEN + RED + BLUE +

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Technical data

type	PX278
power supply	RGB – 3 x 350mA (3 x 700mA in underwater mounting) Mono – 1 x 350mA (1 x 700mA w in underwater mounting)
IP rate	IP68
beam angles	10°*, 25°, 45°*
brightness (25° distance 1m)	~1000lx (white color)
LED colors	2700K, 3000K, 4000K, 5000K, 6500K, RGB
weight	0.4kg
dimensions	diameter: 74mm height: 29mm height with cable gland: 44mm

* - available on request

NOTE! The lamp can be powered only from a current driver or a current power supply.