

PX373

PxAqua 6 SH

12 – 24V

User manual



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Manufacturer reserves the right to make modifications in order to improve device operation.

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1 Description

PxAqua 6 SH 12 – 24V lamp is designed for underwater lighting. It can also be used to illuminate the interior and exterior architectural details.

The lamp uses six high-power LED from OSRAM Oslon[®]. The LEDs are available in different color temperatures: 2700K, 3000K, 4000K, 5000K, 5700K. The lamp may be provided with optics of lighting beam angles: 10°, 25° (standard) or 50°. The housing is made of acid-resistant stainless steel (316L), which also provides IP68 tightness class.

The lamp can be powered with 12 – 24V DC. To power it, use a voltage driver or voltage power supply. In case of using a voltage driver (e.g. PX254, PX282 or PX370) it is possible for dimming the PX373.

The device is provided with a 2m cable.

2 Safety conditions

Caution! Before installing, connecting and using the lamp you have to absolutely read this document.

The following symbols are used to underline important information on security conditions on the product and in this manual.



Danger!
Risk of loss of life and health.



Warning!
Fire hazard.



Warning!
LED light emission.
The risk of eye damage.



Warning!
The risk of burns.



Warning!
Read the instruction manual.

Caution!

Do not look at the LEDs, LEDs can cause damage or eye irritation. Do not look at the light source with any optical devices that focus the light rays.



Light is harmful to unprotected eyes, can cause irritation, eye damage or even loss of eyesight.



While working outdoors in normal conditions, the housing unit can heat up to +65°C. Make sure that accidental contact with the device during use is impossible.



In case of improper usage of the product it may cause a risk of serious injury or death because of the threat of fire.

During its installation and use PX373 the following rules must be strictly observed:

1. Installation should be performed by a person holding the appropriate qualifications, according to the instruction manual.
2. Lamp may only be connected to stabilized voltage with current-carrying capacity compatible with technical data.
3. All the conductors should be protected against mechanical and thermal damage.
4. In the event of damaging any conductor, it should be replaced with a conductor of the same technical data.
5. All repairs and connections of outputs can only be made with cut off power supply.
6. Do not connect to the power supply to device with visible damage.
7. All sudden shocks, particularly dropping, should be avoided.
8. Do not switch on the appliance if the housing is leaking.

3 Information on version

The PX373 lamp is available in several versions that differ from each other in angles of the lenses used.

Below there is a description of designation of the PX373 models and their explanation:

PX373 – XX – YYY – ZZ

XX – lens angle: YYY – CRI and color LEDs: ZZ – light fixture housing option

10 – 10°	927 – CRI 90, 2700K	SH – with a handle
20 – 20°	930 – CRI 90, 3000K	
50 – 50°	940 – CRI 90, 4000K	
	950 – CRI 90, 5000K	
	957 – CRI 90, 5700K	

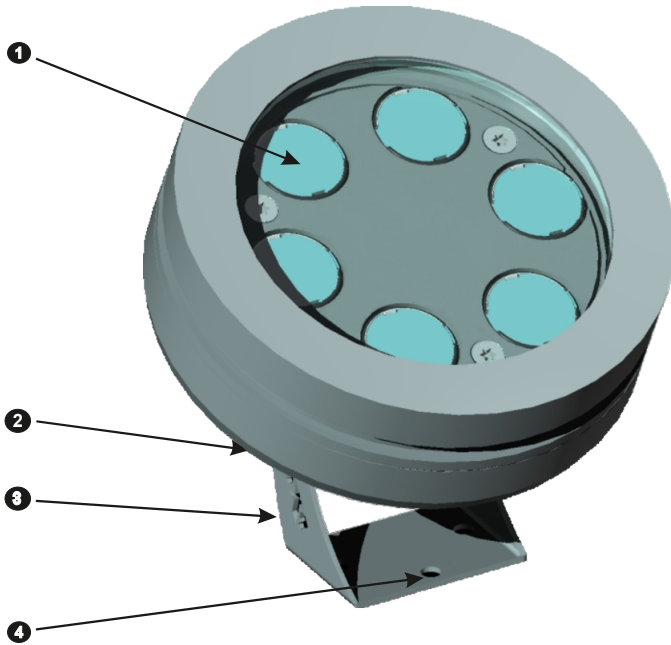
Example of marking for 3000K and 20° lamp with a handle:

PX373-20-930-SH

Housing option:

The light fixture housing, which is IP68 rated, allows to install PX373 light fixtures underwater, e.g. in fountains, pools as well as places exposed to adverse weather conditions.

4 Model description

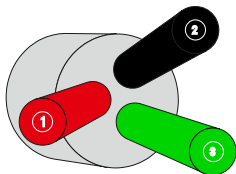


- ❶ 6 LEDs
- ❷ A bolt with a spring washer to fasten the handle to the body (this allows for adjusting the fixture inclination angle in vertical plane)
- ❸ A handle
- ❹ A hole for the bolt fastening the handle to the surface

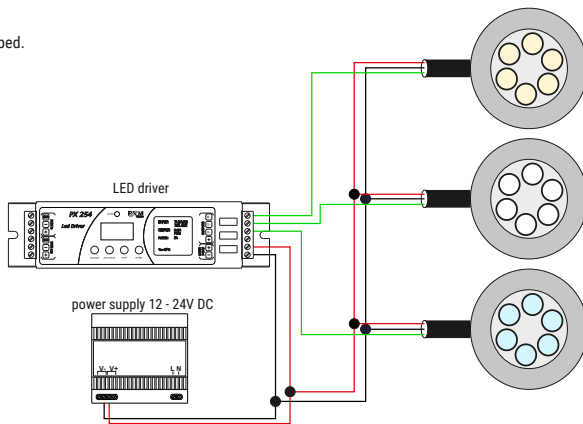
5 Connection scheme

a) diagram of connecting the lamps with driver

The possible colors of the wires used in the lamp are presented below. Wiring should be connected as described. Lamps may only be connected in parallel.

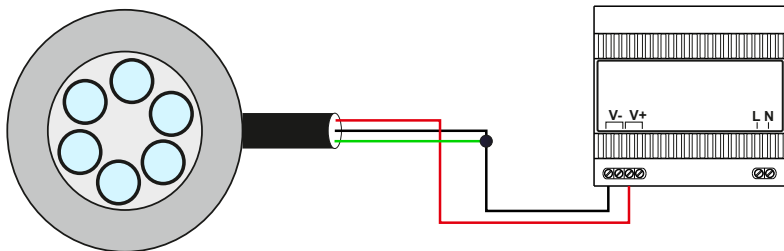


- ① + (red)
- ② - (black)
- ③ PWM (green)

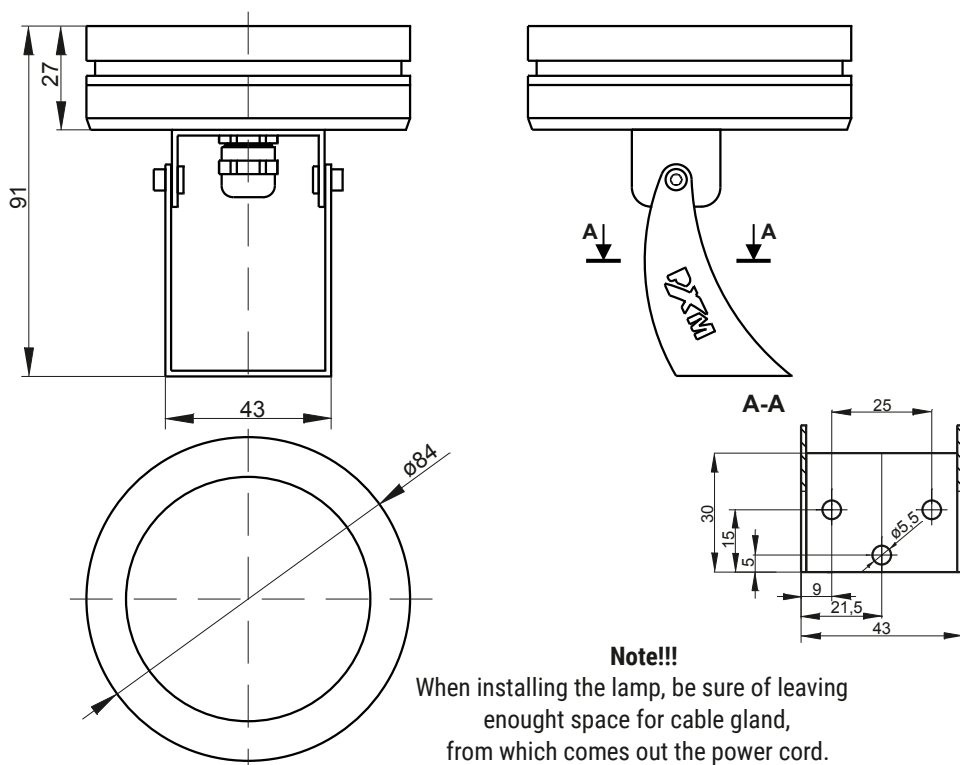


b) diagram of connecting the lamp with voltage power supply

voltage power supply 12 - 24V DC



6 Dimensions



7 Technical data

type	PX373
power supply	12 – 24V DC
power consumption	max. 8W
number of LEDs	6
IP rate	IP68
CRI	≥80
lenses	10°*, 25°, 50°*
LED colors	2700K, 3000K, 4000K, 5000K, 5700K
brightness (25° / 1m)	2500lx
housing	stainless steel (316L)
weight	0.8kg
dimensions	diameter: 84mm heights: 27mm (91mm with the case foot)

* - available on request

DECLARATION OF CONFORMITY

PXM Marek Żupnik spółka komandytowa
Podłęże 654, 32-003 Podłęże

we declare that our product:

Product name: PxAqua 6 SH 12-24V

Product code: PX373

meets the requirements of the following standards, as well as harmonised standards:

PN-EN IEC 63000:2019-01

EN IEC 63000:2018

PN-EN 60598-1:2015-04

EN 60598-1:2015

PN-EN 62471:2010

EN 62471:2008

PN-EN 61000-4-2:2011

EN 61000-4-2:2009

PN-EN IEC 61000-6-1:2019-03

EN IEC 61000-6-1:2019

PN-EN 61000-6-3:2008

EN 61000-6-3:2007

and meets the essential requirements of the following directives:

2011/65/UE DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment
Text with EEA relevance.

2014/30/UE DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast)
Text with EEA relevance.


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