

PX167

PxSpot 3H

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

The PxSpot 3H LED lamp is designed for stage lighting. Additionally, it can be used to illuminate interiors and architectural details.

The light source in the PX167 is three high-performance Osram OSOLON LEDs with a power of approx. 1W each, mounted on a radiator that protects them from overheating. They are equipped with optics with different lighting angles. The lamp is equipped with RGB diodes.

To control this module, use e.g. driver PX305, PX308 or PX215. LED lamp PX167 is manufactured in a built-in version with a handle. There are different housing colors to choose from: white, silver or black.

Intended for indoor installation only.

2 Safety conditions

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 PX167 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. The device cannot be used in places with temperature lower than +2°C or higher than +40°C.
9. Clean with damp duster only.

3 Information on version

The PX167 lamp is available in several versions that differ in the angle of the lenses used and the color of the LEDs.

Below there is a description of designation of the PX167 models and their explanation:

PX167 – XX – YYY – Z

XX – lens angle:

10 – 10°

22 – 22°

40 – 40°

YYY – CRI and color LEDs:

RGB

Z – housing color:

1 – szary

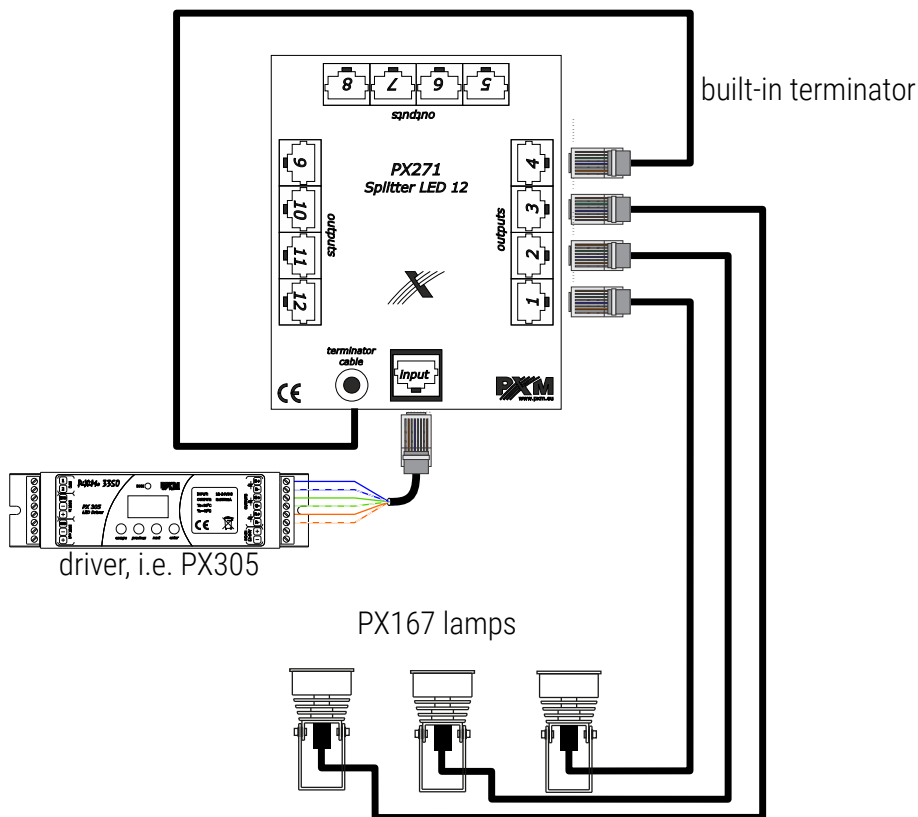
2 – czarny

3 – biały

Example of marking for a lamp with a lens angle of 22°, LEDs RGB and black housing:

PX167-22-RGB-2

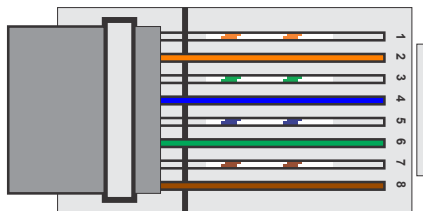
4 Connection scheme



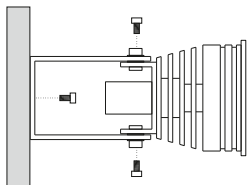
NOTE! The lamps should be connected starting from inputs 1, 2, 3, etc. If, for example, there are lights *only* on outputs 1, 2 and 3, it means that a built-in terminator (*terminator cable*) should be connected to output number 4. If all 12 outputs are used, then the built-in terminator (*terminator cable*) is not connected.

Pin	Wire
1	red R-
2	red R+
3	green G-
4	blue B+
5	blue B-
6	green G+
7	white W-
8	white W+

Plug diagram

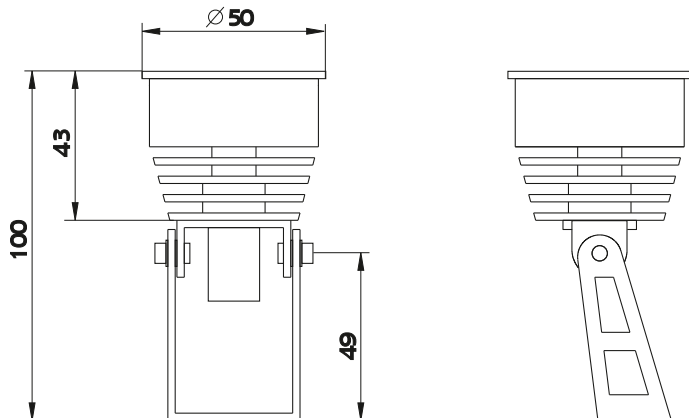


5 Mounting



The lamp is attached to the holder with two M4 Allen screws and can be rotated vertically. The handle is attached to the ground with one M5 screw, which in turn allows for rotation in the horizontal plane.

6 Dimensions



7 Technical data

type	PX167
power supply	12V DC
number of LEDs	3
connector	RJ-45
current consumption	350mA
lenses	10°*, 22°, 40°*
LED colors	R, G, B
weight	0.2kg
dimensions	diameter: 50mm height: 100mm

* - available on request

DECLARATION OF CONFORMITY

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

we declare that our product:

Product name: PxSpot 3H

Product code: PX167

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

EN 60598-1:2015

PN-EN 62471:2010

EN 62471:2008

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.


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mgr inż. Marek Żupnik.