

PX828

PX828-K

PxArt Mini

PxArt Mini Frame

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 PxArt Mini is a miniature LED lamp designed for architectural lighting. Its light source is a single high-efficiency white LED.

The "K" version has a frame attachment. The lamp operates at a current of 350 – 700mA. It has two cable entries, and the wires are connected internally.

NOTE! Connecting the lamp to a voltage power supply will destroy the light source.

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 PX828 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

Below is a description of the PX828 model designations with their explanation:

PX828 – WW – YYY – Z

WW – beam angle:

15 – 15°

30 – 30°

60 – 60°

YYY – CRI / LED color / color temperature:

827 – CRI 80, 2700K

830 – CRI 80, 3000K

840 – CRI 80, 4000K

850 – CRI 80, 5000K

Z – housing color:

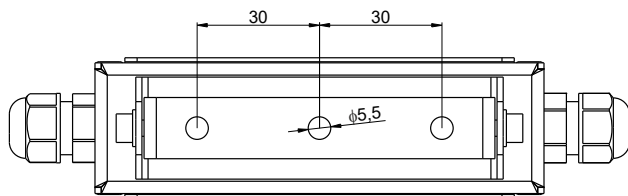
1 – gray (RAL 9006)

2 – black (RAL 9005)

3 – white (RAL 9010)

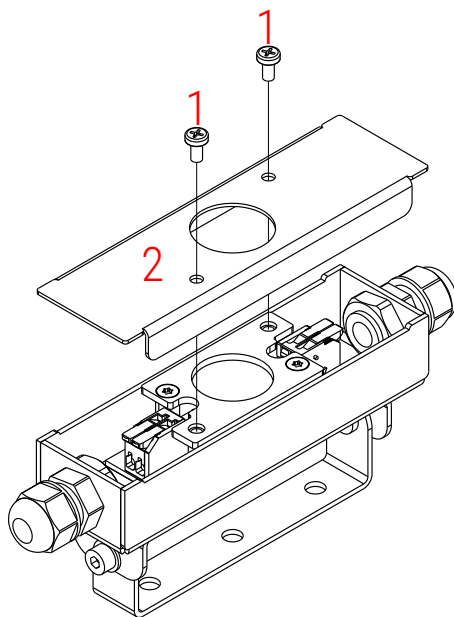
4 Installation

Mounting hole spacing:

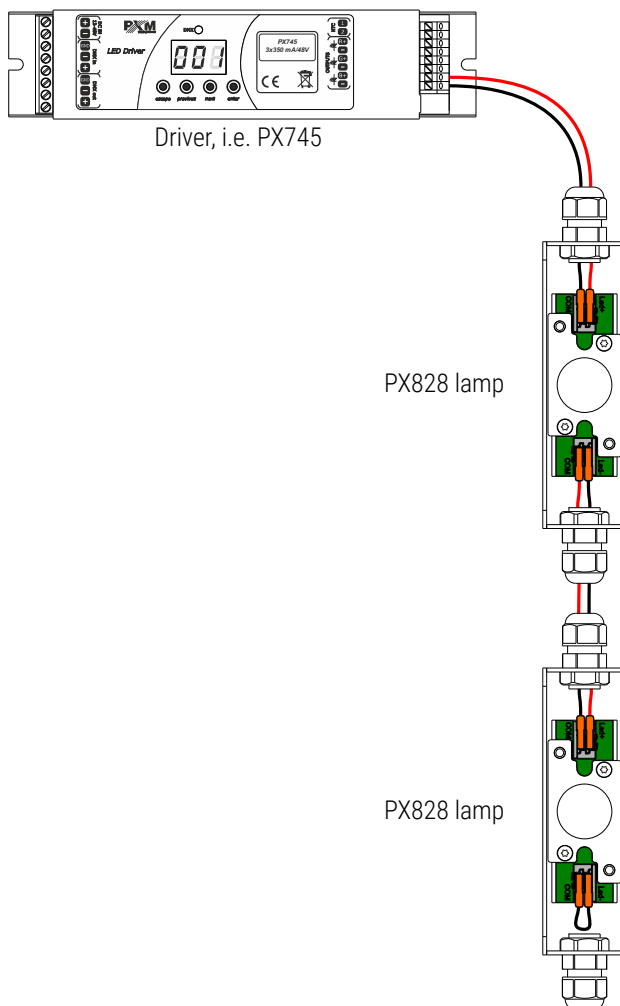


Connecting the wires:

1. Unscrew the mounting screws (1).
2. Remove the housing (2).
3. Connect the wires as described in section 5. Connection scheme.
4. Close the housing (2).
5. Tighten the mounting screws (1).



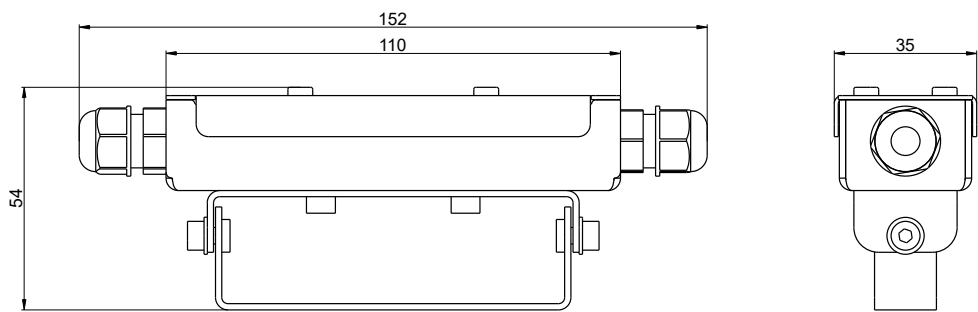
5 Connection scheme



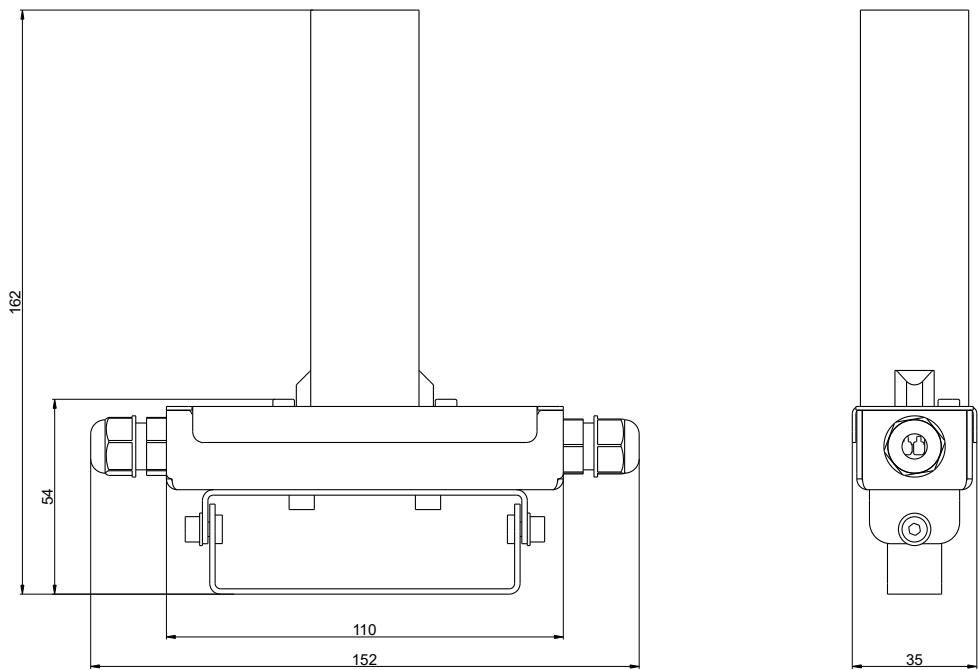
NOTE! For the last light in the series, or in a single-light setup, the **LED-** output must be connected to **COM**. The diagram above shows the case of a lamp in the middle and at the end of the series.

6 Dimensions

PxArt Mini



PxArt Mini Frame



7 Technical data

	type	PX828 PX828-K – version with crop overlay
	power supply	350mA – 700mA
	tightness class	IP54
	lighting angles	15°, 30°, 60°
	available color temperatures	2700K, 3000K, 4000K, 5000K
	total luminous flux (for 4000K and CRI 80)	230lm
	CRI	80, 90*
	weight	PX828: 0.12kg PX828-K: 0.15kg
	dimensions	<u>PX828:</u> height: 54mm width: 152mm depth: 35mm <u>PX828-K:</u> height: 162mm width: 152mm depth: 35mm

* – CRI 90 available on special order

NOTE! The lamp can only be powered from a driver with current stabilization or a power supply with current stabilization. Maximum of 12 lamps in a row.

DECLARATION OF CONFORMITY

PXM sp. z o.o.
Podłęże 654, 32-003 Podłęże

we declare that our product:

Product name: PxArt Mini
PxArt Mini Frame

Product code: PX828
PX828-K

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
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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NIP 677-002-54-53



mgr inż. Marek Żupnik.