

PX747-T-20

PX747-T-50

PxTech Square 20

PxTech Square 50

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

PX747 lamps are technical LED illuminators.

The advantage of the lamps is low heat emission and an aluminum housing, so they can be used in places where there is no large air flow. Its most important advantages include: complete absence of ultraviolet radiation, trace amounts of infrared radiation, high brightness and low energy consumption.

PxTech Square have a handle that allows them to be mounted on GLOBAL Trac® Pulse Control bus-bars. The lamp starts with the appearance of voltage on the track – on / off operation, which makes **the lamps are not dimmable**.

The lamp housing allows to change the lighting direction in two axes.

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 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.

The PX747 device is powered directly from 230V power grid. Failure to comply with the safety rules may result in electric shock and may endanger the user's life. Therefore it is necessary to observe the following:

1. Installation should be performed by a person holding the appropriate qualifications, according to the instruction manual.
2. The electrical installation to which the lamp is to be connected must meet the safety requirements (the installation must be 3-wire and equipped with a residual current device).
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, should 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 $+2^{\circ}\text{C}$ or higher than $+40^{\circ}\text{C}$.
9. Clear with damp cloth only.

3 Information on version

The description of the PX747-T model markings with their explanation is presented below:

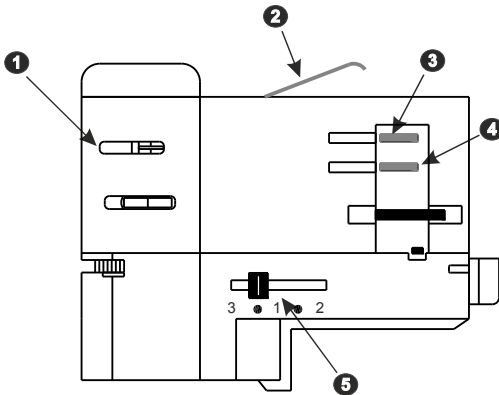
PX747-T – XX – Z

<u>XX – power:</u>	<u>Z – housing colors:</u>
20 – 20W	3 – white
50 – 50W	1 – black

4 Bus-bar connection

PX747 is a device attached to the GLOBAL Trac® Pulse Control rail by using the GAC600 adapter included in the kit.

4.1 GLOBAL Trac® GAC 600 adapter



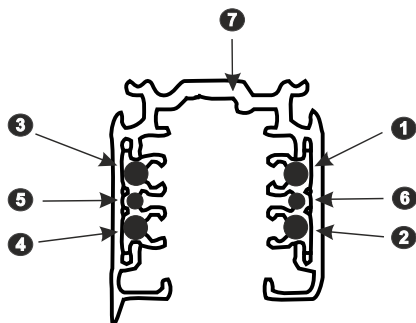
DMX contacts

- 1 DMX - (on the opposite side DMX +)

MAINS POWER SUPPLY

- 2 protective \oplus
- 3 phase 1 (on the opposite side phase 2)
- 4 neutral (on the opposite side phase 3)
- 5 phase selection switch

4.2 The cross-section of the GLOBAL Trac[®] Pulse Control



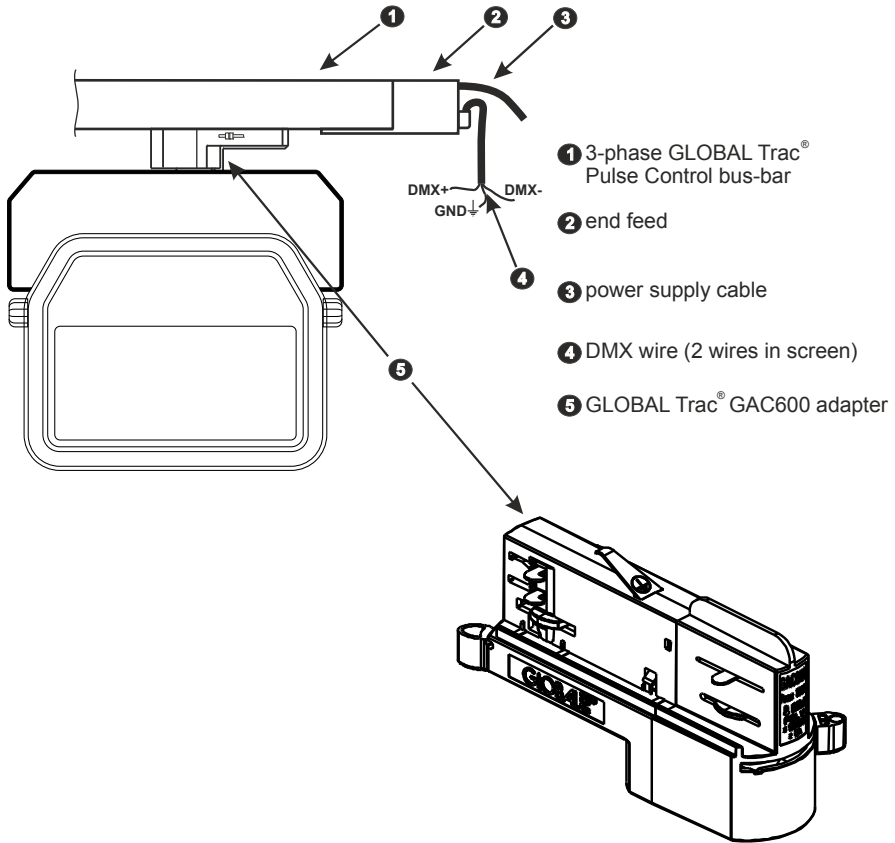
POWER SUPPLY

- ➊ phase 2
- ➋ phase 3
- ➌ phase 1
- ➍ neutral

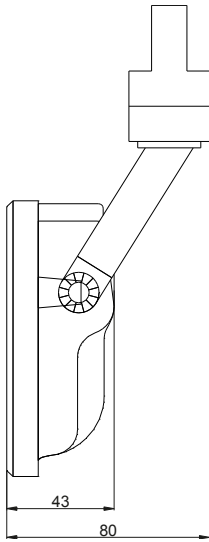
DMX

- ➎ DMX -
- ➏ DMX +
- ➐ mass (GND)

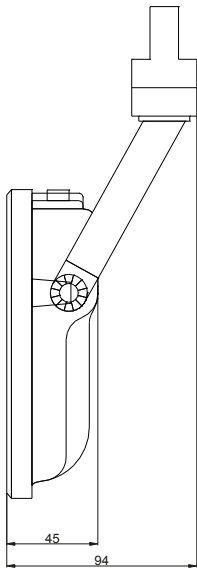
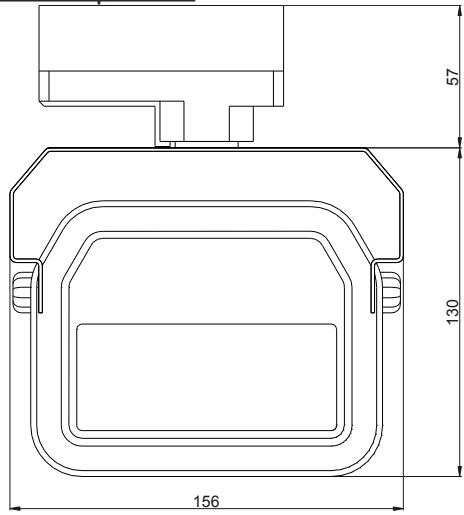
5 Connection scheme



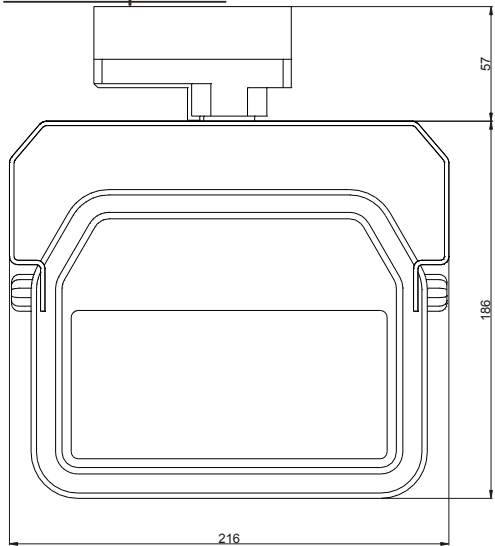
6 Dimensions



PxTech Square 20



PxTech Square 50



7 Technical data

type	PX747-T-20 PX747-T-50
power	PX747-T-20: 20W PX747-T-50: 50W
PF (power factor)	>0.9
luminous flux	PX747-T-20: 2000lm PX747-T-50: 5250lm
color temperature	3000K
color rendering index CRI	min. 80
lighting angle	100°
housing material	aluminum
max. housing temperature rise	+50°C
mounting	GLOBAL Trac® Pulse Control
available housing colors	white / black
power supply	230V AC
weight	PX747-T-20: 0.8kg PX747-T-50: 1kg
dimensions	height PX747-T-20: 130mm width PX747-T-20: 156mm depth PX747-T-20: 43mm height PX747-T-50: 186mm width PX747-T-50: 216mm depth PX747-T-50: 45mm