

THOR LED 60x60 Elite

User's manual

Ultra slim 60x60 LED panel

PNL2140i-WW
PNL2140i-NW

WARNINGS

This unit should only be used for purpose for which it has been intended and should be installed using the instructions which are provided. Arena Luci cannot be held liable for damages to person, animals or objects as a result of improper, unreasonable and wrong usage.

This instruction manual contains important information about the installation and use of the luminaire. Please read and follow these instructions carefully.

The security of this device is guaranteed only with the proper use of the following instructions, therefore they must be kept carefully.

Never install the device in locations easily accessible by people who ignore the existence of this user's manual and safety instructions.

For the wiring please refer to enclosed wiring diagrams. If in the diagrams indicated there should not be that of your application, contact the technical office.

Disconnect the unit from any power supply before attempting any operation in contact or inside the unit, and when not in use.

It is essential that each device is correctly earthed and that electrical installation conforms to all relevant standards. Never supply the unit without the earth link.

Prior to connect the unit to the mains supply, check the output voltage fits the technical requirements on the label.

Never let the power cord come into contact with other cables.

Never touch the electrical contacts, either directly with your fingers, or indirectly by means of sharp or metal objects.

Make sure that cables cannot cause trip hazard.

Do not attempt to dismantle and modify the unit.

Due to the high technological level of this unit, any service maintenance should be performed by specialised operators. Please contact your Arena Luci dealer for any operation.

Always ensure that the structure to which you are attaching the unit is secure and is able to support the weight of each unit.

Do not allow contact with water or any other fluids, or metallic objects (IP54/IP40).

Avoid installing the unit close to heat sources.

Never lean the power cord on hot unit surfaces.

Allowed to be mounted directly on inflammable surfaces.

Install the unit where it can be easily aerated.

Do not install the luminaire on deformed or damaged ceilings.

The lighting apparatus must be used only with its protective plastic shield.

Contact your Arena Luci dealer if the protective shield is visibly damaged to the point at which its effectiveness is diminished, for example by becoming cracked or deeply scratched.

LED module is not replaceable.

Do not use any solvent based cleaning agents.

Use only a soft, dry anti-static cloth.

The installation of LED modules (including power supplies) should be done according to current technical rules and regulations. The installation should be performed only by a qualified operator.

Avoid contact with either corrosive agents or humidity and moisture on delicate elements: damages from corrosion are not refunded as component defects.

Please note that as part of Arena Luci's ongoing commitment to continuous product development, specifications are subject to change in the course of product improvement without notice. Arena Luci is not responsible for damages resulting from improper or different use than expected.

BEFORE STARTING

Remove the product from the shipping carton, checking that all the components supplied are present in the box. Refer to the following packing list to check which components must be present in the packaging. If any component is missing or damaged, contact your Arena Luci dealer immediately.

n° 1 LED panel Thor 60x60 Elite
n° 1 Electronic driver

Before starting the installation of your product make sure that there are no evident damages caused by transportation. In the event that the luminaire is damaged, do not plug it in and do not attempt to use it until you contacted your Arena Luci dealer for assistance.

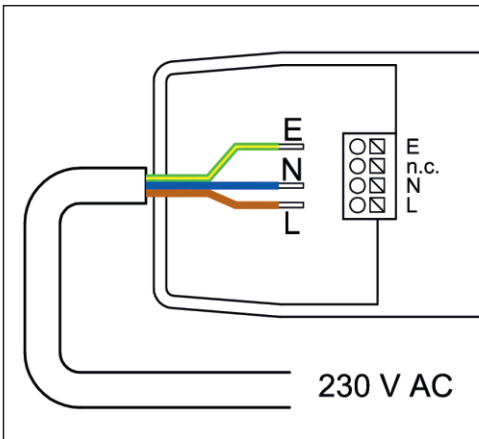
INSTALLATION AND POWER SUPPLY

The panel can be installed in a false ceiling, on a concrete ceiling or suspended. Depending on the type of installation it is necessary to find a suitable housing for the power supply or it is possible to place the power supply in the middle of the upper face of the panel.

Always make sure that the structure you are fixing the panel is safe and able to bear the weight of 3.1kg of each appliance, possibly including power supply.

Remove the mains voltage from the system before performing any of the installations listed below.

Drag the derivations from the 230V power line to the position where the electronic driver will be installed. Keep in mind that the output of the power supply that is connected to the panel has a cable with a length of about 15cm, so there is a



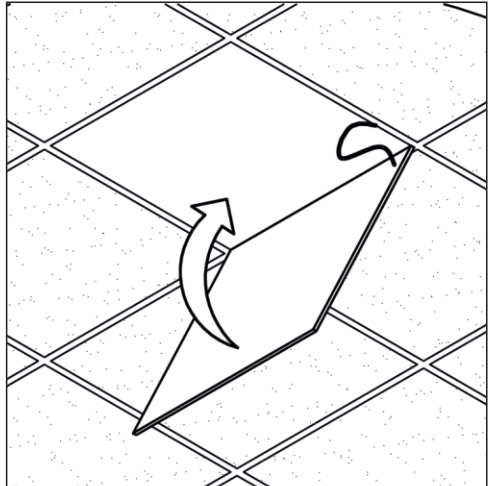
discrete freedom in choosing the position of the power supply.

Connect the power supply to the mains, using the voltage and frequency indicated on the label and observing the indicated polarity L-N-E (colors brown = L, blue = N, yellow/green = E). Make sure that no conductors have uncovered copper pieces.

It is advisable that the power supply is connected to the mains via its own switch, so that it can be switched on and off individually.

The terminal block can accept conductors of cross section between 0.5 and 1.5 mm²; for fixing remove approximately 5-6 mm of insulation from the wires.

It is essential that the electrical installation complies with all current good technical and safety standards.

False ceiling installation

Thor panel has been specially designed to be housed on a normal frame for squared ceilings. After having housed the power supply inside the false ceiling, take the cable with the plug connector of the power supply unit out of the false ceiling and connect it firmly to the corresponding socket on the panel power cable (Fig. 01). Position the panel on the support frame.

If the false ceiling is of the plasterboard type, it is necessary to use the accessory for fixing to a false ceiling (APL1200).

Make a square hole of the appropriate size for housing the accessory, as indicated in the instructions attached to the product, and attach it to the plasterboard. Lay the driver inside the false

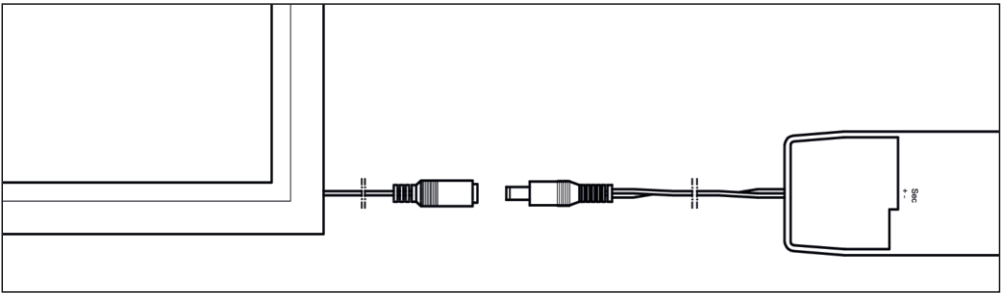


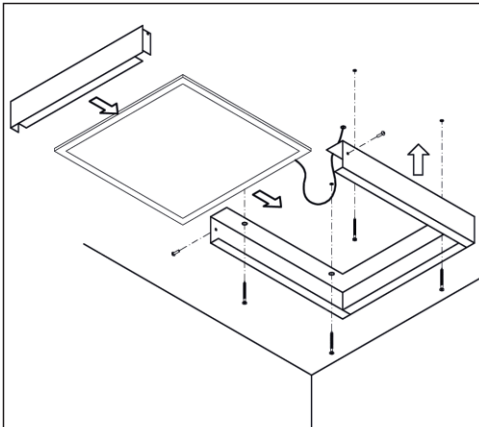
Fig. 01 - Connecting the LED panel

ceiling and pull the cable with the plug connector out from the hole in the false ceiling and connect it firmly to the corresponding socket on the panel power cable (Fig. 01). Insert the panel inside the casing and fix it.

supply unit to the corresponding socket on the panel power cable (Fig. 01).

Finalize the installation by inserting the LED panel on the two guides of the frame pushing it all the way down, put the power supply in the middle of the upper face of the panel and finally close the frame by screwing the closing cover.

Ceiling installation



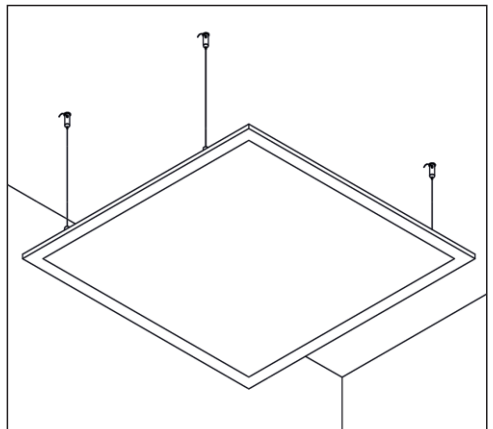
An accessory (code APL1100) is available for the installation of the panel on a concrete ceiling, in cases where there is no false ceiling. This is a frame that must be fixed directly to the ceiling and in which the panel is subsequently inserted.

Before fixing the frame, make sure that the power supply line can exit inside the frame itself.

Drill four holes on the ceiling, arranged at the corners of a rectangle to fix the frame, get the interaxis between the holes measuring the frame and mark them with a pencil on the ceiling. Pass the power cable through the back of the frame and then screw the back to the ceiling using expansion plugs of the type suitable for the type of ceiling and the load to support the weight of the frame and panel.

Once the back of the frame is firmly fixed to the ceiling, connect the plug connector of the power









Suspended installation

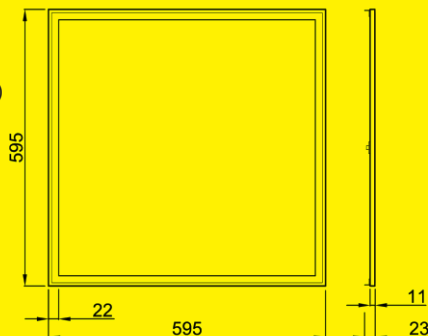


If you wish to install the panel in suspension, an accessory is available that contains everything necessary for the purpose (APNL1236S). Follow the instructions attached to the product to identify the fixing points on both the panel and the ceiling and how to adjust the suspension height.

The cable for connection to the mains supply must come out of the ceiling. Firmly connect the plug connector of the power supply unit to the corresponding socket on the panel power cable (Fig. 01).

TECHNICAL SPECIFICATIONS

V	Power supply	220-240 V AC, 50/60 Hz
W	Power consumption	40W
	Source	smd LED
K	Color Temperature	3000K (-WW) - 4000K (-NW)
lm	Luminous flux	3878 lm (-WW) - 3955 lm (-NW)
	Beam aperture	120°
	Socket	Terminal block
	Drilling hole	600x600 mm (APL1200)
	Material	Aluminium + PC
	Color	White frame
KG	Weight	Body: 3.1 kg - Driver: 105 g
SIZE	Dimensions	Body: 595x595x11 mm - Driver: 147x44x30 mm
	Insulation class	I
IP	Protection	IP 54 (front) - IP 40 (rear)
Ta	Ambient temperature	-25°C ... +45°C
	Suitable to be fitted on normally inflammable surfaces	



Applied standards

RoHS **CE**

PNL2140i EN-R0 | 10/2018

WARRANTY CONDITIONS

The unit is guaranteed for 24 months from the date of purchase against defects in workmanship or materials that compose it.

This warranty does faults due to incorrect or improper use of the device.

The warranty is immediately void if the unit has been tampered with or opened by unauthorized personnel.

The warranty provides, at the discretion of Arena Luci, repair or replacement of faulty equipment.

The serial number and model of the device are required to obtain information or assistance from the dealer. We invite you to transcribe them in time: for any request of information or services, this will result in a quick and effective operation.

CE RULES

The device meets the essential requirements of the Directives *LVD* 2014/35/UE, *EMC* 2014/30/UE, *RAEE* 2012/19/UE, *RoHS* 2011/65/UE, *Ecodesign* 2009/125/CE - reg. (UE)

1194/2012, *Energy label* 2010/30/UE - reg. (UE) 874/2012 - reg. (UE) 518/2014, *GPSD* 2001/95/CE.

Warnings

Disposal of Old Electrical & Electronic Equipment (applicable in the European Union and other European countries with separate collection systems).



The product shall not be treated as household waste but must be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is correctly disposed, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your city office, your household waste disposal service or your supplier.

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