



ALWAYS COMPLY WITH LOCAL INSTALLATION REGULATIONS AND CODES

The fixture is suitable for indoor environment. Do not install your fixture in wet or outdoor environment. Do not operate the fixture close to combustible materials. The fixture will get hot during operation. Do not touch the fixture during or right after operation. Make sure the power cord does not touch any hot part of the fixture. Make sure the light bars are clean and inserted correctly. The normal operating environment temperature should be below 104°F. Exceeding the maximum environmental temperature will stress electronic components, which will lead to shorter lifetime and decreased reliability.



TROUBLE SHOOTING

Problem	Probable cause(s)	Possible fixes or corrective maintenance
One or more fixtures are completely off.	Disconnect from power source.	Make sure power is on and cables are plugged in.
Dimming failure	Broken cable or wire connecting controller to fixture or wire connecting fixture to fixture.	Repair or replace any damaged cables if necessary.
LED PAD will not come on.	The power supply settings do not match with local AC voltage and frequency.	Disconnect fixture from the power supply. Check settings and correct if necessary.



SCOPE OF USE AND MAINTENANCE

- Comply with local installation regulations.
- Store the fixture in a dry and clean environment, with an ambient temperature of -10°C ~ 50°C and ambient humidity of less than 90% RH. It is recommended that the fixture shall not stay unused for more than six months. If it has stayed unused for more than six months, please test to ensure fixture is functioning at 100%.
- Please keep products safe. Avoid mechanical pressure, excessive vibration and dropping the unit during the process of assembly to protect the light bar and track.
- Keep away from water, oil and organic solvent, or it will reduce the efficacy and have the potential risk of electric leakage.
- All equipment, devices and machines shall be effectively grounded.
- Regularly check and clean the dust from LED PAD.
 1. Disconnect from power supply before general care.
 2. Remove the dust from the LED PAD by using low-pressure compressed air.
 3. Clean the diode array with a soft cloth to prevent it from being scratched.
 4. Be sure not to touch the diode with your bare hands, even after the LED PAD is disconnected from power supply.
- It is recommended that you contact a licensed electrician or an expert if any of the following happens:
 1. The cable or the plug has been damaged.
 2. The unit has been exposed to rain.
 3. Significant changes in the unit performance.
 4. Fixture dropped and corner of its enclosure got bent.
- There are no serviceable parts inside the LED PAD. Opening the LED PAD will void its warranty.



WARRANTY

Nanolux warrants manufacturing defects of this product if it is used under normal operating conditions for a period of five (5) years from the original date of purchase. If the product shows manufacturing defects within this period and that defect is not caused by user error or improper use, Nanolux shall, at its discretion, either replace or repair the product by using applicable new or refurbished parts. For any service, return the product to your shop along with the **original sales receipt**.

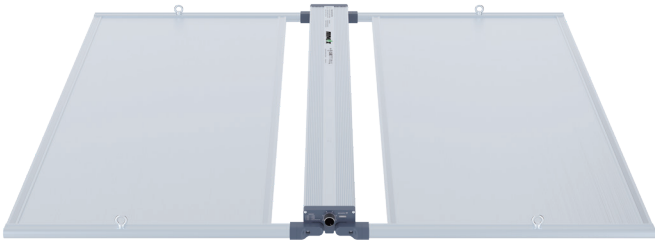


PATENTED PRODUCTS, COUNTERFEITING NOT ALLOWED.
Designed by NANOLUX in California
Made in China

OPERATING MANUAL

LED PAD1200 & LED PAD720

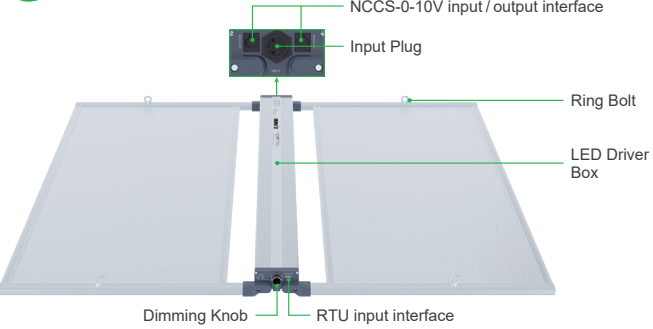
NCCS-RTU/0-10V COMPATIBLE



PLEASE READ THESE INSTRUCTIONS FIRST BEFORE INSTALLATION

Welcome to purchase and use this new Nanolux LED PAD. We have done everything to ensure a product of long lifespan and safe operation, but the installation and use of the product is at the responsibility of the user. Incorrect use or installation can lead to failure and damage to the LED PAD. Damage to the LED PAD or electronic circuitry as a result of incorrect installation or use will revoke your warranty. Read this manual carefully before installing your LED PAD.

ABOUT PRODUCT



TECHNICAL SPECIFICATIONS

Model	LED PAD1200	LED PAD720
Input Voltage	AC120V-277V	
Input Frequency	50/60Hz	
Input Power	1200W	720W
Light Output PPF	3480μmol/s	2090μmol/s
Efficacy	2.9μmol/J	
Spectrum	Full Spectrum	
Dimension / Weight	86.6x43.3x1.9inch / 44.3lbs 2200x1100x48mm / 20.1kgs	44.1x43.3x1.9inch / 24.7lbs 1120x1100x48mm / 11.2kgs
Dimming	1: 240W, 2: 400W, 3: 550W, 4: 720W, 5: 880W, 6: 1040W, 7: 1200W, 0: OFF/RTU&0-10V compatible	1: 140W, 2: 240W, 3: 330W, 4: 430W, 5: 530W, 6: 630W, 7: 720W, 0: OFF/RTU&0-10V compatible
Light Distribution	120°	
Lifetime	≧50,000hrs	

* Subject to change without notice, Tolerance ±10%.

ASSEMBLY INSTRUCTIONS

It is recommended that you keep a mounting height of 8"-20"(20cm-50cm) above canopy for optimal light efficiency and uniformity. Growers should regularly monitor the temperature at the canopy level to ensure the height of the fixture is appropriate, as canopy temperature and ambient room temperature can differ.

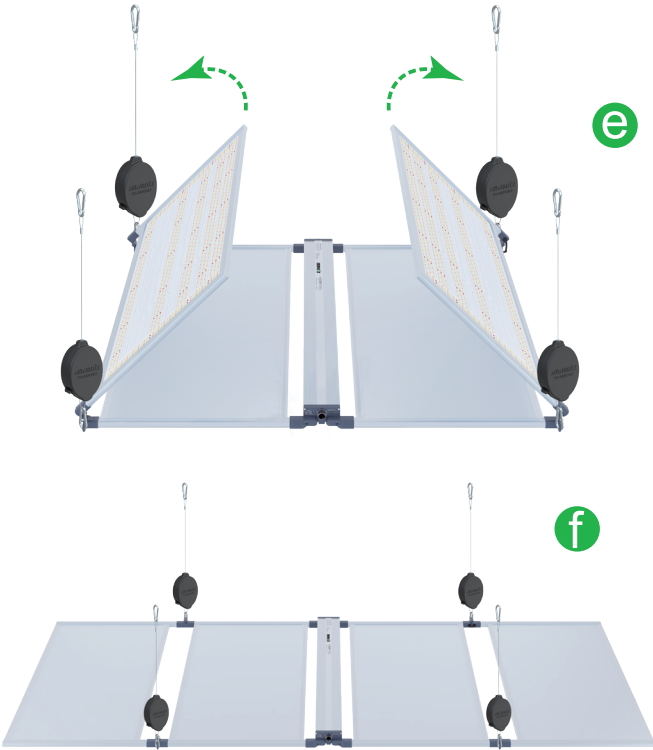
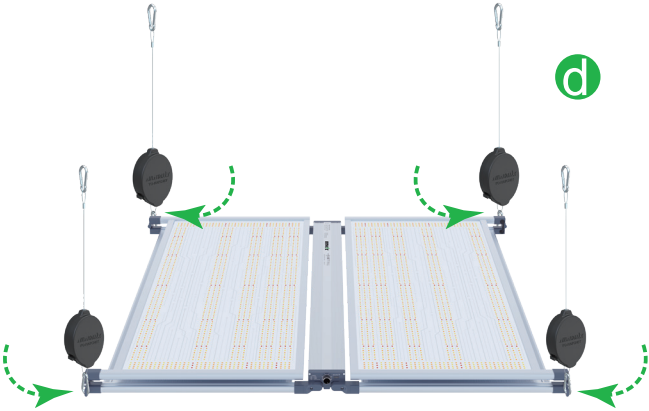
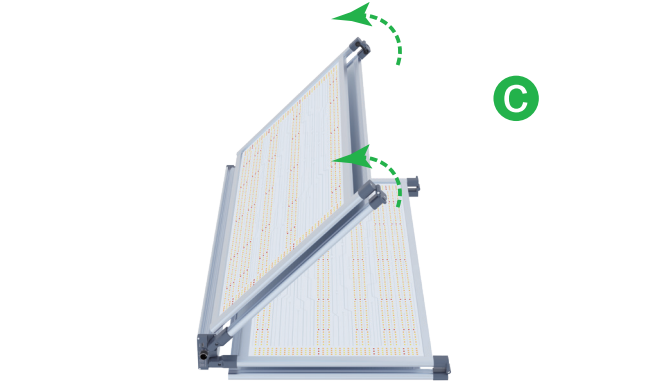
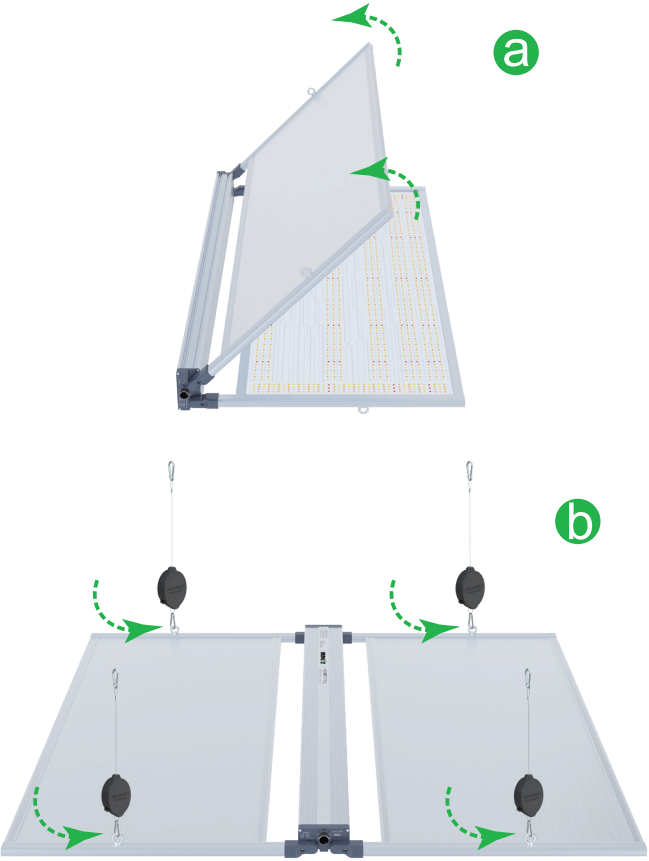
CAUTION: Don't remove the protective cover to prevent damage to diode until installed.

LED PAD720 Fixture Hanging

1. First take the fixture out of the packing.
2. Unfold the fixture (Fig.a) and place it on a sturdy and flat surface with the diode array facing downward (Fig.b).
3. Attach the carabiners from the YO-RATCHETS to the ring bolts (Fig.b).
4. Hang the fixture in the required location. Make sure the fixture hanging is level.

LED PAD1200 Fixture Hanging

1. First take the fixture out of the packing.
2. Unfold half of the fixture (Fig.c) and place it on a sturdy and flat surface with the middle diode array facing downward (Fig.d).
3. Attach the carabiners from the YO-RATCHETS to the ring bolts (Fig.d).
4. Hang the fixture in the required location. Make sure the fixture hanging is level.
5. Unfold the whole fixture (Fig.e) and make sure the fixture hanging is level (Fig.f).



DIMMING FUNCTION

This model is compatible with NCCS-RTU/0-10V. When using the function, please rotate the Dimming Knob to 0. Insert telephone wire into the jack of the fixture and 0-10V Lighting Controller, and then Dimming function on the LED PAD fixture is enabled.

- Maximum of 120 units can be controlled by 0-10V Lighting Controller.
- Simulate sunrise and sunset for dimming.
- Turn off the device automatically following the setting time and temperature.

In & Out jacks included on the fixture allows for multi-fixtures connected in parallel.

CAUTION: ⚠ ⚠ ⚠

After installation, verify installation was a success by cycling the lights on/off a few times, by setting 'over temperature shut down' to a low value like 85°F, and rubbing the temperature probe with your fingers, tricking the 0-10V Lighting controller/NCCS RTU into an over temperature condition and shutting the lights off. Then leave the probe alone, and after recommended 10-15 minutes the 0-10V Lighting controller/ NCCS RTU should turn all the lights back on.

For detailed instructions, please refer to 0-10V Lighting Controller operating manual.

RTU is removed from the fixture during operation, the fixture will automatically turn off after 10 seconds. If the RTU loses communication with the DTU for any reason, the fixture will automatically turn off after 10 minutes. If the fixture continues to turn off for any reason during operation with the RTU in NCCS mode, replace the RTU and confirm it is communicating with the DTU.

For further NCCS RTU customer support and tech support pages, visit www.nanoluxtech.com.

When using 0-10V Lighting controller, please insert 0-10V module control wire into the RJ11 jack of a Nanolux fixture. If 0-10V Lighting controller loses communication with fixture due to some type of errors, especially resulting from short circuit, fixture will shut off automatically in 5 seconds. Fixture will turn back on if errors are fixed.

