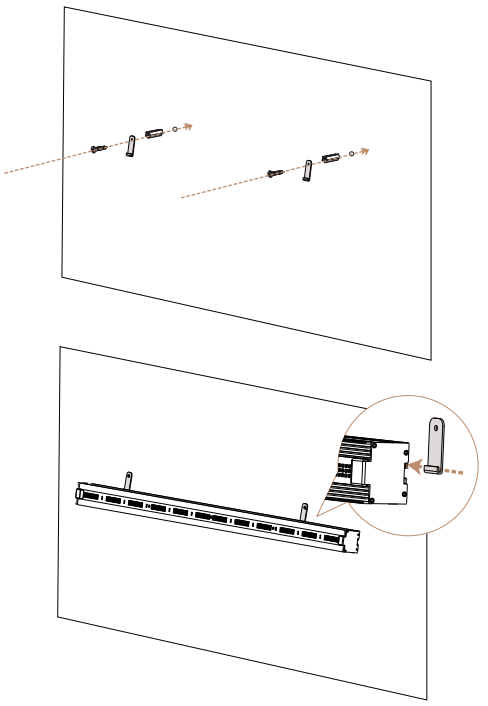
Method#3: wall-mounted installation

1. Only mount the product on a solid surface.
2. Pre-measure the holes for mounting first.
3. Drill two holes on the wall, then put the mounting hook into installation holes.
4. Insert and tighten the screw to secure the mounting hook.
5. Slide the light bar into the mounting hooks.



ALWAYS COMPLY WITH LOCAL INSTALLATION REGULATIONS AND CODES

These luminaires are suitable for humid, indoor environments. Do not install your luminaires in wet or outdoor environments. Do not operate these luminaires close to combustible materials. The light bar and track will get hot during operation. Do not touch the bar or track during or right after operation. Make sure the power cord does not touch any hot part of the luminaire. Make sure the light bar is clean and inserted correctly. A 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.

Our fixture comes with a heat sink rather than other cooling components, dissipating heat effectively and allowing maximum heat conductivity during the operation.

0-10V DIMMING

This model is compatible with SLC controller & DTU NCCS-APP-2.0 (the “DTU”).
Insert telephone wire into the jack of the track and SLC controller / DTU, and then Dimming function on the luminaire will be enabled.

- Maximum of 120 units can be controlled.
- Simulate sunrise and sunset for dimming.
- Turn off the device automatically with time and temperature setting.

In & Out jacks included on the Light Track 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 controller /DTU into an over temperature condition and shutting the lights off. Then leave the probe alone, and after recommended 10-15 minutes the controller /DTU should turn all the lights back on.

For detailed instructions, please refer to SLC & DTU NCCS-APP-2.0 operating manual.

TROUBLESHOOTING

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 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 doesn't sit unused for longer than six months. If it has sat unused for longer 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 decrease 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 the heatsink and LED array.
  1. Disconnect from power supply before general care.
  2. Remove the dust from the light bar using low-pressure compressed air.
  3. Clean the diode array with a soft cloth preventing it from being scratched.
  4. Be sure not to touch the diode with your bare hands, even after the luminaire is disconnected from power supply.
- It is recommended that you contact a licensed electrician or an expert if any of the following take place:
  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. Dropped fixture or light bar and bent corner of its enclosure.
- There are no serviceable parts inside the luminaire. Opening the luminaire will void warranty.

WARRANTY

Nanolux warrants manufacturing defects of this product if used under normal operating conditions for a period of three (3) years from the original date of purchase. If the product shows manufacturing defects within this period and that defect is not due to user error or improper use, Nanolux shall, at its discretion, either replace or repair the product using suitably new or refurbished parts. For service return the product to your shop with the **original sales receipt.**

PATENTED PRODUCTS, COUNTERFEITING NOT ALLOWED.

Designed by NANOLUX in California
Made in China

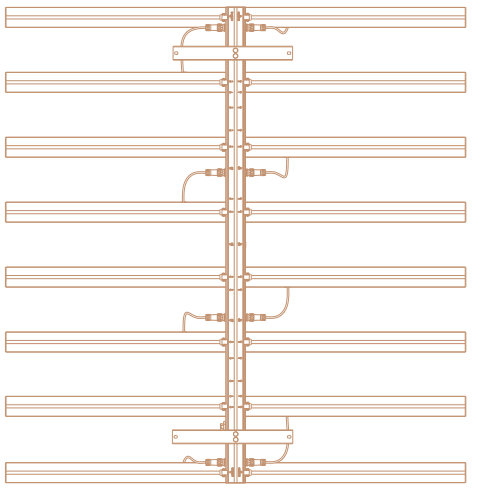
OPERATING MANUAL

LEDex

Modular design

110W LIGHT BAR (Full Spectrum,Red,Blue,Red/Blue)
55W LIGHT BAR (UV)

0-10V SLC & DTU NCCS-APP-2.0
COMPATIBLE WITH LIGHT TRACK

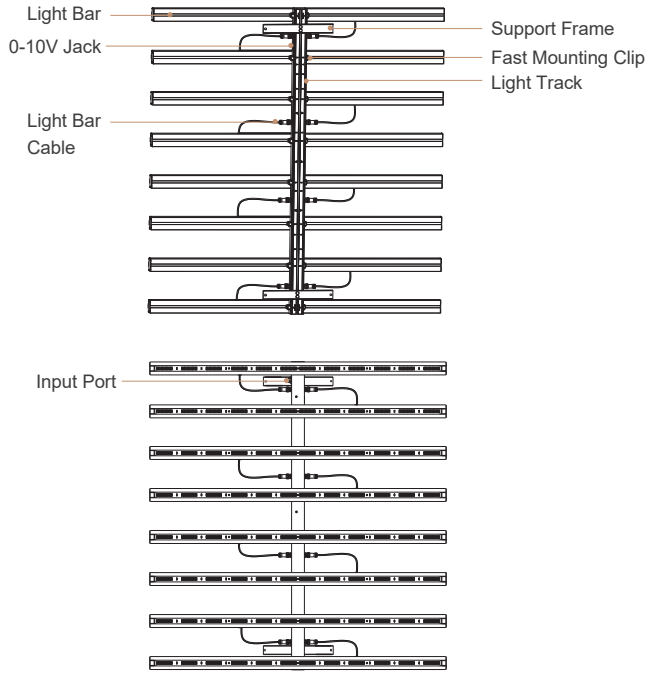


NANOLUX

PLEASE READ THESE INSTRUCTIONS FIRST BEFORE INSTALLATION

Congratulations on the purchase of your new Nanolux LED. We have done everything to ensure a long product life 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 luminaire. Damage to the luminaire or electronic circuitry as a result of incorrect installation or use will revoke your warranty. Read this manual carefully before installing your luminaire.

ABOUT PRODUCT



TECHNICAL SPECIFICATIONS

Model	LEDex F110	LEDex UV55
Input Voltage	AC120V/208V/240V/277V	
Light Bar Input Power	110W each	55W each
Efficacy	@277V 2.70-2.75μmol/J	@277V 500mW/J
Spectrum	Full Spectrum	Ultraviolet
Light Bar Dimensions/ Weight	45.8x2.0x1.7inch / 4.0lbs 1163x50x43mm / 1.8kgs	
Dimming	0-10V SLC & DTU NCCS-APP-2.0	25%-40%-55%-70%-85%-100% 0-10V SLC & DTU NCCS-APP-2.0
Light Distribution	120°	
Lifetime	≧50,000hrs	

Model	LEDex R110	LEDex R/B110	LEDex B110
Input Voltage	AC120V/208V/240V/277V		
Light Bar Input Power	110W each		
Efficacy	@277V 2.45-2.50μmol/J	@277V 2.60-2.65μmol/J	@277V 2.70-2.75μmol/J
Spectrum	Red	Red and Blue	Blue
Light Bar Dimensions/ Weight	45.8x2.0x1.7inch / 4.0lbs 1163x50x43mm / 1.8kgs		
Dimming	40%-55%-70%-80%-90%-100% 0-10V SLC & DTU NCCS-APP-2.0		
Light Distribution	120°		
Lifetime	≧50,000hrs		

*Subject to change without notice, Tolerance ±10%

ASSEMBLY INSTRUCTIONS

You can use up to16 light bars depending on track length letting you meet your overall desired PPFD to your canopy. It is recommended to keep a mounting height of 6”-12” (15.2cm-30.4cm) above canopy for optimal light efficiency and uniformity. Growers should regularly monitor the temperature at the canopy level to ensure the appropriate height of the fixture is correct, as canopy temperature and ambient room temperature can differ.

CAUTION :

** Don’t remove the protective paper preventing damages to the diode array when handing light bars.*

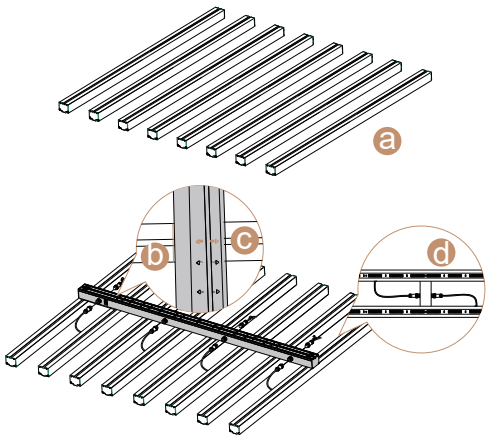
** Use the figure tag on the top of each light track as a convenient installation template for light bar. For instance, 8 light bars correspond to “8”(the figure tag), if 8 light bars are selected to use.*

** Be sure light bar and track are clean, and wear cotton gloves.*

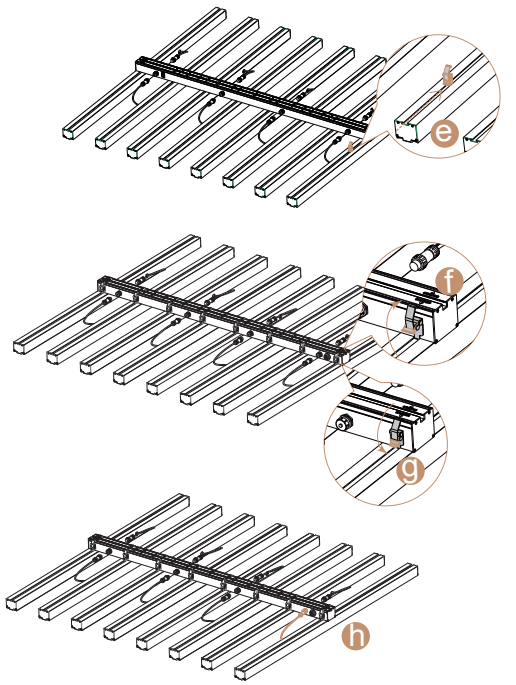
** When you insert the light bar cable, please do not go across the light track.*

To install the light bars on the light track (8 light bars for an example)

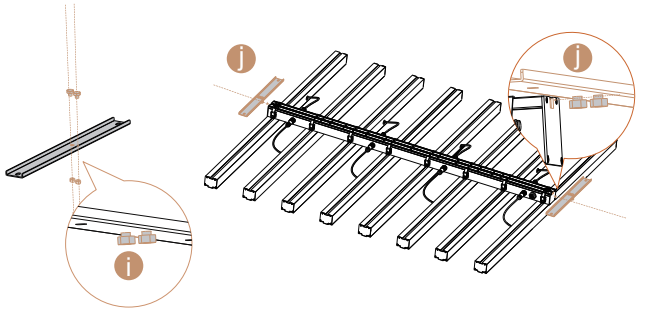
1. Place 8 light bars on a sturdy and flat surface with the diode array facing down (Fig.a).
2. Adjust the light bar direction, rotating every other light bar 180 degrees to ensure all neighboring light bars are plugged in on opposite sides. (Fig.d)
3. Attach light track above the light bars. Make sure light bars are properly centered on each corresponding mark. (Fig.b&c)



4. Insert the Fast Mounting Clip into the groove on light bar (Fig.e). Slide clip into light track until the clip is in place to hold the light bar (Fig.f). Press the fast mounting lever to lock in place (Fig.g).
5. On the light track, you will find a dust cap covering the input port. Remove dust cap, then insert and tighten light bar cable firmly into jack (Fig.h).

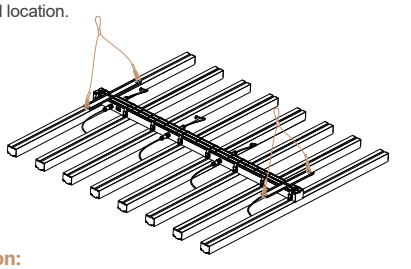


6. Insert the M6 screw and nut into the support frame at first, but do not tighten your screws (Fig.i); Leave space between the nut and support frame. Slide them into the light track (Fig.j); Adjust the support frame to keep the balance, and then tighten the M6 screws.



Fixture Hanging (Wires/Ratchets)

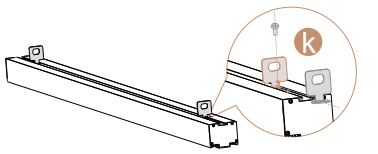
1. Attach the carabiners from the steel wire hanger (optional) to the hanging hole (on the support frame).
2. Hang the fixture in the desired location.



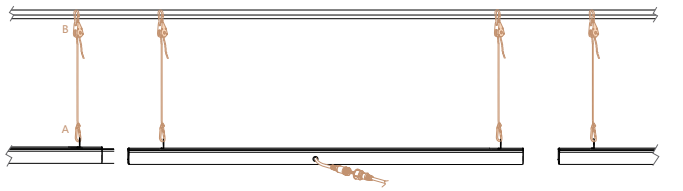
Single Light Bar Installation:

Method#1: (Tab with eye-lit)

Slide the tab into light bar adjusting it in a desired place (keep the balance), and then insert and tighten M6 screw nut to secure it (Fig.k).

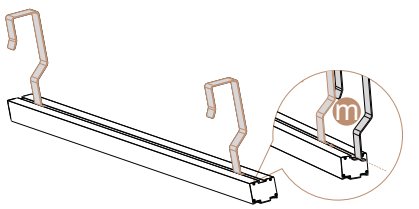


Attach the carabiner from the steel wire hanger to the light bar hole (A). Hang the fixture in your hanging support frame (B).

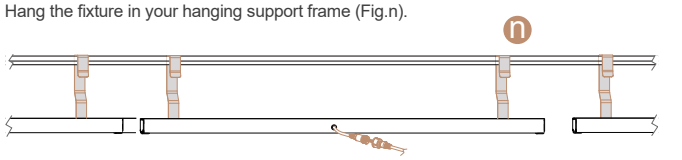


Method#2: (Hook)

Slide the hook into the light bar adjusting it in a desired place (keep the balance) (Fig.m).



Hang the fixture in your hanging support frame (Fig.n).



Single Light Bar Use:

If single bar is purchased for side or inter-canopy lighting, a separate power cord for each light bar is needed.