ALWAYS COMPLY WITH LOCAL INSTALLATION REGULATIONS AND CODES

The fixture is suitable for both indoor and greenhouse environment. Do not install your LED in wet 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 bar is 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.

Our fixture comes with a heat sink and other cooling components, which enable it to dissipate heat effectively and allow maximum heat conductivity during the operation.

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.
- 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 the heatsink and LED array.
  1. Disconnect from power supply before general care.
  2. Remove the dust from the light bar 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 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 or light bar dropped and corner of its enclosure got bent.
- There are no serviceable parts inside the LED. Opening the LED will void its warranty.

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 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.

WARRANTY

Nanolux warrants manufacturing defects of this product if it is 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 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

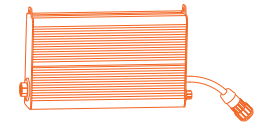
OPERATING MANUAL

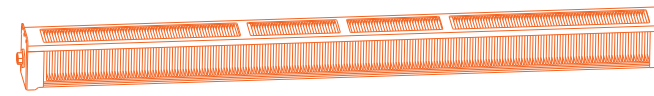
LED

Modular design

LED TOP LIGHTING 630W

0-10V SLC COMPATIBLE



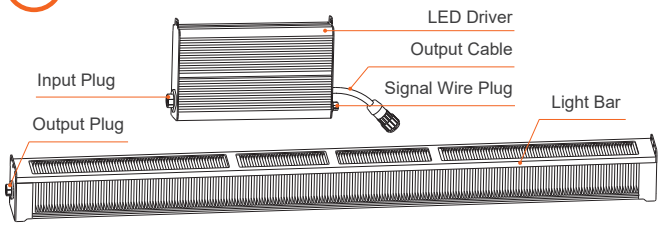


NANOLUX

PLEASE READ THESE INSTRUCTIONS FIRST BEFORE INSTALLATION

Welcome to purchase and use this new LED luminaire. 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 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 F630
Input Voltage	AC120V/208V/240V/277V
Light Bar Input Power	@ 277V 600-660W
Efficacy	@ 277V 2.9~3.0μmol/J
Spectrum	Full Spectrum
Light Bar Dimension / Weight	46.5x3.9x3.1inch / 13.9lbs 1182x100x80mm / 6.3kgs
Dimming	0-10V SLC compatible
Light Distribution	120°
Lifetime	≧50,000hrs

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

NOTE: The light bar needs to connect our LED Driver to work well, please don't connect other one.

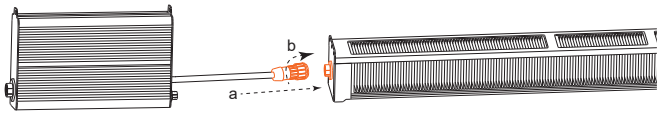
ASSEMBLY INSTRUCTIONS

It is recommended that you keep a mounting height of 70"-86"(1.8m-2.2m) 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 :

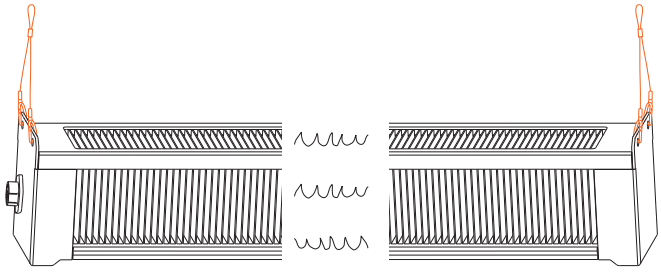
** Don't remove the protective paper so as to prevent damage to the diode array when handing light bar.*

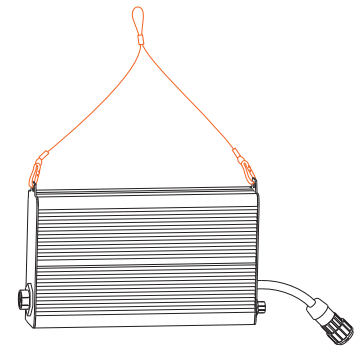
** Be sure light bar is clean, and user shall wear cotton gloves.*

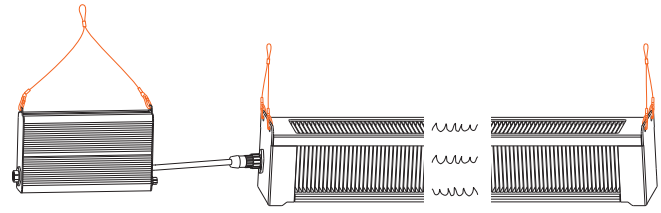


Fixture Hanging (Wires/Ratchets)

1. Attach the carabiners from the steel wire hanger (optional) to the hanging hole on the light bar and LED driver.
2. Hang the fixture in the required location.







0-10V DIMMING

This model is compatible with SLC controller.

Connect the signal wire plug on the LED driver to the 1 end of the Y shape signal wire, then connect the 2 end of the Y shape signal wire to the output port on the SLC controller with a telephone wire. Then the dimming function on the LED fixture is enabled.

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

CAUTION:

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

For detailed instructions, please refer to SLC controller operating manual.