

XR-830W LED

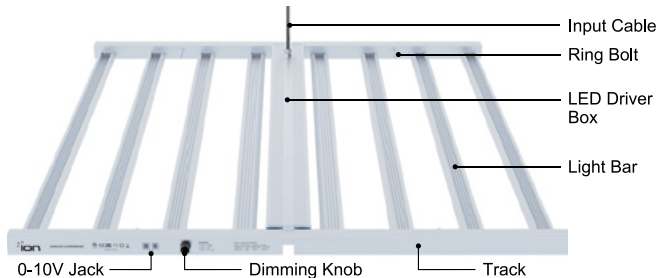
OPERATING MANUAL

IONLED COMM830 | 0-10V COMPATIBLE | FOLDING FIXTURE

PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND USE

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



Dimming	
Turn Dimming Knob to Numbers	LED Working Wattage
Turn to 7	OFF
Turn to 6	830W
Turn to 5	700W
Turn to 4	560W
Turn to 3	430W
Turn to 2	300W
Turn to 1	170W

(EXT: 0-10V compatible)

TECHNICAL SPECIFICATIONS

Model	IONLED COMM830
Input Power	830W
Input Voltage	120V - 277V & 480V
120V	7.14A
208V	4.07A
240V	3.55A
277V	3.06A
480V	1.73A
Input Frequency	50/60 Hz
Light Output: PPF	2410 $\mu\text{mol/s}$
Efficacy	2.90 $\mu\text{mol/J}$

Lifetime L90	$\geq 50,000$ hrs
Water-Resistance	IP 66
Light Distribution	120°
Spectrum	Full Spectrum
Dimensions	1145x1110x60 mm / 45.1x 43.7 x2.4 inch
Weight	10.3 kgs / 22.7 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.97



PATENTED PRODUCTS, COUNTERFEITING NOT ALLOWED.
Made in China



ASSEMBLY INSTRUCTIONS

The power rate of the light bars can function when the external gear button is pressed to the corresponding gear. 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.



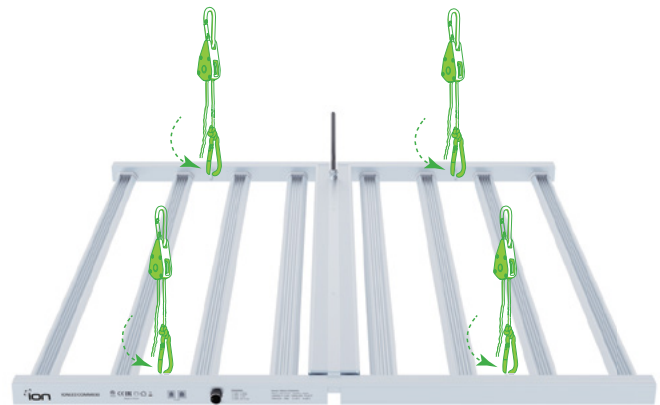
CAUTION



- * Don't peel off the protective paper until installed to prevent damage to diode.
- * Be sure light bar and track are clean, and user shall wear cotton gloves.

STEPS

- 1. FIRST TAKE THE FIXTURE OUT OF THE PACKING.**
- 2. UNFOLD THE FIXTURE TRACK (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 ROPE RATCHET (OPTIONAL) TO THE RING BOLTS (FIG.B).**
- 4. HANG THE FIXTURE IN THE REQUIRED LOCATION.**



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

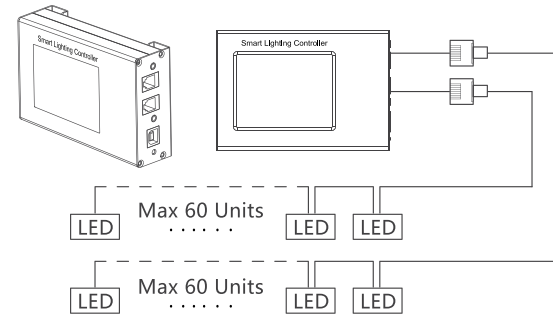
touch any hot part of the fixture. Make sure the fixture is clean and hanging correctly. The normal operating environment temperature should be below 104°F. Exceeding the maximum environmental temperature will stress electronic components, which will lead to shorter lifetime and decreased reliability.



0-10V DIMMING

This model is compatible with Smart Lighting controller. When using 0-10V function, please turn the dimming knob to EXT. Insert telephone wire into the jack of the track and Smart Lighting controller, and then Dimming function on the LED fixture is enabled.

- Maximum of 120 units can be controlled by Smart 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 track allows for multi-fixtures connected in parallel.



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 Smart Lighting controller into an over temperature condition and shutting the lights off. Then leave the probe alone, and after 10-15 minutes as recommended, the Smart Lighting controller should turn all the lights back on.

For detailed instructions, please refer to Smart Lighting controller operating manual.

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.

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 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 fixture 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 fixture. Opening the fixture will void its warranty.

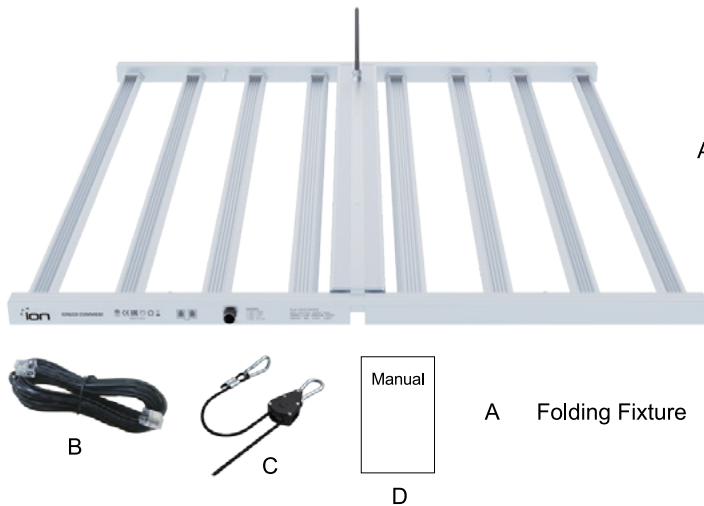


WARRANTY

We hereby warrant 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, we shall, at our 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**.

PRODUCT PACKING LIST



	NAME	QUANTITY
A	Folding Fixture	1
B	Telephone Wire	1
C	Rope Ratchet	4
D	Operating Manual	1