HYPERMOL 1000W EFX




ILUMINAR®

# USER MANUAL

## HYPERMOL EFX 1000W

SKU: IL-HMOL-1000-EFX

# 00 Contents


**01** Pre-Install Information

**02** Technical Specification

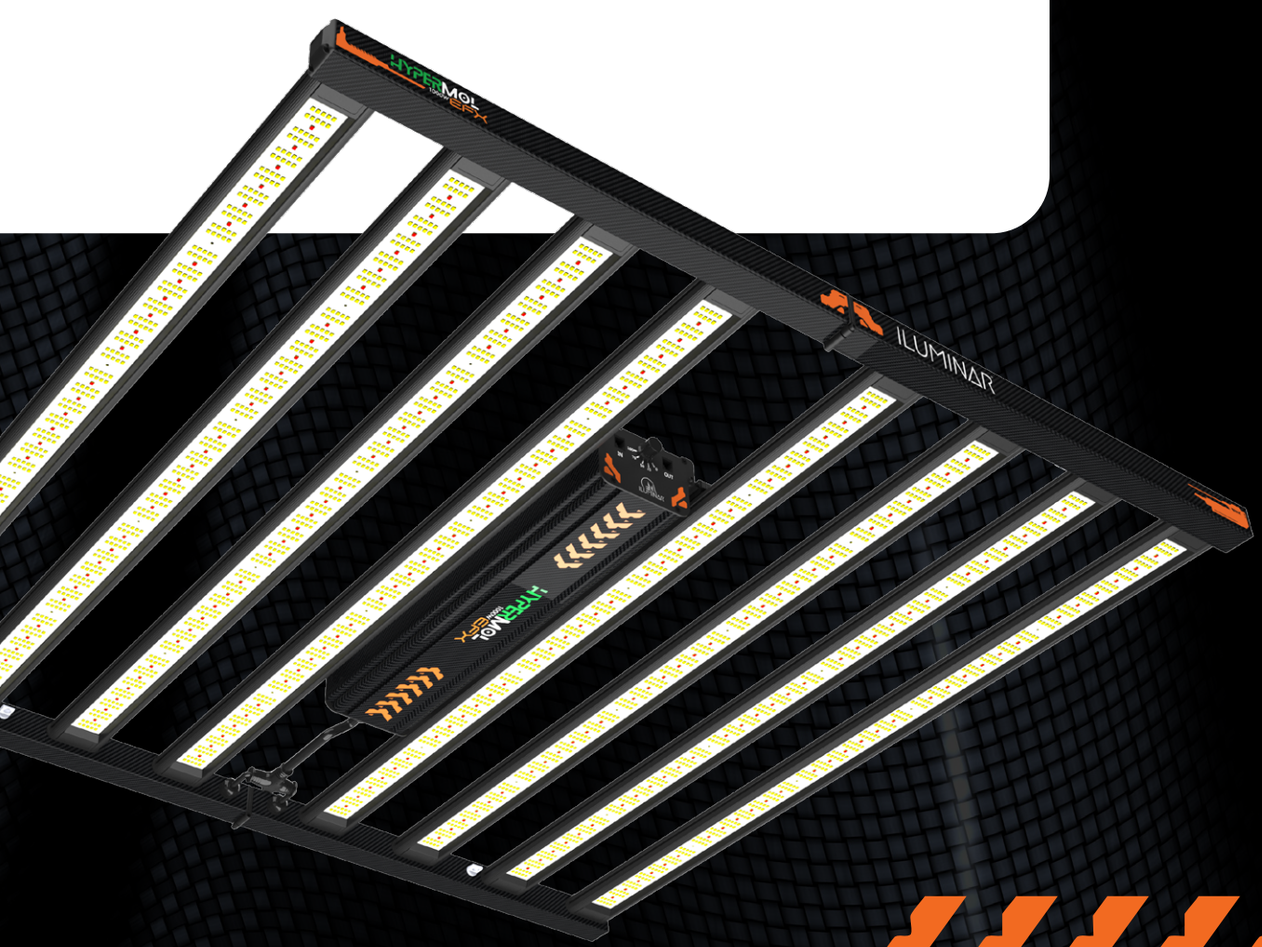
**03** Physical Specifications

**04** Hardware & Accessories

**05** Hanging Installation

**06** Rebate Program

**07** Important Cautions & Warranty



www.iluminarlighting.coms 1-877-540-5588 sales@iluminarlighting.com



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# 01
# Pre-Install Information

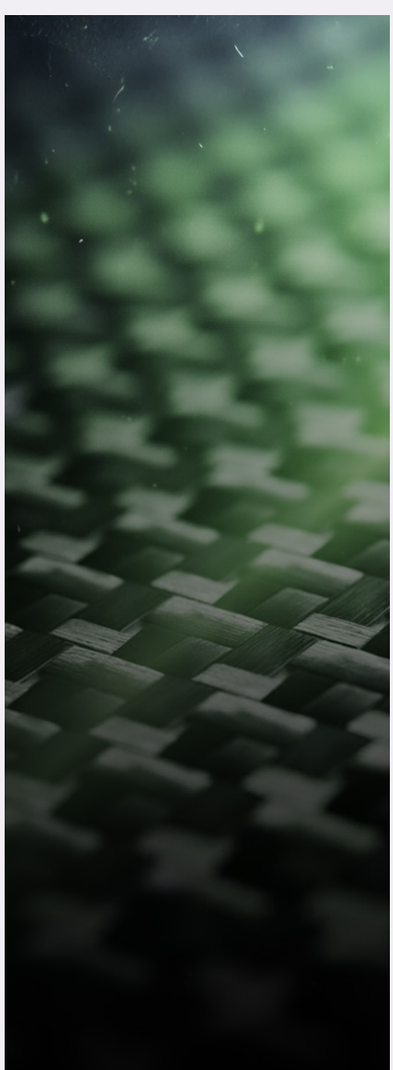
**Please read this manual thoroughly prior to installing or operating the ILUMINAR HyperMOL EFX 1000W**

- Observe all safety precautions (see page 11), seek the services of a qualified electrician, installation professional, or call ILUMINAR Lighting technicians for assistance.
- DO NOT handle or touch the fixture while in use.
- Connect the fixture only to the power sources of the appropriate voltage using the correct AC plug type. Protect power cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet to the unit. Only connect the fixture to an electrical outlet or extension cord of comparable standard and level rating. Connect the fixture ONLY to the power sources of the correct voltage using the plug received.
- The fixture should only be cleaned as directed. Always seek service for your system by qualified service personnel if any of the following occur:
    1. The fixture shows a noticeable change in performance.
    2. The powersupply cord or plug is damaged.
    3. The fixture has been dropped, or the exterior is damaged.

## DELIVERY CONTENTS

- 1x 1000 W LED Fixture
- 1x LED Driver
- 1x Power Cable 6' with Plug Additional
- 1x 3m RS485 Signal Cable
- 2x Adjustable Hanging Kits
- 2x Un-adjustable Hanging Kits
-1x Allen Key

*Please keep the instruction manual, It might come in handy with future troubleshooting.*



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# 02 Technical Specs

**MODEL:** HyperMol 1000W
**WATTS** 1000W
**VOLTAGE:** 110 - 277V
**SKU** IL-HMOL-1000-EFX

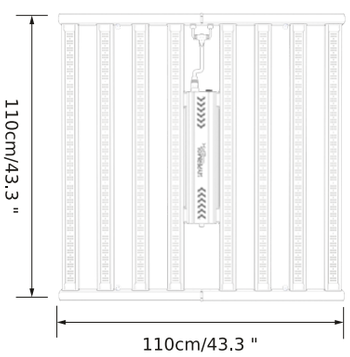
## TECHNICAL SPECS

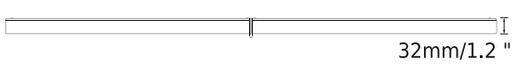
| | |
|---|---|
| Rated Voltage | AC 110 - 277V |
| Power Consump | 1000W ± 5% |
| Power Supply | Fahold LED Drivers |
| PPF | 2900 µmol/s |
| Efficacy | 2.9 µmol/J |
| LED Spectrum | Full Spectrum |
| Power Factor | >0.9 |
| Control | Dimmer / 0-10V input and output |
| Frequency | 60Hz |
| Ambient Temperature - Working | 0°C - 35°C / 32° - 95°F |
| Light Distribution - Beam Angle | 120 Degree |
| Waterproof Rating | IP65 |
| LED Lifespan (90% of Life) | 50000 hours |
| Daisy Chain | Max. 45 * fixtures by daisy chain |
| Light Source | Samsung LM281B+ Pro * 2800 pcs<br>4000K LED+ Honglitronic SMD3535<br>660nm * 240 pcs |



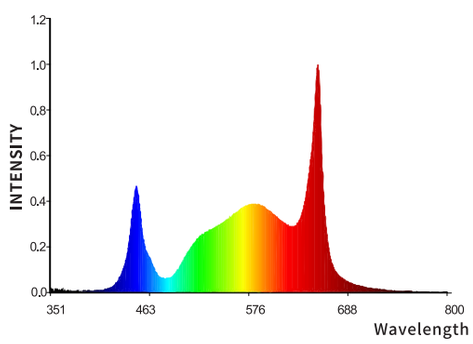
## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| Height | 115mm / 4.5" |
| Weight - N.W./G.W. | 16.5kg/17.5kg \| 36.37bs / 35.7lbs |

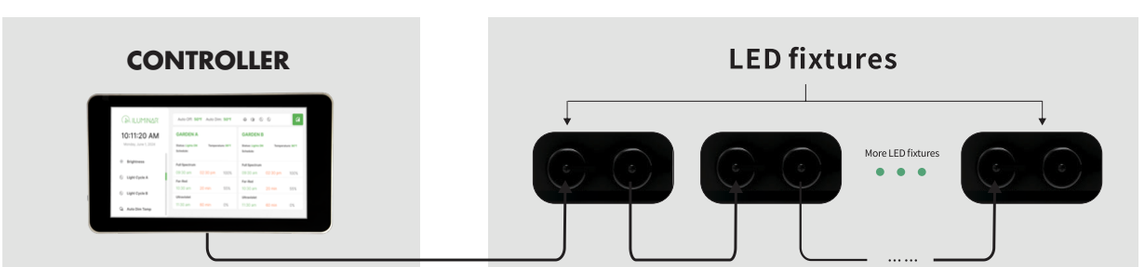



## SPECTRUM




## CONTROL DIAGRAM











5 YEAR WARRANTY

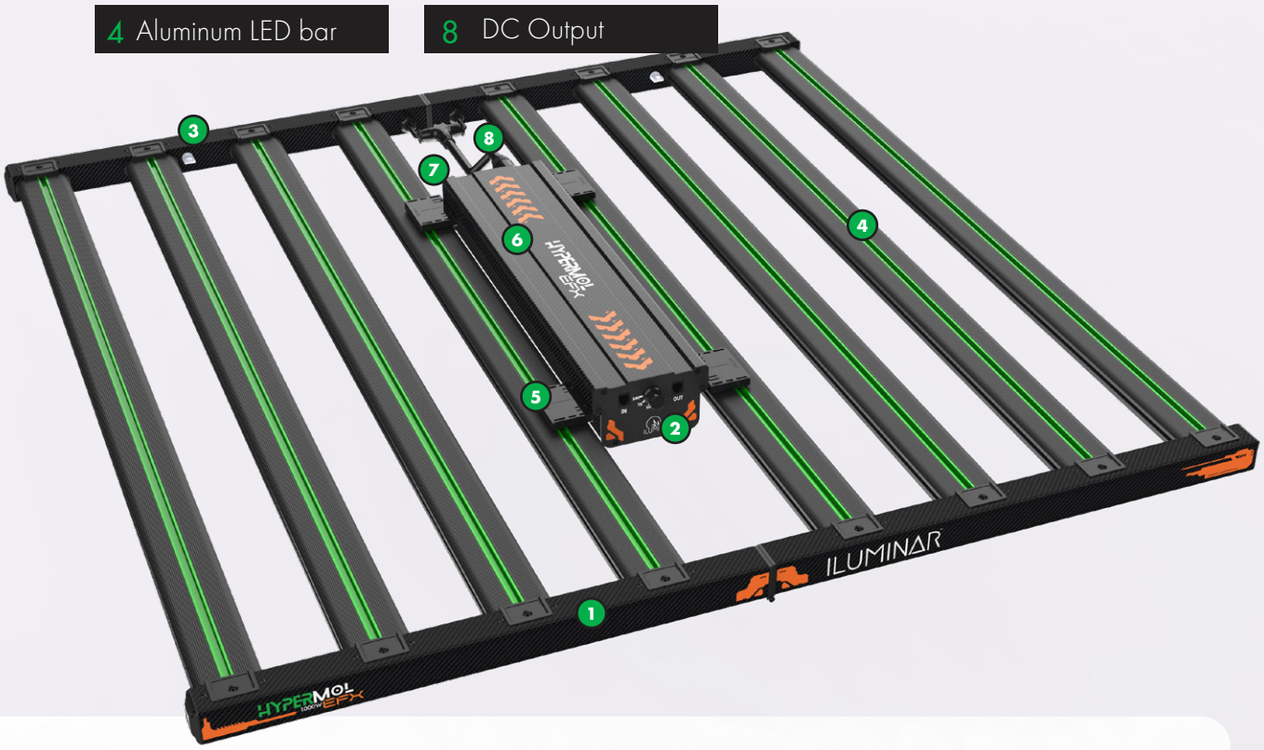
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# 03
# Physical Specifications

## MAIN PARTS OF LED FIXTURE:

| | |
|---|---|
| 1 Aluminum Frame | 5 Bracket |
| 2 Signal In & Out | 6 Driver Box |
| 3 Hanging Ring | 7 AC Input |
| 4 Aluminum LED bar | 8 DC Output |




Folding design and compact package:






Easy replacement design:

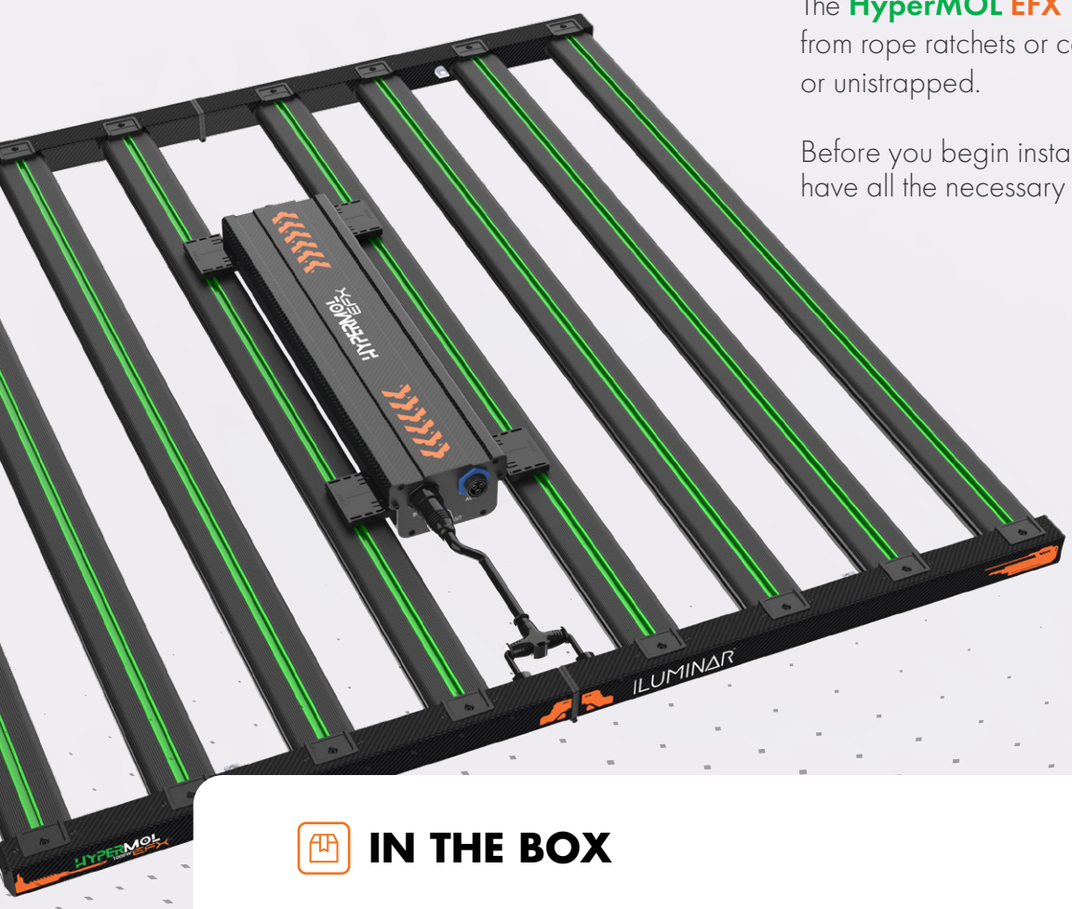



To replace single LED bar




To replace driver box

# 04
# Hardware & Accessories

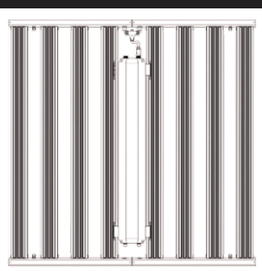



The **HyperMOL EFX 1000W** can be hung from rope ratchets or can be mounted on a rack or unistrapped.

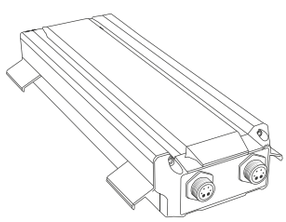
Before you begin installation, check that you have all the necessary parts to begin.

## IN THE BOX

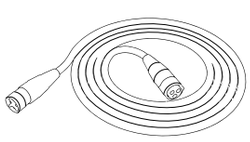
**1** HYPERMOL EFX 1000W



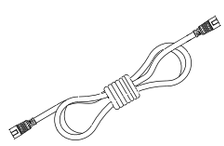
**1** LED Driver



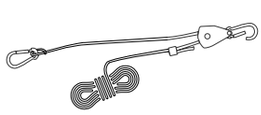
**1** Power Cable 6'



**1** Signal Cable



**2** Adjustable Hanging Kits



**2** Un-adjustable Hanging Kits

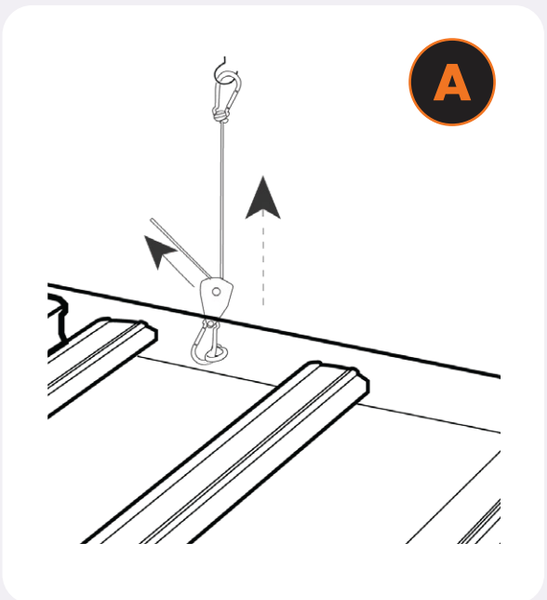


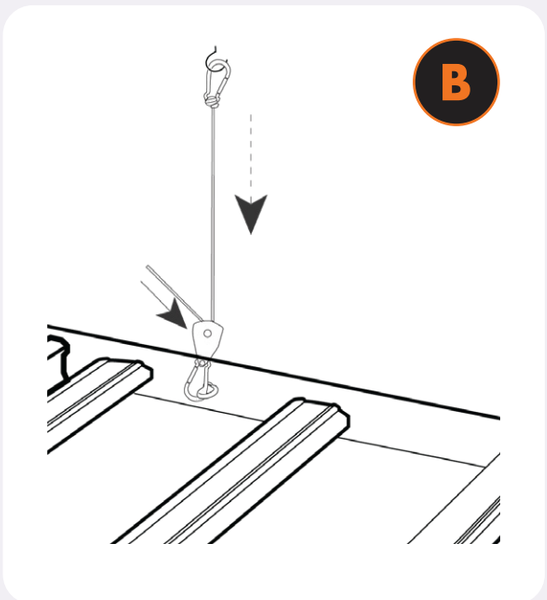
# 05
# Hanging Instalation

**1.** To suspend mount, attach the 4 rope ratchets that come packaged with this fixture to the LED.

**2.** Lift the LED and attach the carabiners to pre-installed hooks from ceiling or mounting beam. The ratchets should be installed closest to the LED (and not the ceiling).

**A:** Remove slack to raise fixture.
**B:** Give slack to lower fixture.

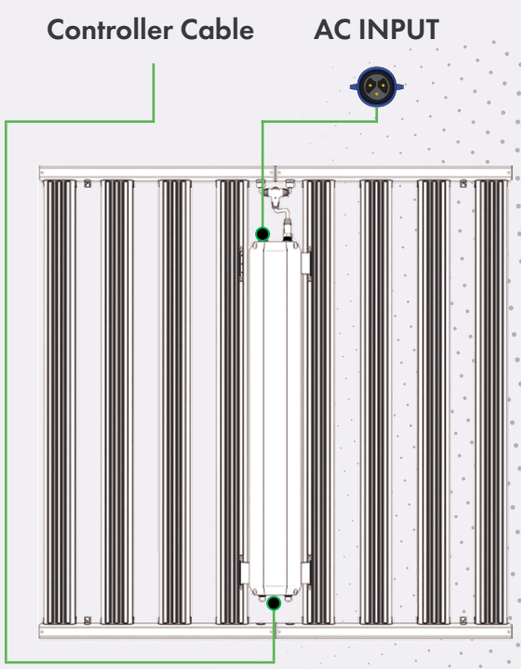



**3.** Once fixture is hanging with all LED bars installed, connect the power cable (blue tip) from the outlet to one side of the fixture.

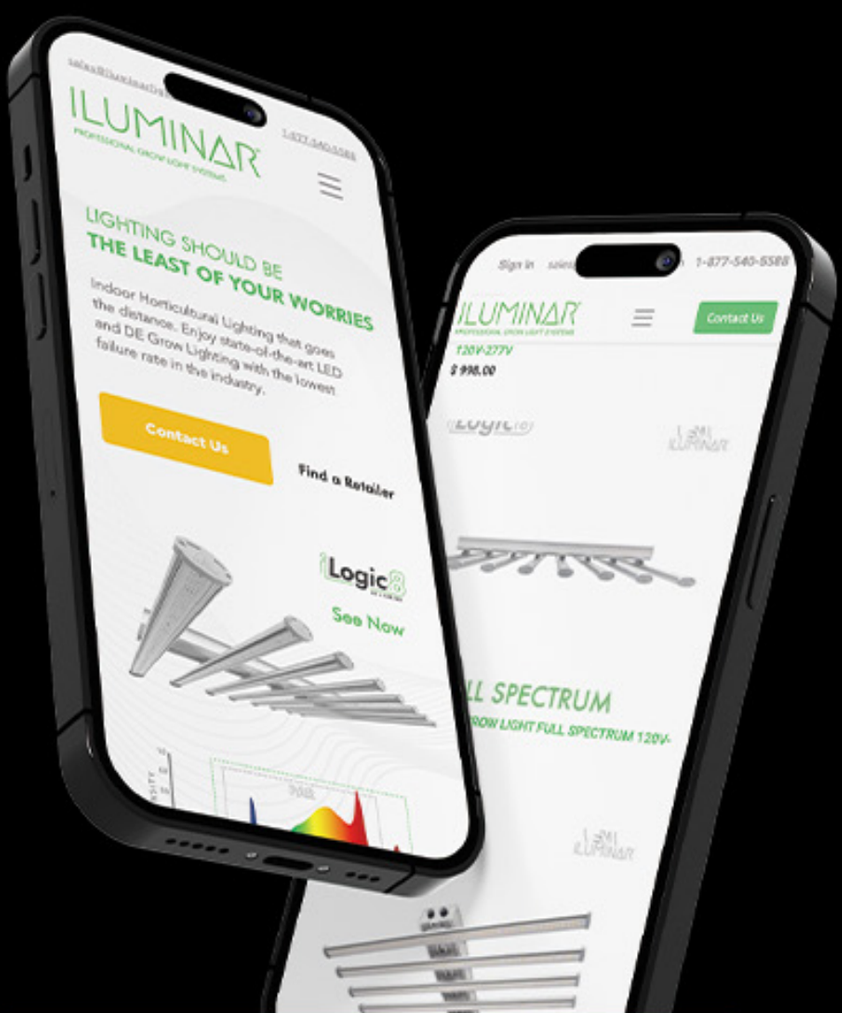



***CAUTION** when handling your ILUMINAR Fixture. The LED array should NOT come in contact with sharp objects. DO NOT touch diodes or apply direct force to the diodes as this can/will cause permanent damage.*



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# BEFORE YOU BUY AN LED
# CHECK YOUR
# REBATE




**FIND OUT MORE**

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# 07 Important Cautions & Warranty

## PREPARATION

### Transportation

Improper transportation may harm or can even cause damage to LED lamp and power housing box). In case of obvious damage or incomplete scope of supply, please refer to your vendor immediately.

### Unboxing

Please handle and unbox the LED lamp with care! Check the delivery contents for completeness first. A detailed list of the product range is contained on the inner cover in this manual.

## OPERATION

### Safety measures & precaution

**Warning!** This LED fixture is powered with electricity **(AC110-277V)**! To prevent injury, we ask you to desist from improper use!

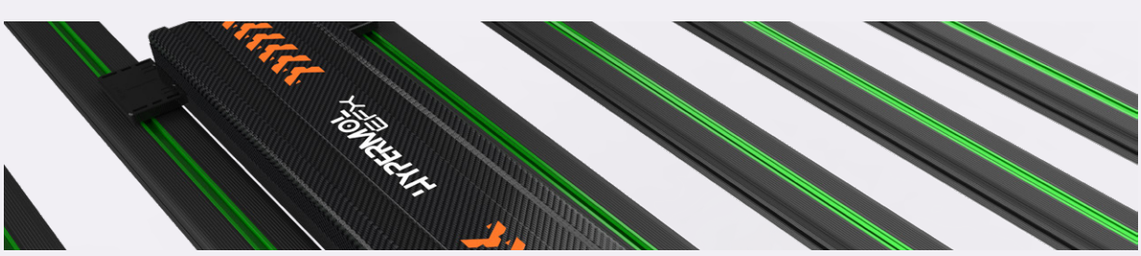
Never open the case of the device! Health hazards await the consumer and the warranty of the device expires.

### Putting into service

Operate the LED fixture only horizontally, while hanging or slightly angled (approx. about 20°). Deploy the LED lamp fixture about 30-60cm above the top of the plants.

### Proper use

Do not use the LED fixture vertically or as illumination device upside-down (direct eye contact and long exposure over time may cause permanent damage to your eyesight!). We don't advise you to deploy the device as a room illuminant. It is exclusively designed and developed for plant breeding and cultivation. Please ensure that the LED fixture is being operated out of sight and out of reach of children and animals to protect their eyes!



# 07 Important Cautions & Warranty

## CAUTION

**Please read the following list carefully prior to beginning installation.**

**1.** Leave at least one inch of space between the fixture and the mounting area for maximum performance and lifespan.

**2.** ALWAYS wear protective eye wear when looking directly at the diodes to prevent eye damage.

**3.** Only handle, clean or move fixture when it's unplugged and completely cool.

**4.** Keep the fixture free of dust, debris, deposits to ensure the maximum potential of the fixture.

**5.** NEVER use cloth to clean the diodes. This will scratch the diodes and could potentially break or dislodge them.

**6.** DO NOT use chemicals to clean the fixture. Use ONLY low pressure air or low pressure water to remove dust and debris.

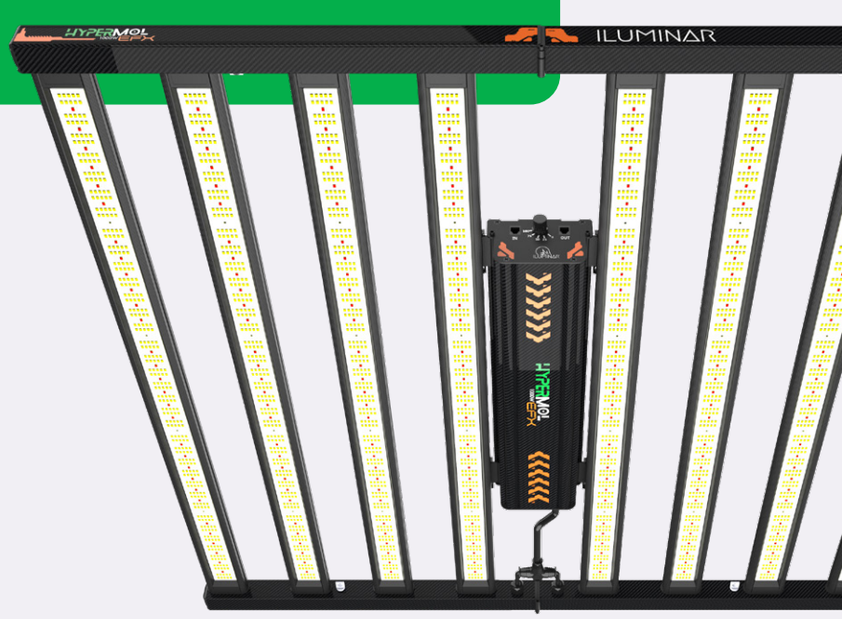
**7.** Do NOT exceed 80% max load for breakers due to Inrush current in LED fixtures.

**8.** Do NOT use sulfur vaporizers.

## GUARANTEE

**5 YEAR WARRANTY**

At ILUMINAR, we stand behind our products and our technology as well as our customers. All ILUMINAR LED fixtures are backed by our 5-Year Guarantee. Please visit our website iluminarlighting.com/warranty for more information.






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