



AEpic

Grow Light

User Manual

READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION

Thank you for purchasing the AEpic LED grow light. AEssense has strived to build a high quality, long lasting grow light designed to give growers excellent yield. Please read and understand this manual completely before installing and using this product. Incorrect installation or use can lead to failure and damage to the grow light. Damage to the grow light as a result of incorrect installation or use may void your warranty.

AMBIENT OPERATING CONDITIONS

This grow light is intended for indoor environments with climate control only. It is **suited for damp locations** but should not be used outdoors or in wet environments with direct exposure to water. Installation of grow lights should always follow local installation and safety regulations. **DO NOT INSTALL YOUR AEPIC GROW LIGHT OUTDOORS OR IN A WET ENVIRONMENT.**

LED grow lights generate heat. Do not operate AEPIC grow lights close to flammable materials. Do not touch the LED bars during or right after operation, and make sure the power cord does not come in contact with any hot part of the grow light. **A mechanical ventilation or cooling system is required to maintain the temperature within the growing space below 104 °F (40 °C).** Exceeding this temperature may stress the electronic components, leading to shortened operational lifetime and decreased reliability.

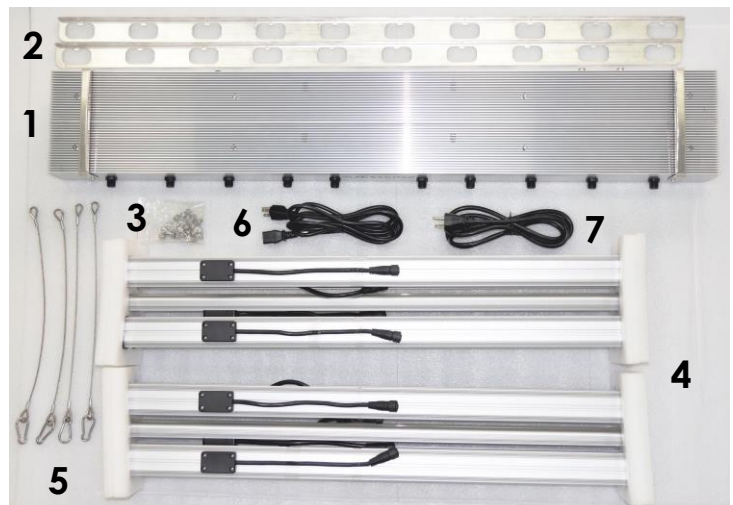
ASSEMBLY INSTRUCTIONS

SAFETY PRECAUTIONS

- **Always** assemble the grow light fully before switching on mains power
- **Always** switch off mains power before replacing any component
- Keep all components away from water

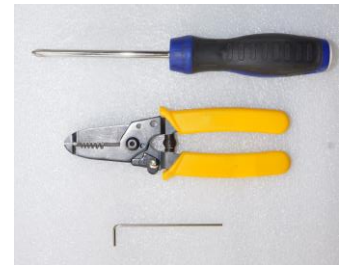
HARDWARE COMPONENTS

1. (1) Main body
2. (2) Side brackets
3. (2) Plastic bags containing
 - a) (4) thumb screws
 - b) (20) Side bracket holders
 - c) (20) Bolts
 - d) (20) Hex screws
 - e) (20) L-brackets
4. (10) LED bars
5. (4) Hanging strings
6. (1) Power cord (NEMA 5-15P)
7. (1) Power cord (NEMA 6-15P)



REQUIRED TOOLS

1. #1 Phillips screwdriver
2. 3/32" hex key (2 mm)
3. Pliers (of any kind)
4. Cotton gloves, dry cloth

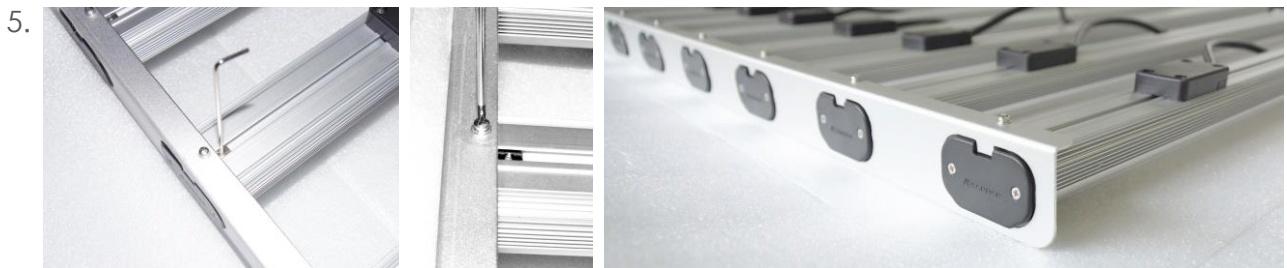
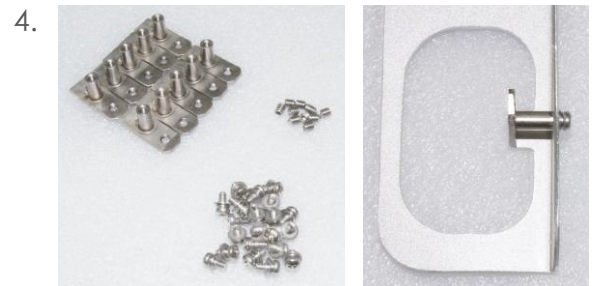


ASSEMBLY INSTRUCTIONS (STAGE 1)

1. Place the box on a hard and flat surface
2. Open the box and remove all components
3. Place all LED bars on the empty box or a flat surface with the clear plastic side down
4. Assemble all (20) side bracket holders by inserting a hex screw into each holder, and install them on the (2) side brackets with the bolts – do not tighten the bolts yet
5. Install one of the side brackets onto the LED bars – tighten the bolts and hex screws

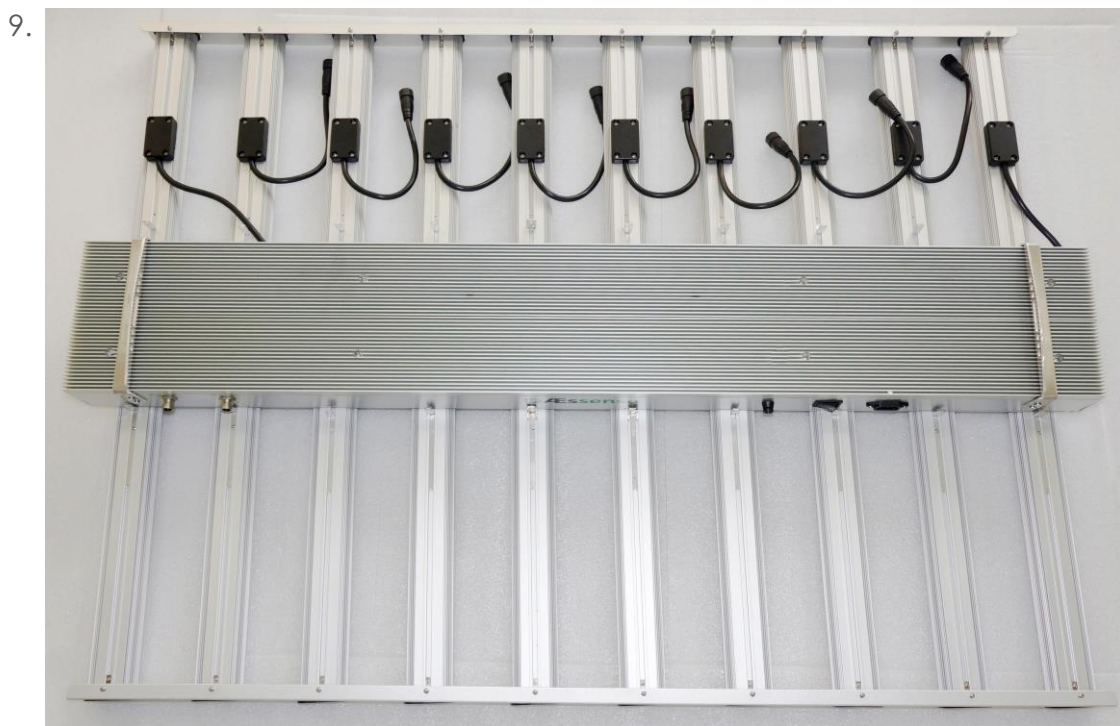
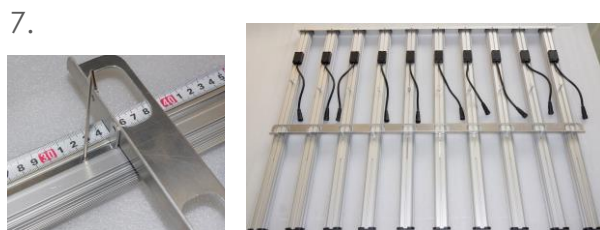


Stage 1 complete



ASSEMBLY INSTRUCTIONS (STAGE 2)

6. Slide (2) L-brackets into each LED bar
7. Align the L-brackets
 - a. Position the each L-bracket pair at the center of the bar
 - b. Use a straight object (e.g. one of the side brackets) to align the L-brackets
8. Install the other side bracket
9. Place the main body on the bars onto the L-brackets
 - a. Adjust the L-bracket positions as necessary
 - b. Tighten the bolts holding down the L-brackets



Stage 2 complete

ASSEMBLY INSTRUCTIONS (STAGE 3)

10. Use the thumb screws to affix the first LED bar and the last LED bar to the main body
11. Tighten every thumb screw with the pliers
12. Connect the LED bar cables to the main body by attaching each male connector on each LED bar cable to the corresponding female connector on the main body
13. Hang the grow light at the desired location and plug the AC power cord into fixture and wall outlet. Make sure no one is looking directly at the LEDs when power is connected.

10.



11.



12.



Fully assembled grow light

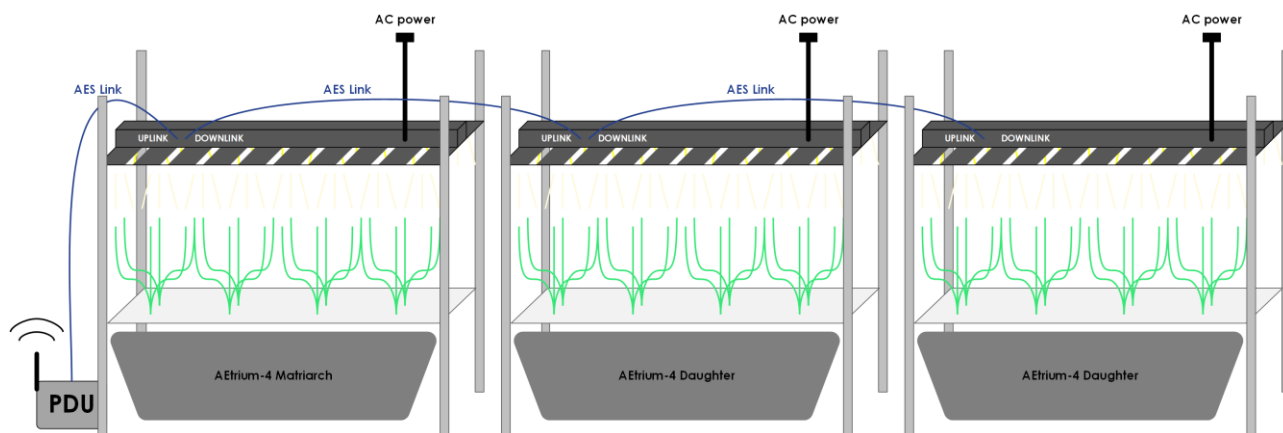
AES LINK CONNECTION (AETRIUM-4)

1. Use the AES Link cable to connect the grow light to the AES Link daisy chain
 - a. Make sure the PDU is on
 - b. Make sure the grow light is off
 - c. Connect the Uplink to the PDU or to the adjacent grow light closer to the PDU
 - d. Connect the Downlink to the adjacent grow light farther from the PDU (if any)
 - e. Turn on the grow light
 - f. It may take the network up to one minute to index the light
2. If the PDU loses power, it may not be able to reconnect to the grow lights. If this happens, just turn the grow lights off and on again



Away from PDU
(Light Comm. OUT)

Toward PDU
(Light Comm. IN)



GENERAL CARE

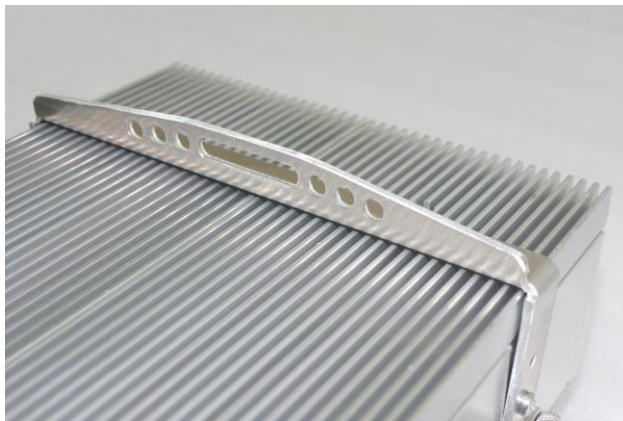
Regularly clean the grow light with a dry cloth to ensure optimal cooling. Switch off mains power before cleaning. Check your electrical connections regularly.

If the power cord is damaged, it MUST be replaced by AEssense or a qualified service agent to avoid any hazards.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

INSTALLATION

Hang the AEpic grow light in the desired location using the hanging bracket and adjust the mounting height to six inches from the plant canopy. Once the grow light is in place, plug the AC power cord first into the grow light and then the wall outlet.



Hanging bracket



AEpic grow light hanging over grow tray

Only connect the AEpic grow light to power sources with the correct voltage (100-240 V AC, 50-60 Hz) using one of the provided power cords. Protect the power cords from being damaged in any way. **Only connect the AEpic grow light to an electrical outlet of appropriate type and rating.** Be particularly cautious when routing the power cords.

1. The power cords must not be secured to the building structure
2. The power cords must not be concealed or routed through ceilings, floors, walls, or other parts of the building structure
3. The power cords must not be located above a suspended ceiling or dropped ceiling
4. The power cords must be routed so that they are not subject to strain and are protected from physical damage
5. The power cords must be visible over their entire length
6. If you use extension power cords, they must be used within their rated ampacity as determined for the maximum ambient temperature of 104 °F (40 °C). The AEpic grow light may draw up to 6A current, depending on the light intensity setting and the voltage of the power source.

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