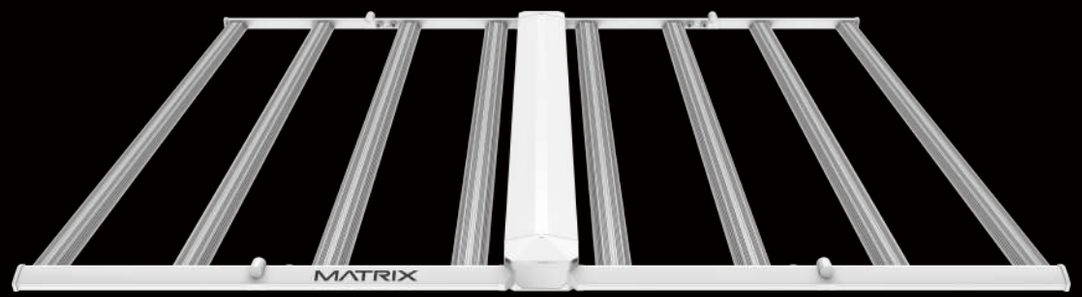
MASTER YOUR GROW

MATRIX

M DYNA

USER MANUAL



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1575 E Acacia St, Ontario, CA 91761

official@matrix-lighting.com

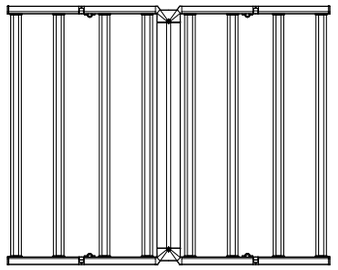
www.matrix-lighting.com

1. SAFETY INFORMATION

Warning! Please read the following information carefully before installing and using.

1. Check and comply with your local law and restrictions for additional safety requirements of installation and operation.
2. Make sure your AC power source conforms to the electrical requirement of this light.
3. This light is suitable for operation in ambient not exceeding 104 °F/ 40°C.
4. DO NOT use the devices in this kit in outside area or any hazardous locations such as places near flammable, explosive, corrosive chemicals or wet environment.
5. DO NOT open or disassemble the LED fixture. Opening or modifying the LED fixture without permission may be dangerous and will void the warranty immediately.
6. This product may cause interference to radio equipment and should not be installed near the navigation or communication equipment operating between 0.45-30MHz. DO NOT install this light fixture near the maritime communication devices.
7. DO NOT use the LED fixture if the light fixture or power cord is damaged. Replace the power cord only with a certified cord.
8. Modification to the power cord may lead to electromagnetic interference. It will void the warranty and nullify any compliance of legal regulations.
9. Cut off the power of the light before installing and maintenance.
10. DO NOT spray on the light directly or use sulfur vaporizers.
11. DO NOT touch the light fixture when it is operating. Wait for at least 30 minutes after lights off before touching the light.
12. Keep the LED arrays away from sharp objects or force which may damage the diodes.
13. DO NOT look straight at the LED grow light. Wear an appropriate glasses when the light is working.
14. The installation and operation of this light are the resposibility of the end user. Incorrect installation or operation may cause malfunction of the light and will void the warranty.

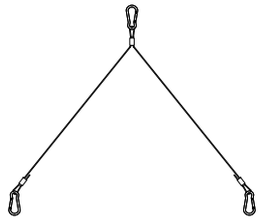
2. PRODUCT CONTENTS



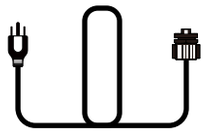
A LED light fixture (1 pc)



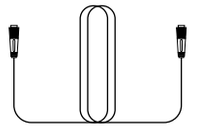
B Solid Decking Mounts (4 pcs)



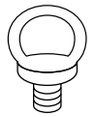
C Lance Hangers (2 pcs)



D Input Power Cord (1 pc)



E A4 Cable (1 pc)



F Eyelet Bolts (2 pcs)



G Instruction Manual (1 pc)

3. PRODUCT INFORMATION

3.1 TECHNICAL SPECIFICATIONS

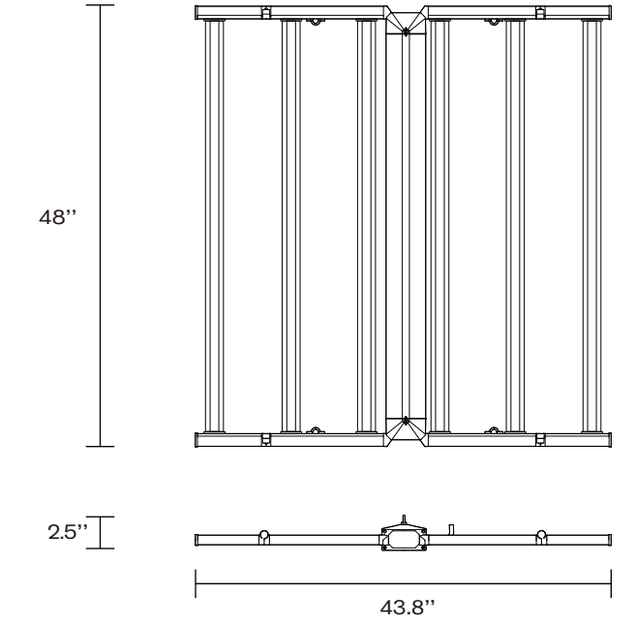
M6 Dyna

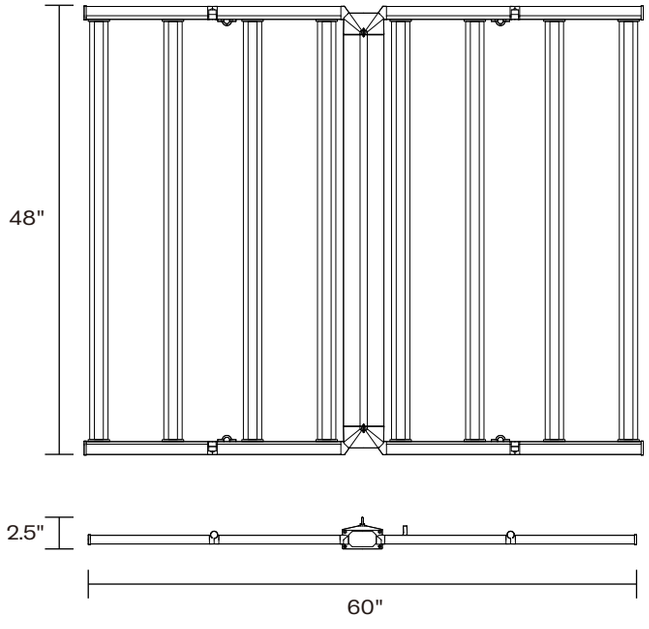
Input Power	760W (Main645W+FR85W+UV30W)	IP Rating	IP66
Input Voltage	120V-277V/277-480V	Size	43.8"L x 48.0"W x 2.5"H 1112 x 1220 x 64mm
Frequency	50/60Hz	Weight	31.97lbs 14.5kg
Power Factor	>95%	Warranty	5-year warranty
Thermal Management	Passive	Certificate	ETL/TISI/DLC/CE/UL8800

M8 Dyna

Input Power	1000W (Main840W+FR110W+UV50W)	IP Rating	IP66
Input Voltage	120V-277V/277-480V	Size	60.0" x 48.0" x 2.5" 1525 x 1220 x 64mm
Frequency	50/60Hz	Weight	36.38lbs 16.5kg
Power Factor	>95%	Warranty	5-year warranty
Thermal Management	Passive	Certificate	ETL/TISI/DLC/CE/UL8800

3.2 DIMENSIONS





4. INSTALLATION

Please read the following information before installation. Installation of this horticulture LED grow light shall be performed by qualified persons with experience. It is suggested that two people install this fixture.

To mount this light fixture properly, start by identifying an appropriate support structure to mount the fixture to. Ensure that the structure is capable of holding the weight of the light fixture and will be stable during the installation process and during operation. Be careful while unboxing, moving, and installing this light.

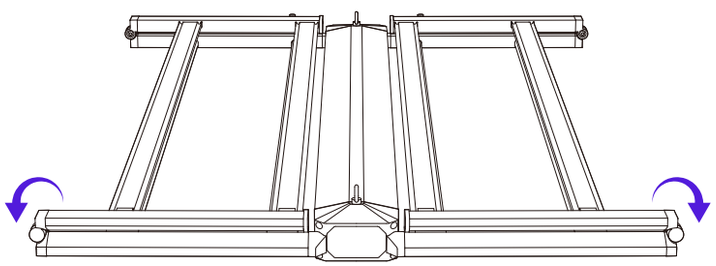
There are 3 options for mounting this light fixture, each method is suitable for different styles of growing
Solid Decking Mounting: For vertical/multiple-layer growers;
Mounting With Hangers: For single-layer growers;
Unistrut Mounting: For single-layer growers.

6" or more of distance to the plant canopy is suggested for the mounting height.

4.1 UNFOLDING THE LIGHT FIXTURE

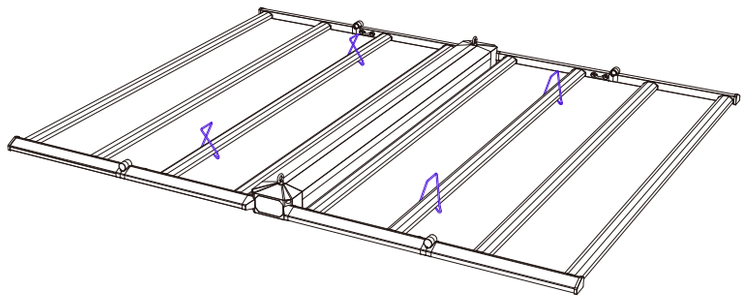
Remove the Light Fixture (A) from the box and place it on a clean, soft surface to avoid damaging the diodes

Lift up the folding parts on both side of the light fixture and rotate 180° to unfold completely.



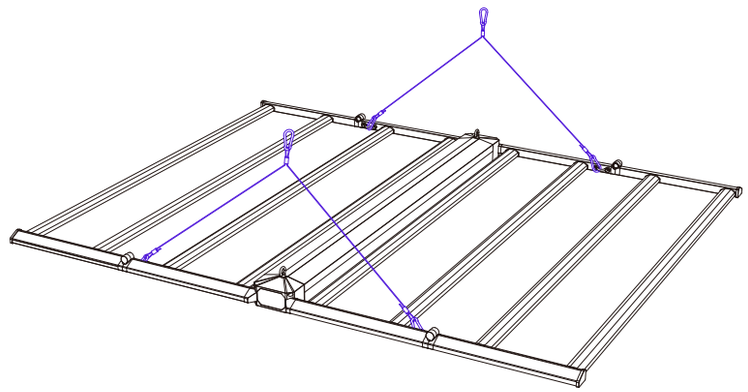
4.2 SOLID DECKING MOUNTING

- Loop the Solid Decking Mounts (B) on the crossbar above the LED light bars second from the center. Use two decking mounts on either end.
- Lift the Light Fixture (A) up and mount on the decking mounts by hooking the two light bars second to the center. Becareful not to damage the diodes when mounting.
- Adjust the position of the Light Fixture (A) by carefully sliding the Decking Mounts (B) onto the crossbar. Ensure that the Decking Mounts (B) are firmly attached after adjustments.



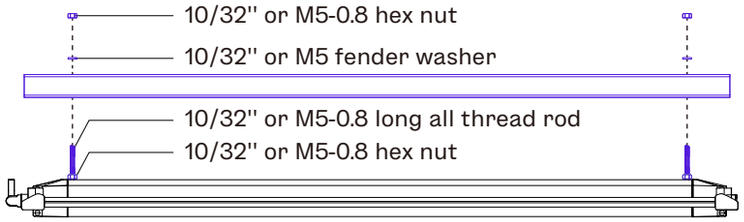
4.3 MOUNTING WITH HANGERS

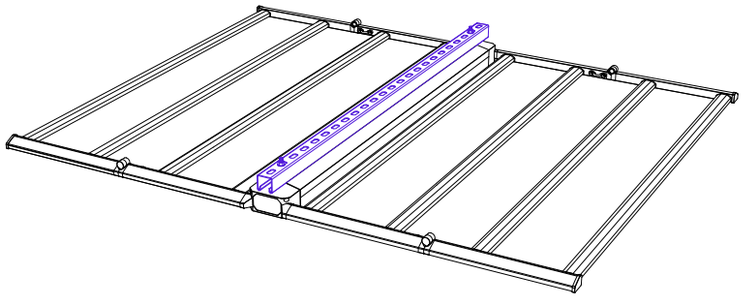
- Allow an additional 25’’ from the top of the Light Fixture (A) for the length of hanger.
- Slide the clips of each Lance Hanger (C) onto the bolts on each side of the Light Fixture (A).
- Hang the Light Fixture (A) from the center of the Lance Hanger (C).



4.4 UNISTRUT MOUNTING

- Fasten the lamp securely using M5-0.8 length screws and secure it further with nuts of the same size.
- Insert the screw through the keel hole and place an M5 gasket at the back of the hole.
- Tighten the M5-0.8 nut firmly. Alternatively, you can also utilize 10/32" screws and nuts instead.

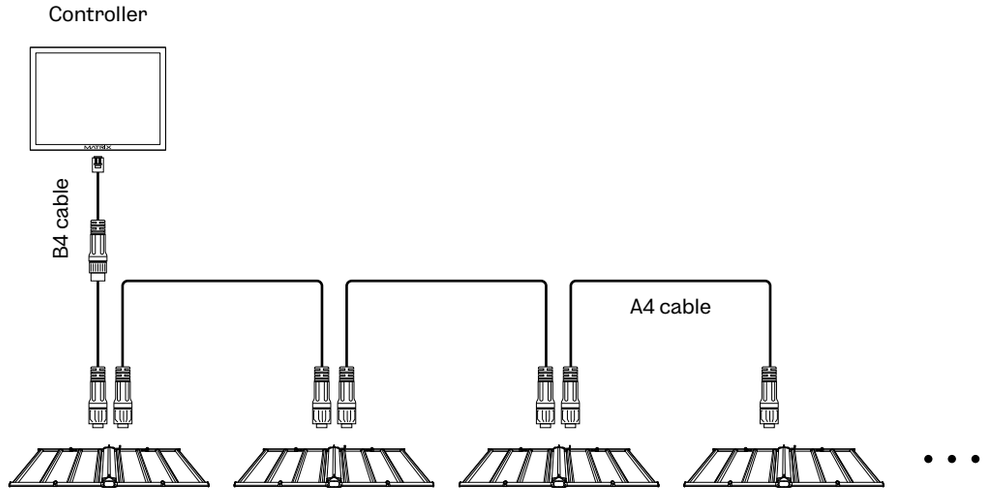




4.5 USING WITH A CONTROLLER

The M Dyna Series is compatible with the MATRIX controller via RS485 control. To begin, unscrew the waterproof cap on the light's control port. Use the B4 cable (included in the controller) to connect the controller to the input port of the first light fixture (a C4 extension cable may be required). Then, use the A4 cable to connect the input port of the second light to the output port of the first. Repeat this process to connect the remaining lights in sequence.

Note: Ensure the total number of lights connected to the same channel does not exceed the maximum recommended by the controller.



4.6 CONNECT THE LED FIXTURE(S) TO THE MAINS

- Choose an appropriate power cord for the mains based on the voltage, current and the number of the lights.
- Ensure the input power is off before connecting.
- Connect the Input Power Cord (D) to the light.
- Plug the Input Power Cord into the AC outlet of the Mains according to the local rules, safety regulations and electrical codes.
- Ensure the power cords is not coild or touching any hot surfaces.
- Ensure the inrush current of the light is in the tolerance of the externel switch. DO NOT use household timers on this light.
- When the connection is finished, turn on the mains power and check each light.

5. OTHER INFORMATION

5.1 MAINTENANCE

- Turn off the power and allow the light to cool down before you clean the device.
- Check the LED light regularly for dust or dirt buildup. Clean with a damp soft cloth if needed. Contamination may cause overheating and decreasing of the performance.
- DO NOT use any chemical detergents to clean.
- DO NOT spray the water on the light fixture or use water mist to clean.
- Be careful not to touch the LED diodes when cleaning.

5.2 STORAGE AND DISPOSAL

- Store this product in a dry and clean environment with an ambient temperature of -4~185°F / -20~85°C.
- DO NOT dispose this product as a standard waste. It is to be collected or brought to a recycling center for proper disposal and environmental treatment.

6. WARRANTY

The company warrants the mechanical and electronic components of this product and guarantees the materials and workmanship free of defects if used under normal operating conditions, for a period of five (5) years from the original date of the purchase.

If you find that there are any defects with this product that relate to either the workmanship or the materials but are not due to improper use or user error, the company shall, at its discretion, either replace or repair the product using the appropriate new or reconditioned parts. In the case that the company decides to replace the entire product , the date of the limited warranty shall apply to the replacement from the date of the purchase of the initial product for five (5) years.