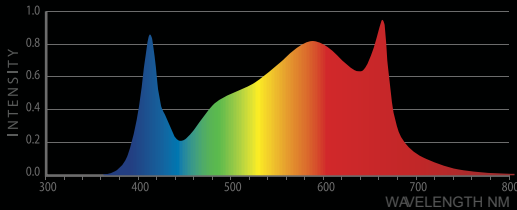




OEM



USER MANUAL

OEM Full Spectrum
100W, 200W & 450W



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Please read this manual thoroughly prior to installing or operating the OEM

- Observe all safety precautions (see page 8), 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.



OEM

LED Lighting Solution

VOLTAGE: 100-277V

3

WATTS: 100W

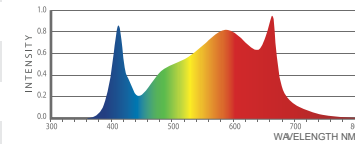
WATTS: 200W

WATTS: 450W

TECHNICAL SPECS

Rated Voltage	100-277V 200-480V
PPF (μmol/s)	250 500 1035
Efficacy (μmol/J)	2.5 2.3 2.3
Min Power Factor	0.9
THD	< 20%
BTU	342 684 1,539
Dimmable	0-10V Controllable
Ambient Temperature	0 - 35°C / 32 - 95°F
Emitter Cooling	Passive / Extruded Case
Light Distribution	120°
LED Lifespan (90% of Life)	50,000+ hours

OEM LED SPECTRUM



100W



200W



450W

VOLTAGE AND AMPERAGE

	100W	200W	450W
120V	0.8A	1.6A	3.7A
208V	0.4A	0.9A	2.1A
240V	0.4A	0.8A	1.8A
277V	0.3A	0.7A	1.6A

PHYSICAL SPECIFICATIONS

	100W		200W		450W	
Length	300 mm	11.8"	600mm	23.6"	600 mm	23.6"
Width	240 mm	9.4"	240 mm	9.4"	480 mm	18.8"
Height	55 mm	2.1"	55 mm	4.72"	55 mm	4.72"
Weight	2.26kg	3.71lbs	2.26kg	8.17lbs	7.8kg	17.2lbs

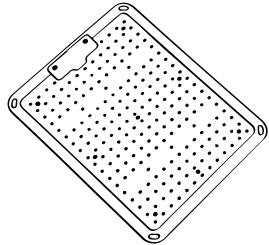


HARDWARE AND ACCESSORIES

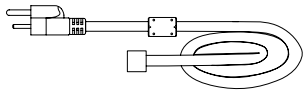
The OEM can be hung from Adjustable Rope Hanger.

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

IN THE BOX



1 OEM Fixture



1 Power Cable

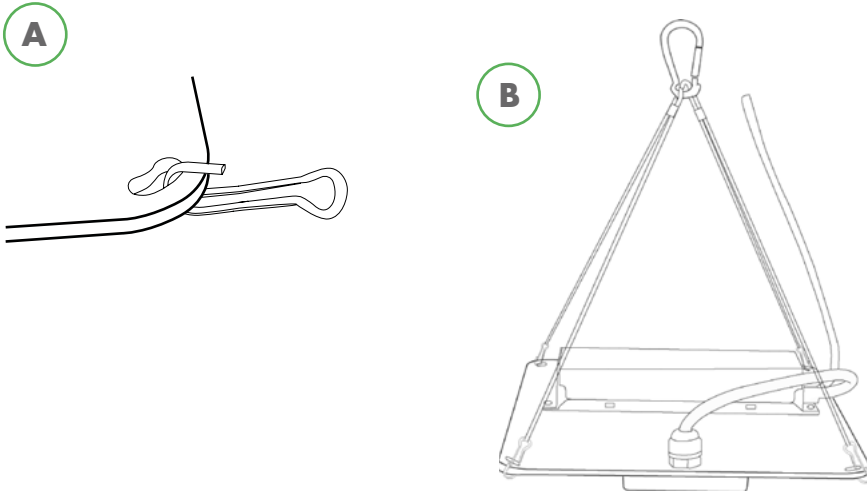


Adjustable Rope Hanger

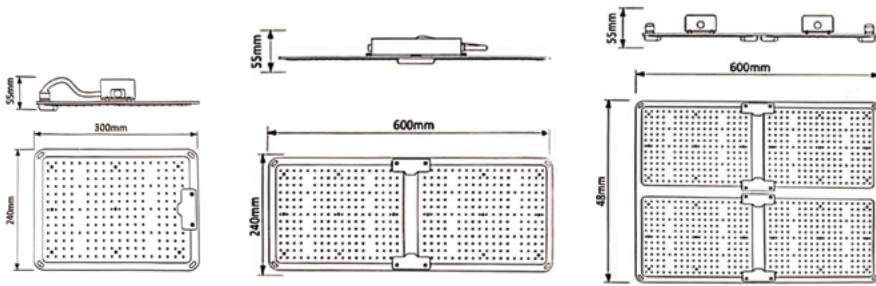
HANGING INSTALLATION

A

Attach the 4 clips on the wire hangers onto corresponding 4 hole on the edge of the panel.


B

Clip the carabiner onto adjustable rope hanger. Hang up the light onto the grow tent and then adjust an appropriate height.



PRODUCT FEATURES

LED DRIVER:

Selecting driver, and universal single-phase power supply (100-277VAC) is adopted to meet the needs of different regions to the greatest extent, and ensure that the fluctuation of the power network will not affect the life of LED fixture.

LED CHIPS:

Selecting imported SAMSUNG/OSRAM LED chips, the light efficiency is up to 210lm/W, providing abundant photons for plants, and the lifetime of 54,000H is worry-free.

APPLICATION ENVIRONMENT:

Can be used in warehouse, grow tent and other dry or wet planting environment.

HEAT DISSIPATION PERFORMANCE:

Selecting 4.0 highly purified aluminum plate + 2.0 high thermal conductivity substrate. Large heat dissipation area to effectively ensure rapid heat dissipation, through strict test configuration, to provide cost-effective heat dissipation scheme and meet customer planting needs.

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 70% max load for breakers due to Inrush current in LED fixtures.
8. Do NOT use sulfur vaporizers.

3YEAR WARRANTY **GUARANTEE**

At ILUMINAR, we stand behind our products and our technology as well as our customers. All ILUMINAR LED fixtures are backed by our 3-Year Guarantee. Please visit our website iluminarlighting.com/warranty for more information.