ILUMINAR

HYPERMOL PRO

USER MANUAL

HYPERMOL Mutli-Spectrum 1450W

IL-HMOL-1450-PRO

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Please read this manual thoroughly prior to installing or operating the ILUMINAR HYPERMOL

- Observe all safety precautions (see page 10), 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.

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HYPERMOL PRO

MODEL	VOLTAGE	WATTS	SKU
IL-HMOLP-1450	100-277V	1450W	IL-HMOL-1450-PRO

TECHNICAL SPECS

Rated Voltage	120-277V AC
PPF	3952 μmol/s
Efficacy	2.75 μmol/J
Min Power Factor	>90%
THD	10.2%
BTU	4,947
Dimmable	0-10V Controllable
Ambient Temperature	0 - 40°C / 32 - 104°F
Minimum Mounting Height	6″ to top of Canopy
Emitter Cooling	Passive / Extruded Case
Light Distribution	120°
LED Lifespan (90% of Life)	50,000+ hours

PHYSICAL SPECIFICATIONS

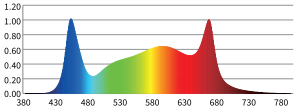
Length	1065 mm	41.9″
Width	1097 mm	43.2″
Height	58 mm	2.3″
Weight	24kg	53 lbs

VOLTAGE AND AMPERAGE

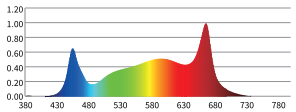
120V	12.08A
208V	6.97A
220V	6.59A
240V	6.04A
277V	5.23A

1450W LED SPECTRUM

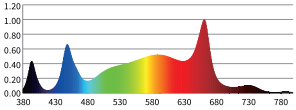
Grow Spectrum



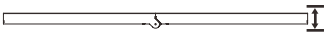
Bloom Spectrum



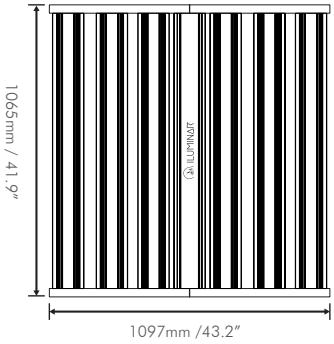
Full Spectrum+UV+FR



MOUNTING & COVERAGE



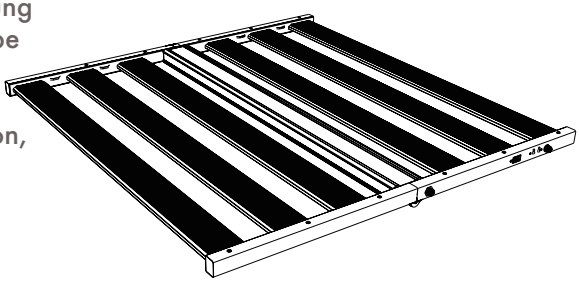
58mm / 2.3″



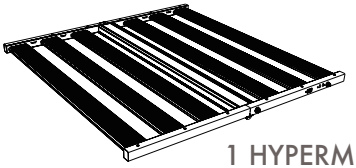
HARDWARE AND ACCESSORIES

The HYPERMOL can be hung from rope ratchets or can be mounted to a rack.

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

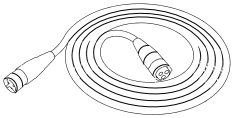


IN THE BOX

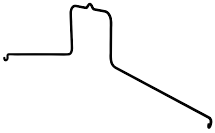


1 HYPERMOL Fixture

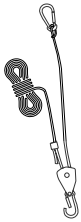
1 Controller Cable



1 Cable



2 Hanger



4 Rope Ratchets

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BEFORE YOU BUY AN LED
CHECK YOUR REBATE

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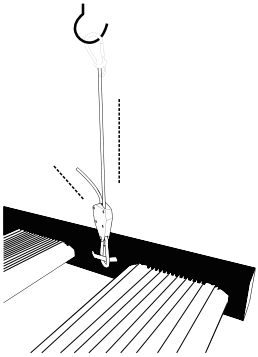
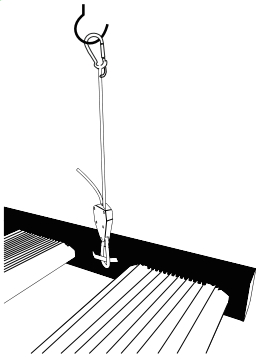
HANGING INSTALLATION

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

A



B



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.

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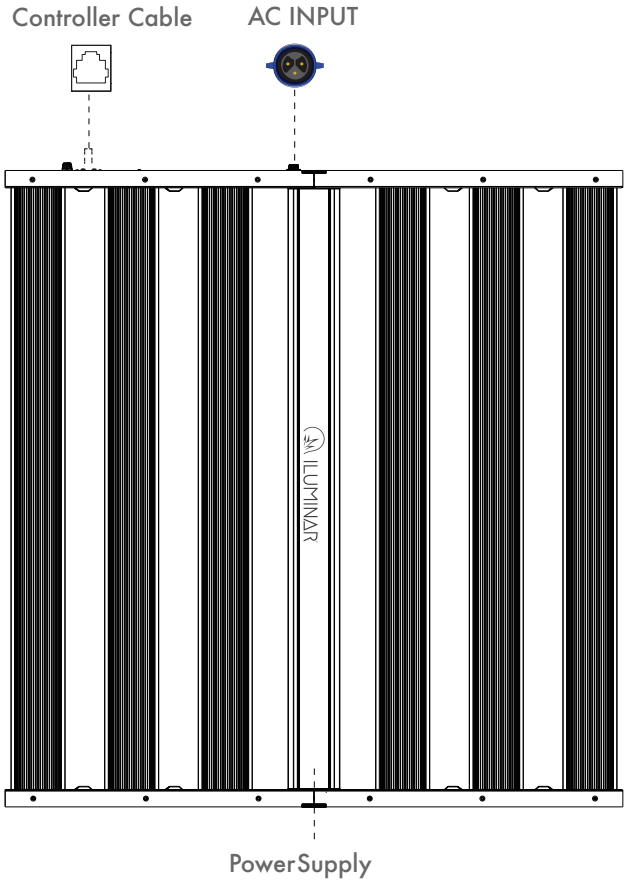
3 Once fixture is hanging with all LED bars installed, connect the power cable (blue tip) from the outlet to one side of the fixture.



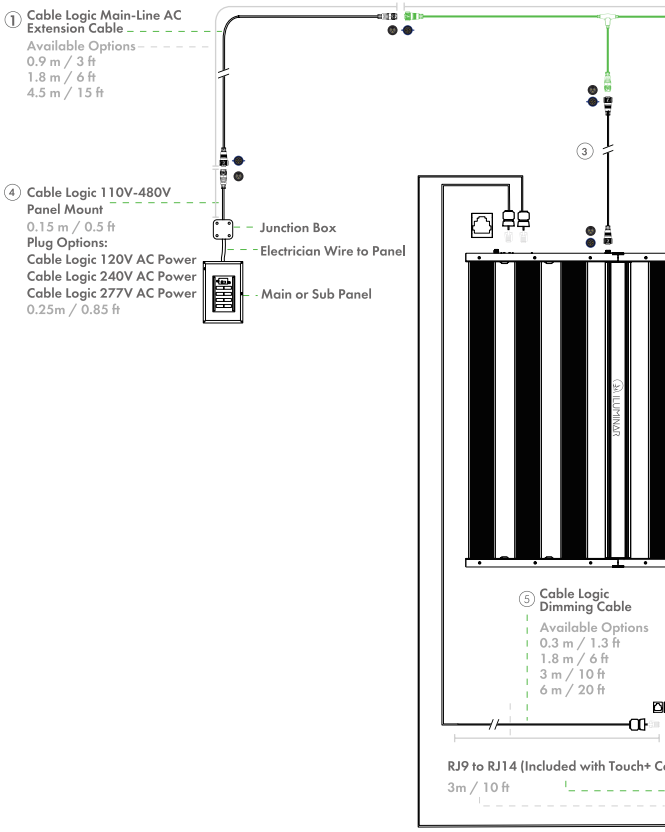
CAUTION when handling your ILUMINAR Fixture. The LED array should NOT come in contact with sharp objects. DO NOT touch diodes or apply direct force to the diodes as this can/will cause permanent damage.

CABLE LOGIC CONNECTIONS

With our ILUMINAR Lighting Professional Systems, our new LED lighting fixtures allow growers to connect multiple fixtures using a single power cable.

This cabling solution forms a fixture-to-fixture connection to the power source. Our grow light cables and grow light accessories eliminate the need for the typical mess of LED lighting cables, which have various fixtures with multiple cables running to several power sockets.

Please consult with our lighting layout designers to ensure proper spacing of outlets for your unique setup.



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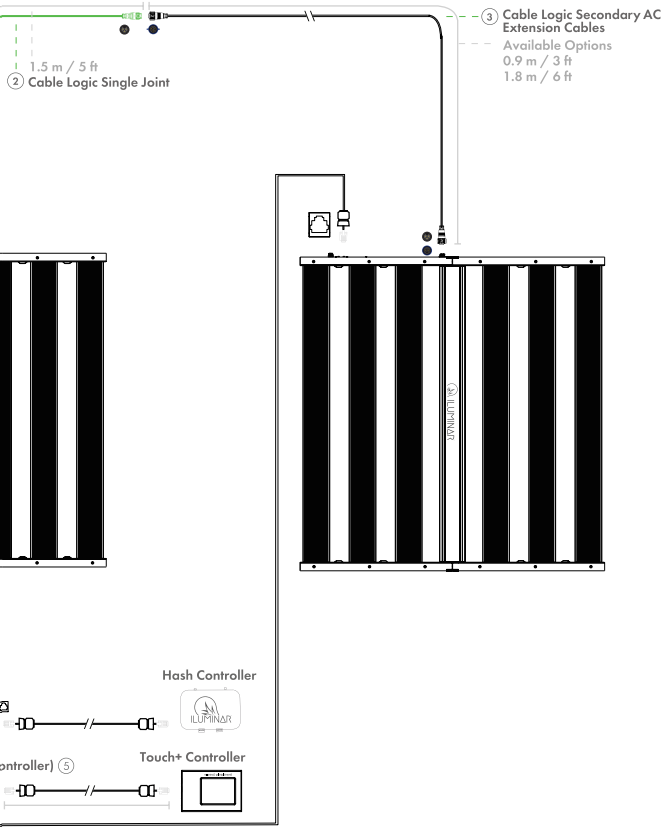
	NAME	VOLTAGE	SKU	LENGTH	DIAGRAM
①	Cable Logic Main-Line AC Extension Cable 0.9m / 3ft 16A	120V-480V	IL-TML3	0.9m / 3ft	
	Cable Logic Main-Line AC Extension Cable 1.8m / 6ft 16A	120V-480V	IL-TML6	1.8m / 6ft	
	Cable Logic Main-Line AC Extension Cable 4.5m / 15ft 16A	120V-480V	IL-TML15	4.5m / 15ft	
②	Cable Logic Single Joint / Junction Main-Line AC Connector	120V-480V	IL-SJC	1.5m / 5ft	x2
	Cable Logic Multi Joint / Junction Main-Line AC Connector	120V-480V	IL-MJC	4.5m / 15ft	x4
③	Cable Logic Secondary AC Extension Cables 0.9m / 3ft 10A	120V-480V	IL-TS3	0.9m / 3ft	
	Cable Logic Secondary AC Extension Cables 1.8m / 6ft 10A	120V-480V	IL-TS6	1.8m / 6ft	5-15P
④	Cable Logic 120V AC Power	120V	IL-T120	0.25m/10"	6-15P
	Cable Logic 240V AC Power	240V	IL-T240	0.25m/10"	L7-15P
	Cable Logic 277V AC Power	277V	IL-T277	0.25m/10"	L24-20P
	Cable Logic 347V AC Power	347V	IL-T347	0.25m/10"	
	Cable Logic Panel Mount 20A - 480 VAC	480V	IL-PNLM	0.15m / 6"	
⑤	Cable Logic Dimming Cable 0.3m / 1.3ft	0-10V	IL-D1	0.3m / 1.3ft	
	Cable Logic Dimming Cable 0.9m / 3ft	0-10V	IL-D3	0.9m / 3ft	
	Cable Logic Dimming Cable 1.8m / 6ft	0-10V	IL-D6	1.8m / 6ft	
	Cable Logic Dimming Cable 3m / 10ft	0-10V	IL-D10	3m / 10ft	
	Cable Logic Dimming Cable 6m / 20ft	0-10V	IL-D20	6m / 20ft	



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.

5 YEAR 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 5-Year Guarantee. Please visit our website iluminarlighting.com/warranty for more information.

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