ILUMINAR

iLogic9
UV + FAR-RED

USER
MANUAL

iLogic9 UV+Far Red
1000W

ETL LISTED c us
Intertek

CE IP66 FC

CONTENTS

Please read this manual thoroughly prior to installing or operating the ILUMINAR iLOGIC9 UV+Far Red

- 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.
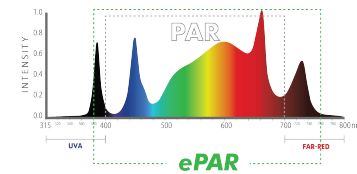   3. The fixture has been dropped, or the exterior is damaged.

MODEL: iLogic9 UV + Far-Red

VOLTAGE: 100-277V

WATTS: 1000W **SKU:** IL-iLOGIC9-UVIR

LED Lighting Solution

TECHNICAL SPECS

Rated Voltage	120-277V AC
Voltage Range (+/-10%)	100-277V
ePAR	2855 μmol/s
ePAR Efficacy	2.85 μmol/J
Min Power Factor	0.95
THD	< 20%
Crest Factor	1.5
BTU	1900
Frequency	50 / 60Hz
Dimmable	0-10V Controllable
Ambient Temperature	0 - 35°C / 32-95°F
Relative Humidity	85%
Color Temperature	3300k
Color Rendering Index	90
Minimum Mounting Height	8-12" to top of Canopy
Emitter Cooling	Passive / Extruded Case
Light Distribution	120°
Waterproof Rating	IP66 for Damp/Wet Conditions
LED Lifespan (90% of Life)	50,000+ hours

UV + Far-Red LED SPECTRUM

MOUNTING & COVERAGE

PHYSICAL SPECIFICATIONS

Length	1064 mm	41.9"
Width	1002 mm	39.4"
Height	124.3 mm	4.9"
Weight	23.8kg	52.5lbs

VOLTAGE AND AMPERAGE

120V	9.3A	1060W
208V	5.15A	1015W
240V	4.43A	1010W
277V	3.8A	1000W

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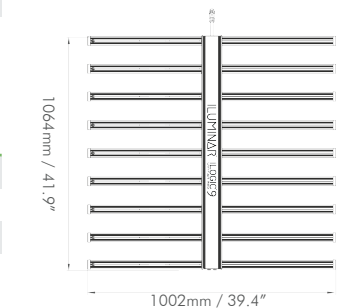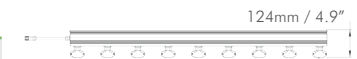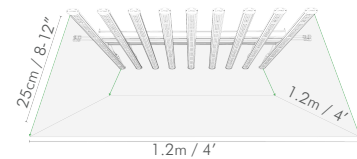
HARDWARE AND ACCESSORIES

CONNECTION INSTRUCTIONS

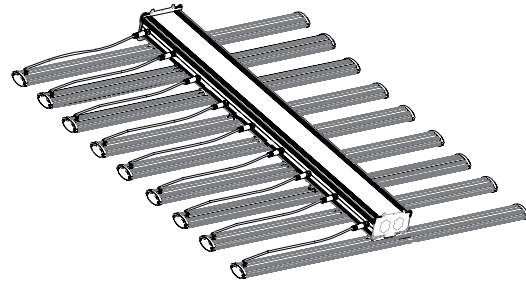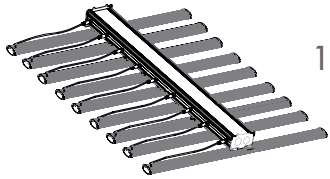The iLogic9 UV + Far-Red can be hung from rope ratchets or can be mounted to a rack.

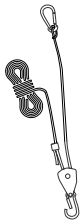Before you begin installation, check that you have all the necessary parts to begin.
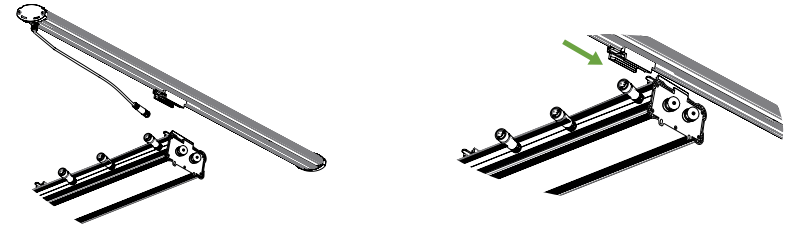
## IN THE BOX

1 iLogic9 UV + Far-Red

4 Rope Ratchets

1 Lay the central mast on a flat table top or surface with the attachment brackets facing UP. Attach each LED Bar by aligning the plastic clips and carefully sliding them into place until you hear a soft click.

2 Once the plastic clips are all snapped in place, attach the A/C cables coming from the mast to each LED bar by aligning the connector pins and pressing the ends together. Lock by twisting in opposite directions.
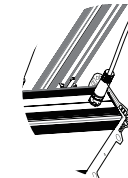
3 Once all the LED bars are fastened into place and A/C cables are attached to the mast, turn the fixture over (this may require more than one person). Ensure the flat surface is clear of anything that could damage the delicate diodes.

⚠️ **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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HANGING INSTALLATION

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

A

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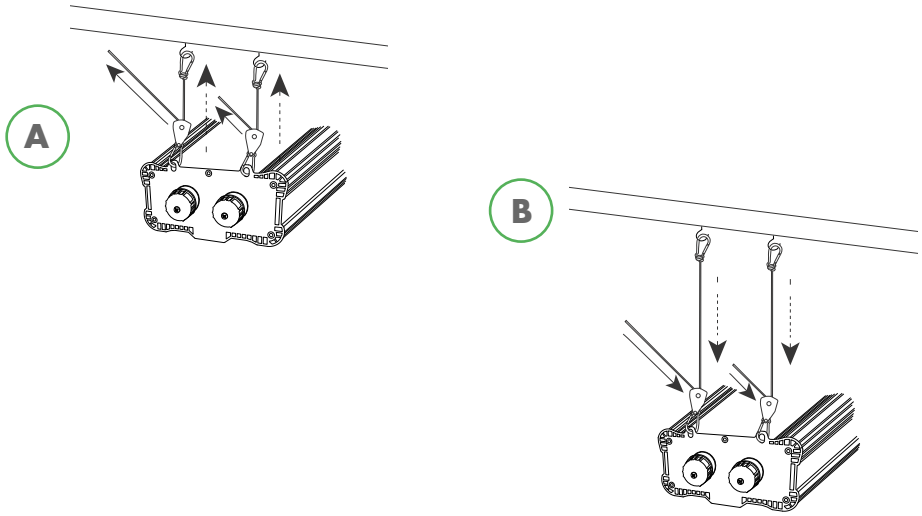
2 Lift the LED and attach the carabiners to pre-installed hooks from ceiling or mounting beam. The Ratchets should be installed closest to the LED (and not the ceiling).

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

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.

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AC INPUT .... Power Supply

Controller
Cable

Led Bar´s

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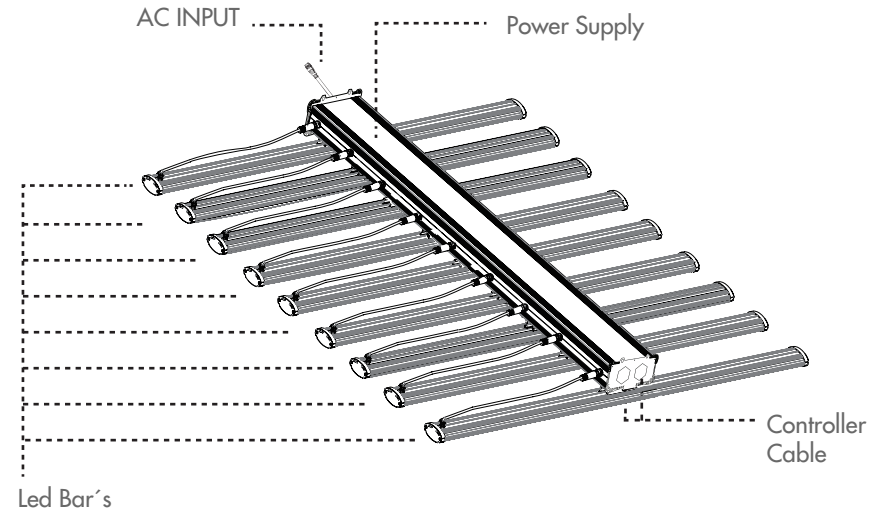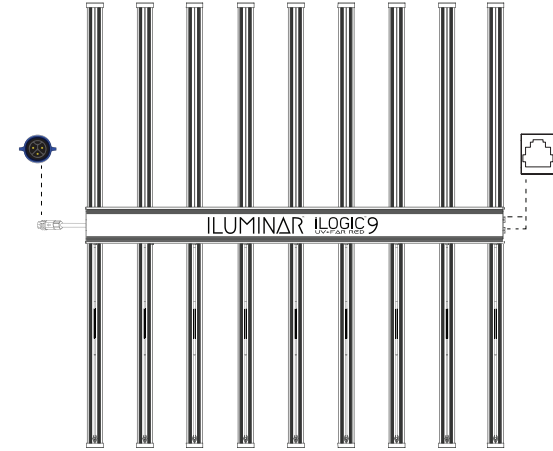
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CABLE LOGIC CONNECTIONS

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.
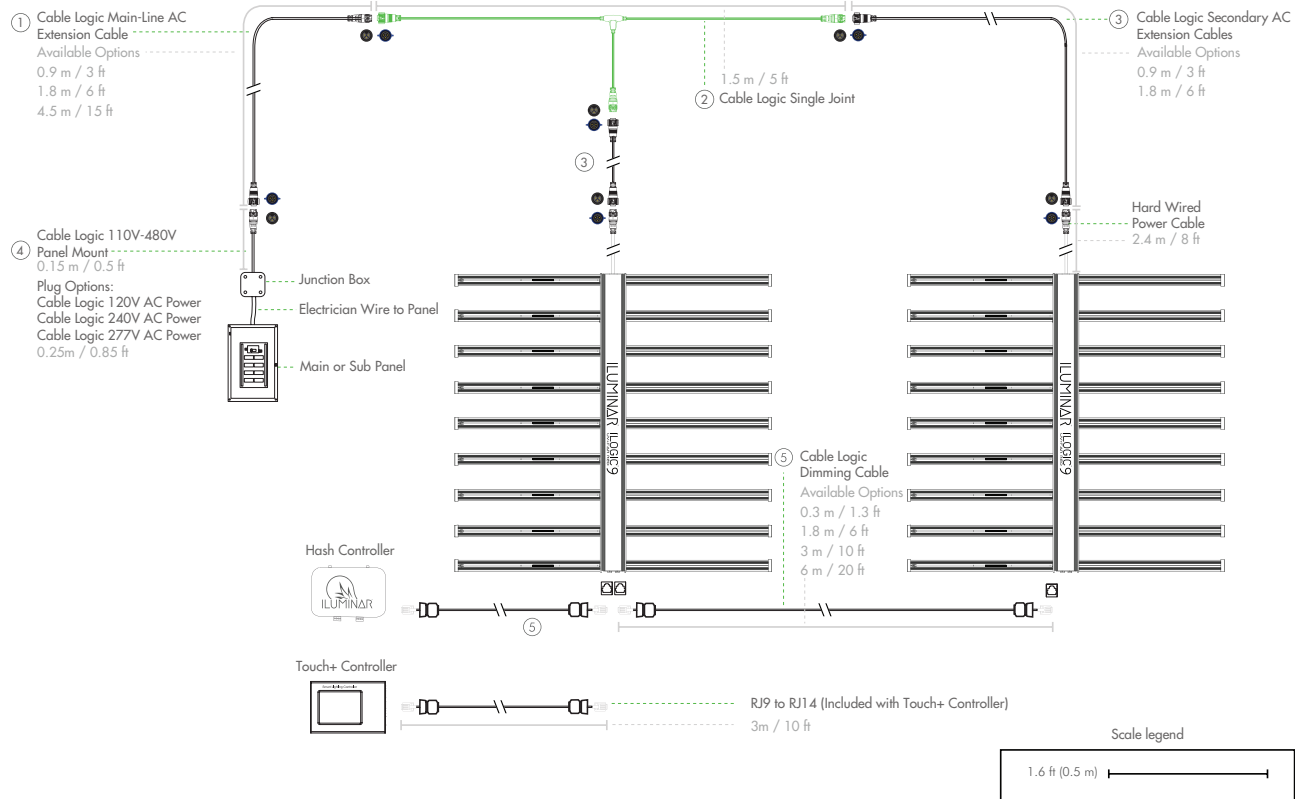
	NAME	VOLTAGE	SKU	LENGTH	DIAGRAM
①	Cable Logic Main-Line AC Extension Cable 0.9m / 3ft 16A	120V-480V	IL-TML3	0.9m / 3ft	
	Cable Logic Main-Line AC Extension Cable 1.8m / 6ft 16A	120V-480V	IL-TML6	1.8m / 6ft	
	Cable Logic Main-Line AC Extension Cable 4.5m / 15ft 16A	120V-480V	IL-TML15	4.5m / 15ft	
②	Cable 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	

① Cable Logic Main-Line AC Extension Cable
Available Options
0.9 m / 3 ft
1.8 m / 6 ft
4.5 m / 15 ft

③ Cable Logic Secondary AC Extension Cables
Available Options
0.9 m / 3 ft
1.8 m / 6 ft

1.5 m / 5 ft
② Cable Logic Single Joint

④ Cable Logic 110V-480V Panel Mount
0.15 m / 0.5 ft
Plug Options:
Cable Logic 120V AC Power
Cable Logic 240V AC Power
Cable Logic 277V AC Power
0.25m / 0.85 ft

Junction Box
Electrician Wire to Panel
Main or Sub Panel

Hard Wired Power Cable
2.4 m / 8 ft

⑤ Cable Logic Dimming Cable
Available Options
0.3 m / 1.3 ft
1.8 m / 6 ft
3 m / 10 ft
6 m / 20 ft

Hash Controller

Touch+ Controller
RJ9 to RJ14 (Included with Touch+ Controller)
3m / 10 ft

Scale legend
1.6 ft (0.5 m)

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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.