ILUMINAR™

iLW
LED Lighting Solutions

USER MANUAL

iLW 40W IL-4025FSG-120
iLW 60W IL-6025FSG-120
iLW 80W IL-8025FSG-120

IP65 ETL LISTED c US Intertek FC CE

CONTENTS

Please read this manual thoroughly prior to installing or operating.

- *Observe all safety precautions (see page 8). Seek the services of a qualified/certified/ licensed/insured electrician, 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.*

- *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 power supply cord or plug is damaged.*
    3. *The fixture has been dropped, or the exterior is damaged.*

VOLTAGE / AMPERAGE DRAW

	40W		60W		80W	
120V	0.35A	40.6W	0.51A	59.7W	0.67A	79.7W
208V	0.21A	41.2W	0.33A	60.6W	0.39A	81.2W
240V	0.18A	41.5W	0.30A	61.3W	0.34A	81.5W
277V	0.16A	41.9W	0.27A	62.0W	0.30A	82.0W

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PHYSICAL SPECS

	40W	60W	80W
Height	29mm / 1.14″	29mm / 1.14″	29mm / 1.14
Width	130mm / 5″	130mm / 5″	130mm / 5″
Length	1200mm / 47.2″	1200mm / 47.2″	1500mm / 59″
Weight	2.2lbs/1kg	2.2lbs/1kg	2.75lbs/1.13kg

TECHNICAL SPECS

PPF	100 μmol/s	150 μmol/s	200 μmol/s
Input Power	40W	60W	80W
Spectrum Tuned	Full Spectrum Growth / Customized Spectrum		
Finishing Mounting Height	>18″ to top of Canopy		
Emitter Cooling	Passive Thermal Management		
Efficacy	2.5 μmol/J		
Input Voltage	Smart Sensing™ 100V-277V		
Emitter Type	Multiple Spectrum LED Diodes		
Waterproof Rating	IP65 for Damp/Wet Conditions		
LED Lifespan (90% of Life)	55,000+ Operational Hours		
Power Factor	> 90%		

iLW 80W   1500mm / 59″

iLW 40W & 60W   1200mm / 47.2″

130mm / 5″

29mm / 1.14″

iLW LED FULL SPECTRUM ILUMINAR

WAVELENGTH NM
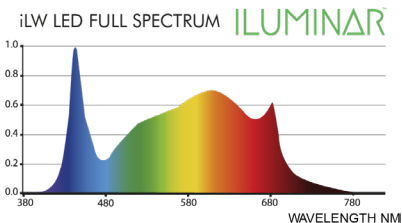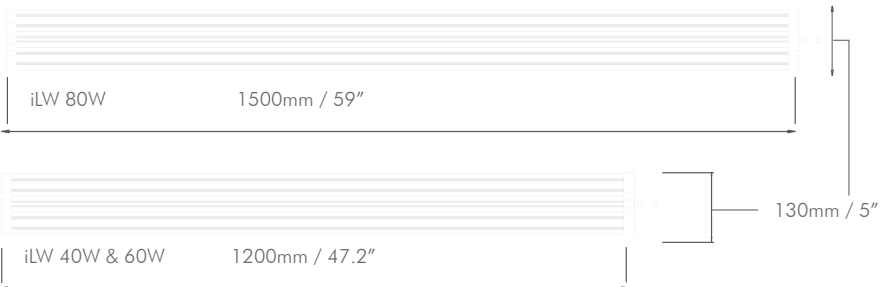
Low Profile

Energy Saving

High Efficiency

IP65

cETLus LISTED
Intertek

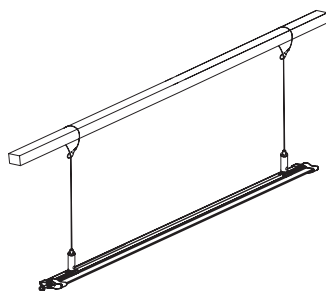FC   CE

1-877-540-5588
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HARDWARE AND ACCESSORIES

The iLW LED fixture can be hung from steel cables or can be mounted to a rack.
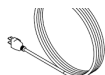
Before you begin installation, check that you have all the necessary parts to begin.

IN THE BOX

 1 iLW Fixture

 1 Power Cable

 2 Metal Clips for Hanging Cables

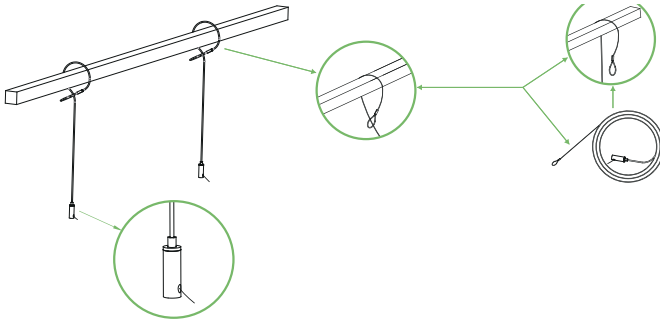 *2 Screws for Clips & Hanging Cables*

 2 Steel Hanging Cables with Cylindrical Lock
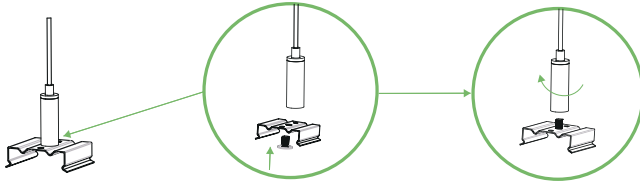
 4 Screws & 4 Anchors

1 Loop the steel cables over the beam, feeding the wire through its loop and letting the cylindrical lock hang.

2 Using the provided screw, attach the clip to the steel cable's cylindrical lock.

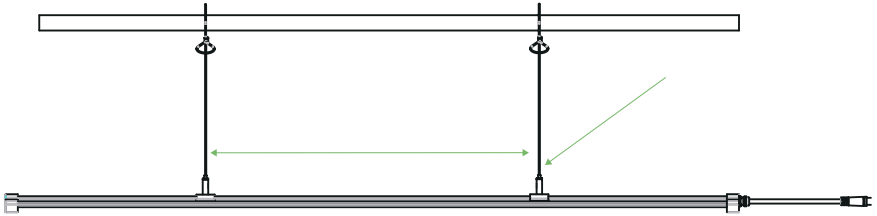

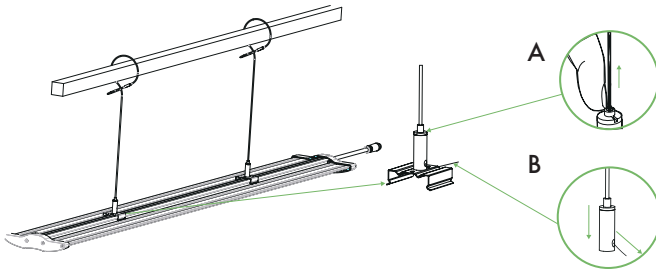**3** Snap the clips onto the light bar's heat sink.

**4** Adjust the spacing of the clips as needed.

5 Pull the steel cable down through the cylindrical lock to adjust the fixture height.

A

B

To shorten cable: Press the cable down through the cylindrical lock. (Figure A)
To extend cable: Press metal top down and pull up on cable. (Figure B)

ADDITIONAL ACCESSORIES

If you use more than one iLW in your grow room or clone rack, save space by adding in the iLW Power Hub. The hub comes as a dual-, tri- or quad-connector that will send power to each of your iLW fixtures without the need of additional outlets.
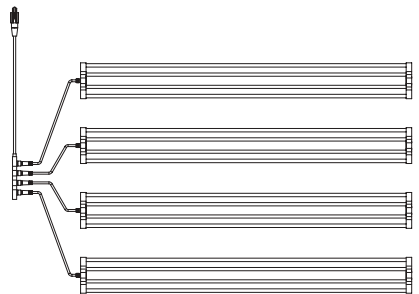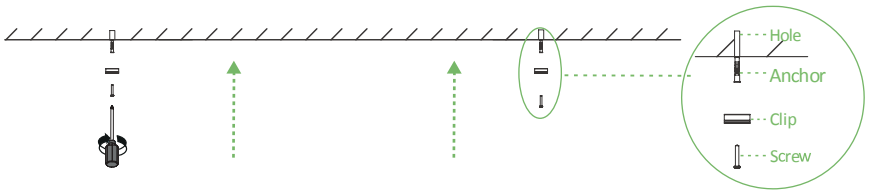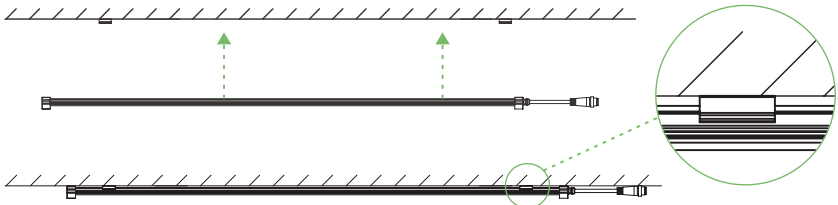
MOUNTING INSTRUCTIONS

1 Drill 4 holes into an overhead structure or rack. Insert the provided mounting anchors into the holes and screw the metal clips directly into the anchors.

Hole
Anchor
Clip
Screw

2 Snap the bar into the clips.

PRECAUTIONS

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 eyewear 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, and deposits to ensure the maximum potential of the fixture.

5. NEVER use a cloth to clean the diodes. This can 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.

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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