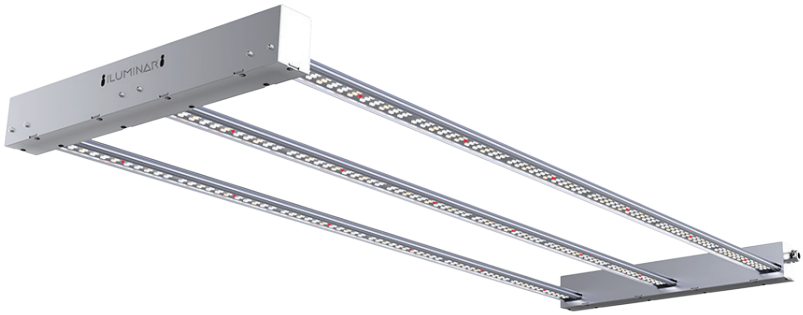




**iLi3**  
LED Lighting Solutions



# USER MANUAL

**iLi3 MODEL 240W**



**IL-i326FSG-120**

1-877-540-5588  
iluminarlighting.com  
sales@iluminarlighting.com



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## Please read this manual thoroughly prior to installing or operating the ILUMINAR iLi3.

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



# iLi3

LED Lighting Solution

### TECHNICAL SPECIFICATIONS

PPF	624 $\mu\text{mol/s}$
Efficacy	2.6 $\mu\text{mol/j}$
Min Power Factor	0.9
THD	15%
Crest Factor	0.99
BTU	816
Rated Voltage	120-277V AC
Voltage Range (+/-10%)	100-277V
Frequency	50 / 60Hz
Dimmable	0-10V Controllable
Ambient Temperature	0 - 35°C / 32-95°F
Relative Humidity	98%
Plug Type	Power Cord Sold Separately
Color Temperature	4000k
Color Rendering Index	88
Minimum Mounting Height	6"-12" to top of Canopy
Emitter Cooling	Passive / Extruded Case
Light Distribution +/- 5%	120°
Waterproof Rating	IP65 for Damp/Wet Conditions
LED Lifespan (90% of Life)	55,000+ hours

### VOLTAGE AND AMPERAGE DRAW

120V	2.11A	251W
208V	1.2A	2.44W
240V	1.09A	241W
277V	0.9A	240W
347V	0.71A	245W
480V	0.51A	239W

### PHYSICAL SPECIFICATIONS

Length	1193mm	46.97"
Width	458mm	18.04"
Height	50mm	1.97"
Weight	6.6kg	14.6lb



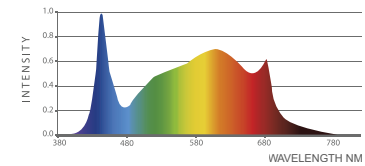
VOLTAGE: 100-277V

MODEL: 2.6 WATTS: 240W

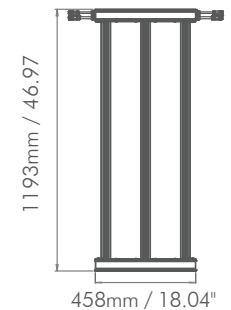
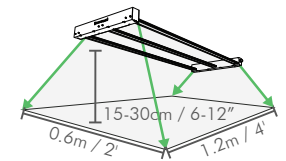
SKU: IL-i326FSG-120



ILI3 240W LED SPECTRUM



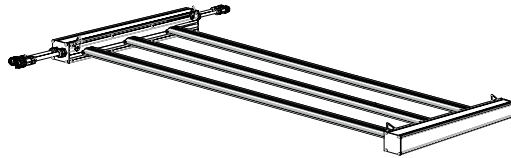
### MOUNTING & COVERAGE



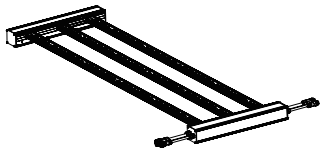
# HARDWARE AND ACCESSORIES

The iLi3 can be hung from rope ratchets or can be mounted to a rack.

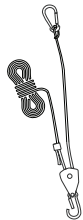
Before you begin installation, check that you have all the necessary parts to begin.



# IN THE BOX



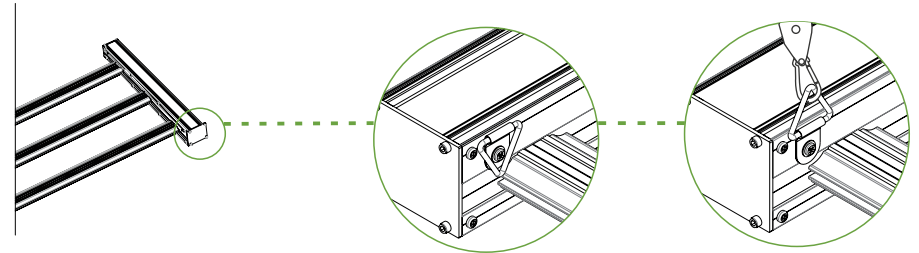
1 iLi3 Fixture



4 Rope Ratchets

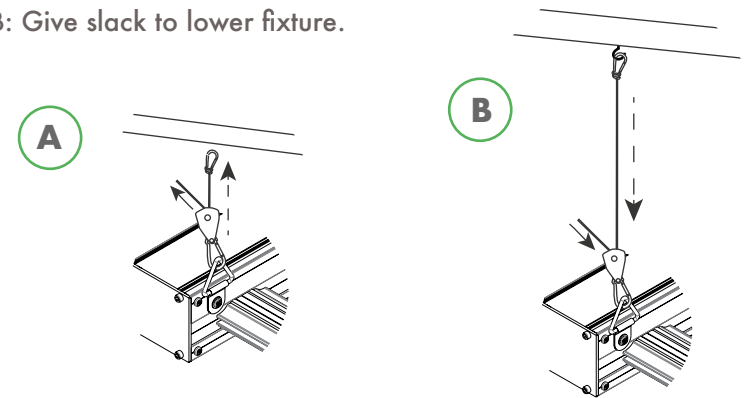
# HANGING INSTALLATION

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



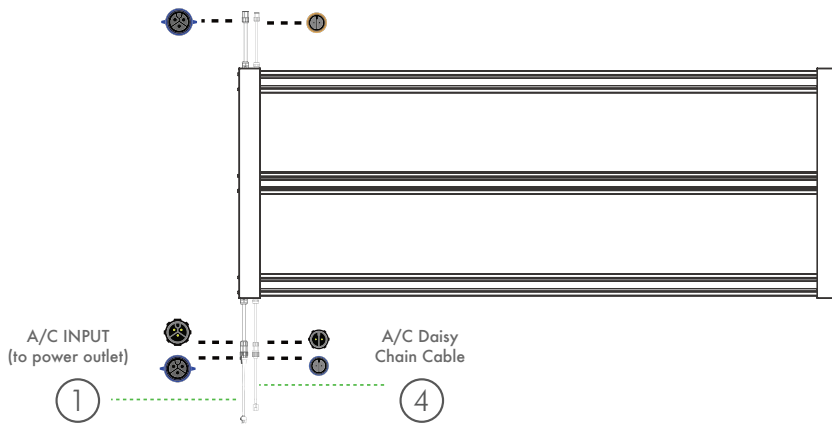
**2** Lift the LED and attach the carabiners to pre-installed hooks from ceiling or mounting beam. The Ratchets should be installed closest to the LED (and not the ceiling).

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



**3** Once fixture is hanging, connect the power cable (blue tip) from the outlet to one side of the fixture.

# WIRING DIAGRAM

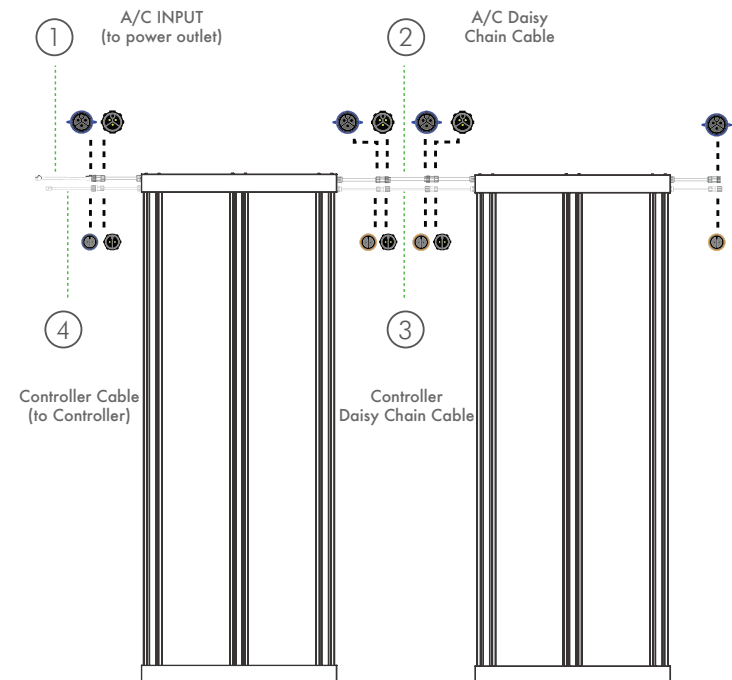


	NAME	VOLTAGE	SKU	LENGTH	DIAGRAM
①	120V Input Power Connection Cord	120V	IL-LED-120AC	1.7m / 68"	5-15P
	240V Input Power Connection Cord	240V	IL-LED-240AC	1.7m / 68"	6-15P
	277V Input Power Connection Cord	277V	IL-LED-277AC	1.7m / 68"	L7-15P
	347V Input Power Connection Cord	347V	IL-LED-347AC	1.7m / 68"	L24-20P
②	Daisy Chain Power Cable 1.8 Meter	120-277V	IL-LED-DC120	1.8m / 70"	
	Daisy Chain Power Cable 3 Meter	120-277V	IL-LEDDC1203M	3m / 118"	
	Daisy Chain Power Cable 1.8 Meter (Hi-Volt)	200-480V	IL-LED-DC480	1.8m / 70"	
	Daisy Chain Power Cable 3 Meter (Hi-Volt)	200-480V	IL-LED-DC4803M	3m / 118"	
③	Cord Set for LEDs Daisy Chain Dimmer	N/A	IL-1Dim18	1.8m / 70"	
	Cord Set for LEDs Daisy Chain Dimmer	N/A	IL-1Dim3	3m / 118"	
④	Cord Set for LEDs (Fixture to Touch controller)	N/A	IL-1DimRJ9	3m / 10'	
	Cord Set for LEDs (Fixture to HASH controller)	N/A	IL-1DimRJ14	3m / 10'	
	Cord Set for LEDs (Original - Fixture to 2 Wire)	N/A	IL-1Dim	0.7m / 2.3'	

# DAISY CHAIN CONNECTIONS

If you plan to utilize several LEDs in your room or facility, one of the many benefits of the ILUMINAR LED is that you can "daisy chain" one fixture to another to save space and use only one outlet to run several lamps, thus minimizing the amount of cords used in your space.

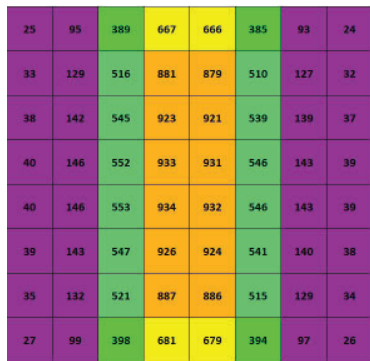
If you plan to utilize the ILUMINAR HASH Controller, connect the connections from the controller to the fixture and then connect the Daisy Chain Controller Cable from fixture to fixture. Please consult with our lighting layout designers to ensure proper spacing of outlets for your unique setup.



Legend

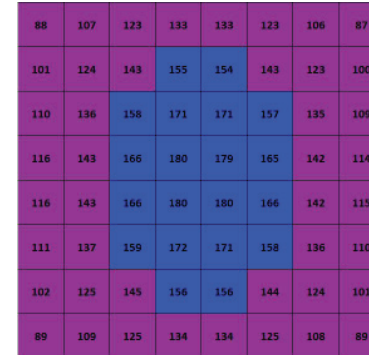


PPFD MAP iLi3 at 0.5ft



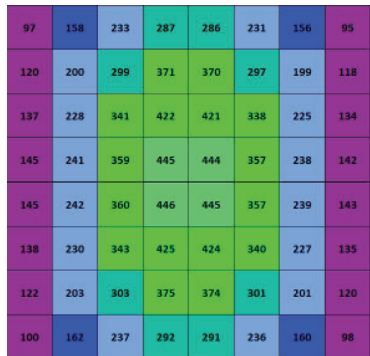
<b>Clearance</b>	0.5	ft
<b>Qty</b>	1	u
<b>Average PPFD</b>	378.69	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	934	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	24	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	265.5	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	6.34	%
<b>Watts</b>	253	W

PPFD MAP iLi3 at 3ft



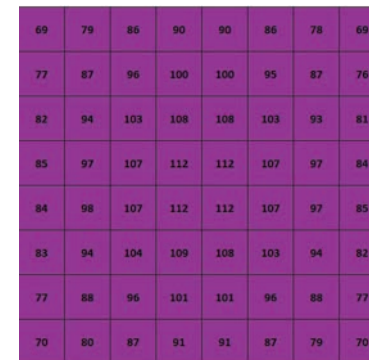
<b>Clearance</b>	3	ft
<b>Qty</b>	1	u
<b>Average PPFD</b>	134.73	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	180	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	87	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	134.5	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	64.57	%
<b>Watts</b>	253	W

PPFD MAP iLi3 at 1ft



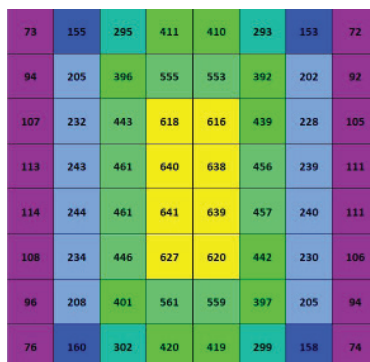
<b>Clearance</b>	1	ft
<b>Qty</b>	1	u
<b>Average PPFD</b>	315.45	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	641	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	72	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	268.5	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	22.82	%
<b>Watts</b>	253	W

PPFD MAP iLi3 at 4ft



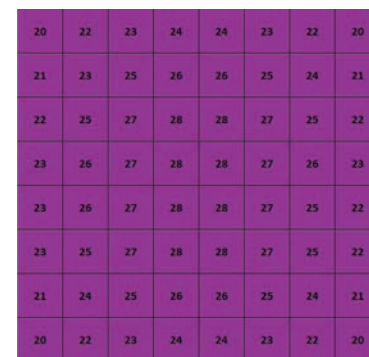
<b>Clearance</b>	4	ft
<b>Qty</b>	1	u
<b>Average PPFD</b>	92.13	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	112	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	69	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	92	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	74.89	%
<b>Watts</b>	253	W

PPFD MAP iLi3 at 1.5ft



<b>Clearance</b>	1.5	ft
<b>Qty</b>	1.5	u
<b>Average PPFD</b>	255.44	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	446	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	95	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	237.5	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	37.19	%
<b>Watts</b>	253	W

PPFD MAP iLi3 at 5ft



<b>Clearance</b>	5	ft
<b>Qty</b>	1	u
<b>Average PPFD</b>	24.41	µmol/m <sup>2</sup> /s
<b>Max PPFD</b>	28	µmol/m <sup>2</sup> /s
<b>Min PPFD</b>	20	µmol/m <sup>2</sup> /s
<b>Median PPFD</b>	24.5	µmol/m <sup>2</sup> /s
<b>Min/Average</b>	81.93	%
<b>Watts</b>	253	W

# CAUTION

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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.

**5** YEAR  
WARRANTY

**GUARANTEE**

At ILUMINAR, we stand behind our products and our technology as well as our customers. All ILUMINAR fixtures are backed by our 5-Year Guarantee. Please visit our website [iluminarlighting.com/warranty](http://iluminarlighting.com/warranty) for more information.