
USER MANUAL

PHOTO BIO®

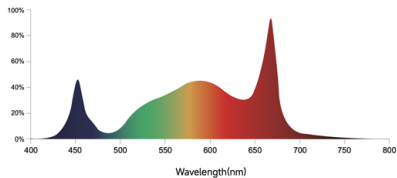
PHOTOBIO•IU 120



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S4 Spectrum



ELECTRICAL SPECIFICATIONS

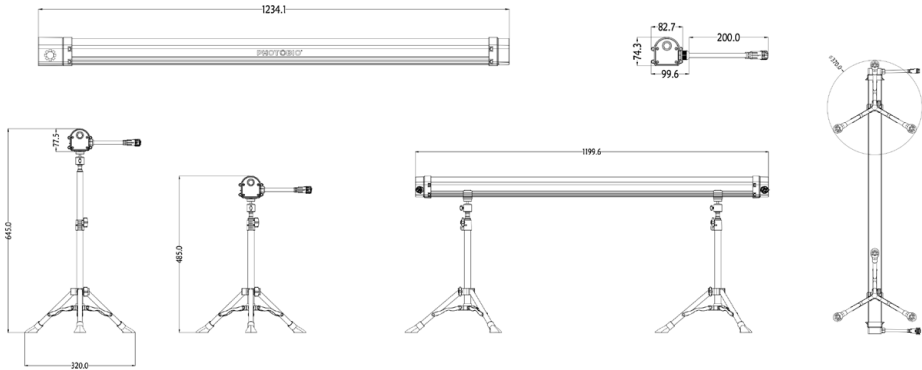
Item Code	PTBU1201	Efficacy (μmol/J)	2.70 @ 120V
Model	PHOTOBIO•IU 120	IP	IP66
Spectrum	S4	Net Weight	5.5 lbs / 2.5 kgs
Application	Under Canopy Light	Voltage	100–277V
Photon Flux (μmol/s)	324	Lifetime to L90	>50,000 hrs
Fixture Power (W)	120W		

Maximum Number of IU120 Per Power Cable:

Product Name	Length	Power	Maxium Fixtures Per Power Cable			
			120 Vac	208 Vac	240 Vac	277 Vac
IU 120	4ft(1.2M)	120watt	9	16	18	15 CHE1083020W CHE1083021W

Warning: Do not exceed the maximum number of products allowed on a single string shown above.

PRODUCT DIMENSIONS



Tripod stands sold separately

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A

Single Box Package Parts List

A: IU120 Fixture *1

B: Eye Bolts *2

C: Steel Clips *2

D: V-wire rope kit *2



B



C



D

POWER CABLE HARNESSES (sold separately)

Sold separately based upon your specific requirements.



Type of Male	Item Code	Description
	CHE1063000W	10' F 16AWG WT w/leads, Harness
	CHE1063010W	10' F 16AWG WT 110-120V Plug, 5-15P, Harness
	CHE1063015W	10' F 16AWG WT 208-240V Plug, 6-15P, Harness
	CHE1083020W	10' F 18AWG WT locking 277V, L7-15P, Harness
	CHE1083021W	10' F 18AWG WT locking 277V, L7-20P, Harness

ACCESSORY PRODUCTS Sold Separately

	Item Code	Description
	PTBU4003	IU 3FT Extension Cord
	PTBU4010	IU 10FT Extension Cord
	PTBU2500	PHOTOBIO iLOC Dimmer
	PTBU5003	IU 3ft Power Cable + 15ft Dim cable, 2ft RJ Convert Cable
	PTBU1802	IU 180° Adjustable Tripod Stands (Pair)

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WARNING – POSSIBLE RISK OF INJURY TO EYES AND SKIN

Hazardous optical UV, HEV, and IR radiation may be emitted from the light source. Always wear personal protective equipment ensuring complete shielding of skin and eyes. Avoid prolonged exposure and looking directly at light source.

WARNINGS

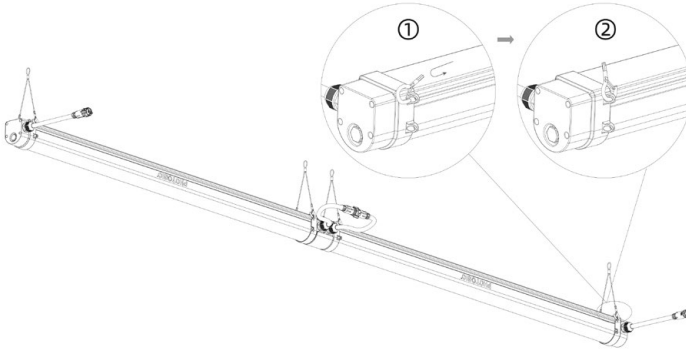
Please read these installation instruction carefully and keep it on hand. Before installing, servicing, or performing routine maintenance, follow these general precautions:

- For the installation: if you are unsure about the installation or maintenance of this fixture, consult a qualified licensed electrician and check your local electrical code.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- Turn off the power and unplug fixture when you perform any maintenance or cleaning activity.
- Verify that supply voltage is correct by comparing it with the information on spec label.
- Avoid hitting, bending or causing mechanical stress to the fixture.
- DO NOT cover or block any part of the fixture during operation.
- To ensure optimal performance, the back of the lighting panels may require periodic cleaning. Clean with compressed air or damp lint free cloth.
- 12" Clearance must be maintained from any combustible surface.
- Always provide a well-ventilated environment where ambient temperatures do not exceed 40°C (104°F) regardless of whether the fixtures are in operation or off. Excessive temperatures can inhibit performance and may cause damage or shorten the life of the fixtures and void the warranty.
- Do not run or store fixtures in the facility unless proper environmental cooling systems are in operation. Facilities that are “shut down” can record excessively high temperatures resulting in premature equipment failure.
- Product surface may be hot during use. Always wait for product to cool down after use. Wear proper protective equipment when handling products.
- Do not exceed the maximum number of LED units allowed in a single power cord. Refer to the product specifications for the maximum allowable quantity.
- Do not expose products to any phase or form of sulfur compound. Evidence of sulfur compound erosion at the electronic components will void the warranty.

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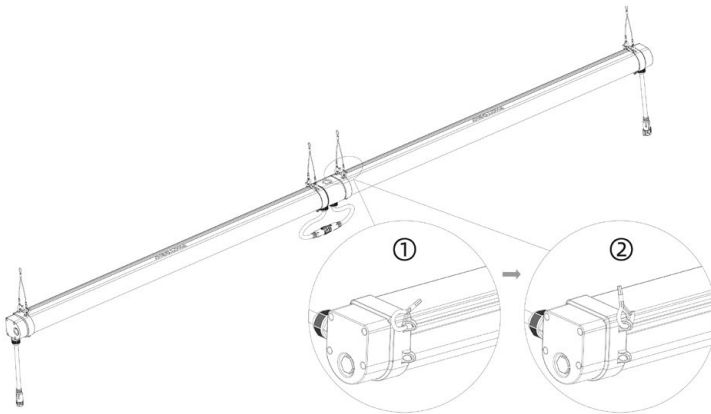
Top Light - Suspended Mounting

Use one pair of V-wire rope kits to suspend each fixture from the ceiling as top-mounted light.



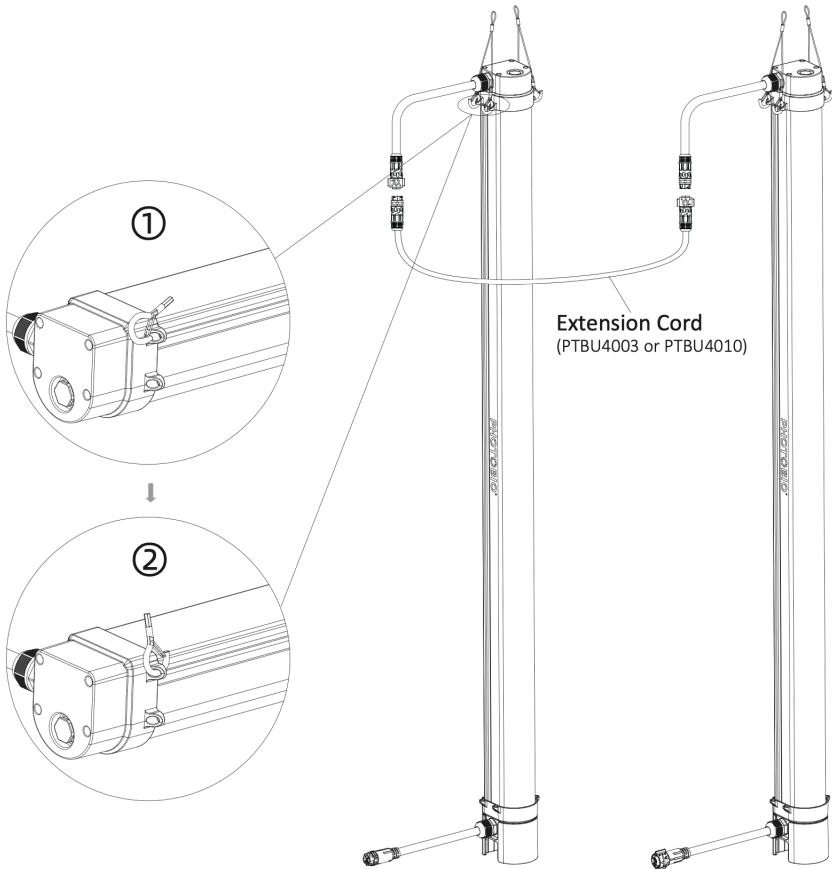
Side Inter-Lighting Mounting

Use one pair of V-wire rope kits to mount the fixture horizontally on the side of the canopy for inter-lighting.



Vertical Inter-Lighting Mounting

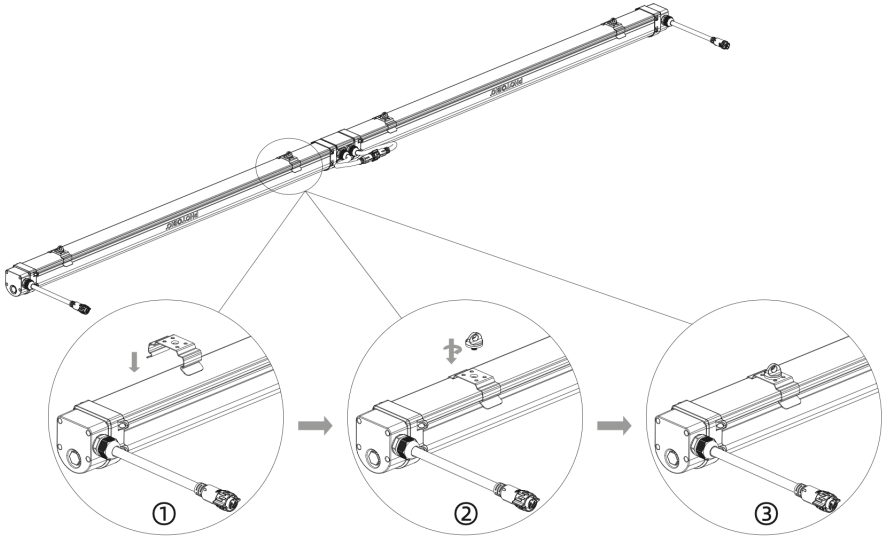
Use one pair of V-wire rope kits to mount the fixture vertically between plant rows for inter-lighting applications.



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Top Light - Suspended Mounting

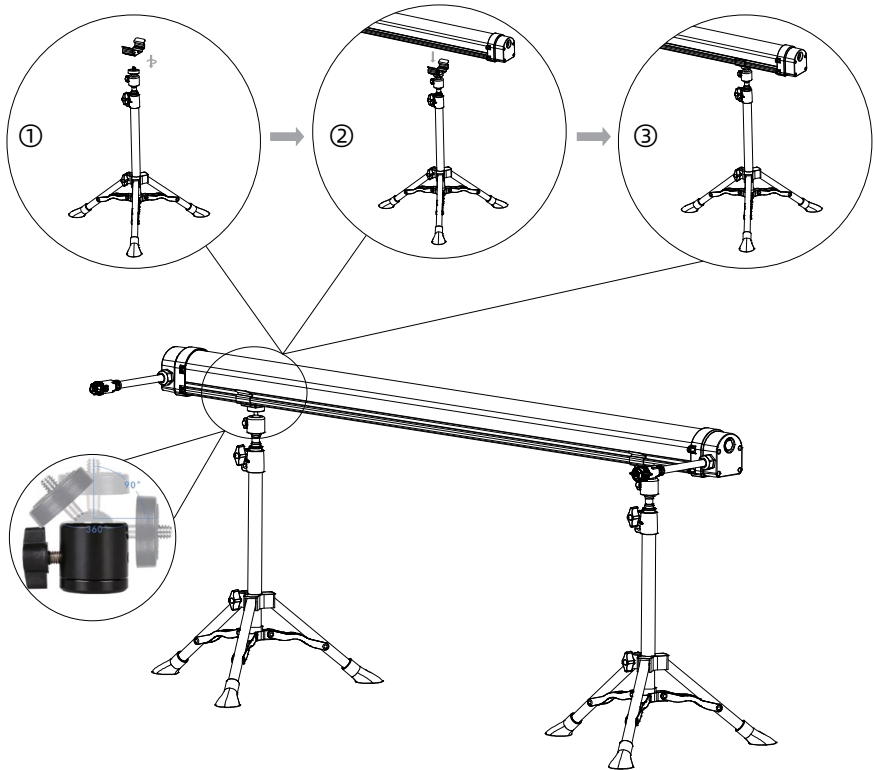
Secure the fixture using the provided steel clips and eye bolts for flush ceiling mounting.



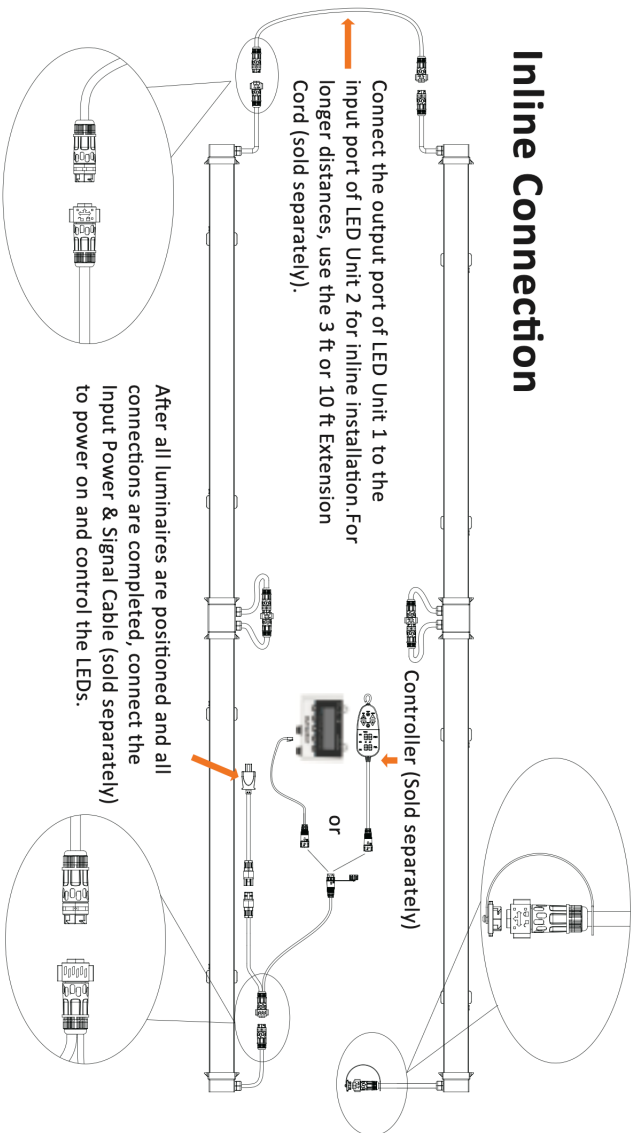
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Under-Canopy Mounting (Tripod Stand)

Install the fixture on the 180° adjustable IU tripod stands (PTBU1802, sold separately) for under-canopy lighting.



Inline Connection



After all luminaires are positioned and all connections are completed, connect the Input Power & Signal Cable (sold separately) to power on and control the LEDs.

CAUTION: Do not exceed the maximum number of LED units allowed in a single power cord. Refer to the product specifications for the maximum allowable quantity.

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LIMITED WARRANTY

Hydrofarm warrants **PHOTOBIO•IU** to be free from defects in materials and workmanship. The warranty term is for 5 years beginning on the date of purchase. Misuse, abuse, or failure to follow instructions is not covered under this warranty. Hydrofarm warranty liability extends only to the replacement cost of the product. Hydrofarm will not be liable for any consequential, indirect, or incidental damages of any kind, including lost revenues, lost profits, or other losses in connection with the product. Some states do not allow limitation on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Hydrofarm will, at our discretion, repair or replace **PHOTOBIO•IU** covered under this warranty if it is returned to the original place of purchase. To request warranty service, please return **PHOTOBIO•IU**, with original sales receipt and original packaging to your place of purchase. The purchase date is based on your original sales receipt.



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