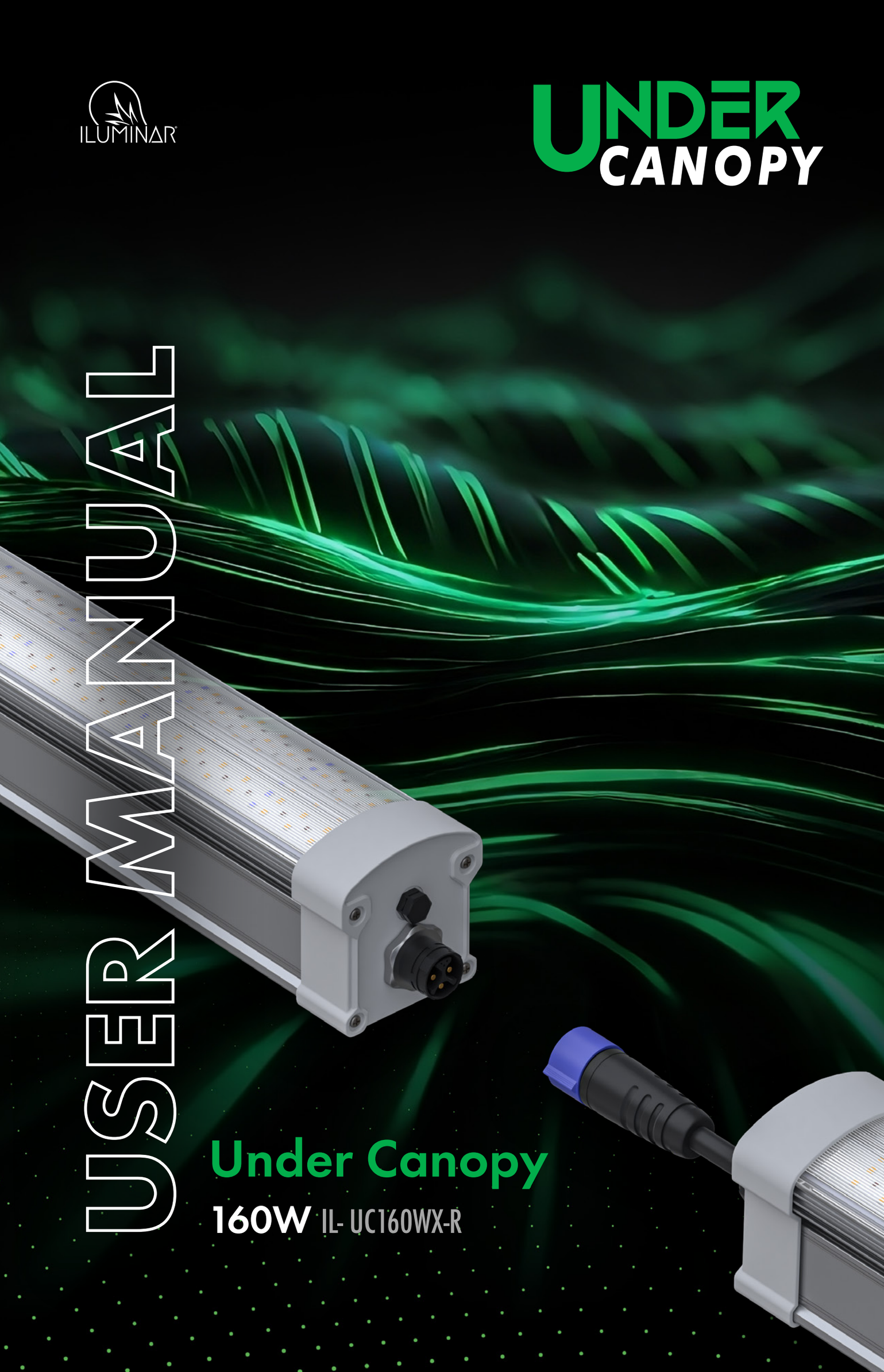
ILUMINAR

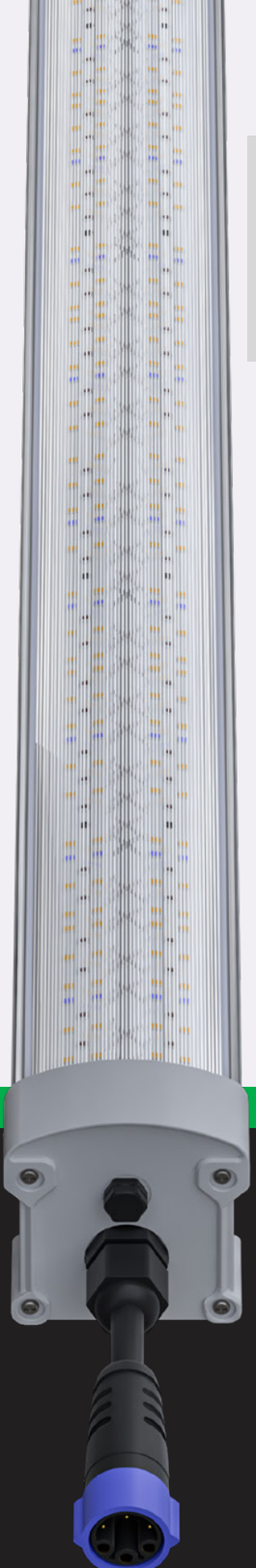
UNDER CANOPY

USER MANUAL



Under Canopy

160W IL- UC160WX-R



Specialized Under Canopy Light for Dense Flowering Canopies

Stop leaving your crop's potential in the shade! Now you can transform the untapped potential beneath your canopy into tangible results with Iluminar's superior subcanopy lighting technology. The Under Canopy Light is our purpose-built, super-efficient under canopy lighting solution, specifically targeting lower leaves and buds to boost plant health, harvestable biomass, and crop quality.

Key Features of the ILUMINAR Under Canopy Light:

Targeted Illumination:

Specifically engineered to enhance lower plant growth, the Under Canopy Light ensures that every leaf receives its share of light, promoting uniform growth, minimizing VPD (Vapor Pressure Deficit) variation, and increasing overall yield.

Energy Efficiency:

The Under Canopy Light has been engineered for maximum energy efficiency, reducing your carbon footprint while optimizing plant health. It precisely delivers light to exactly where it's needed while 0-10V dimming gives growers fine-tuned light intensity control.

Durability Meets Design:

Housed in a robust yet sleek frame, this lighting solution withstands the rigors of daily use, blending seamlessly into your existing setup. Rated IP65 to withstand humidity and water ingress from misters and irrigation.

ILUMINAR®
www.iluminarlighting.com 1-877-540-5588 sales@iluminarlighting.com
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Why Choose?
ILUMINAR's
Under Canopy Light

Higher Yields, Lower Labor Overheads:

Illuminate lower flowers and foliage to boost photosynthesis, improve B-bud quality, and reduce the need for time-consuming under canopy defoliation.

Healthier Plants:

Lower foliage and flowers receive crucial additional light without overheating or stressing your plants, thanks to 0-10V dimming and high-efficiency diodes.

Maximize Efficiency:

Achieve unmatched performance with our energy-efficient design, maximizing efficiency to the fullest.



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ILUMINAR

UNDER CANOPY

MODEL IL-UNDCPY-160 **WATTS** 160W

VOLTAGE 120-277V **SKU** IL- UC160WX-R

TECHNICAL SPECS

Efficacy	3.09 μmol/J
PPF	495 μmol/s
Input Power	160W
Input Voltage	120 - 277V AC
Input Current	0.58 - 1.33A
Frequency	50/60Hz
Thermal Management	Passive
Ambient Temperature	0-40°C / 32-104°F
Light Distribution	120°
Control	0 - 10V Dimming
Light Distribution	50,000 hrs

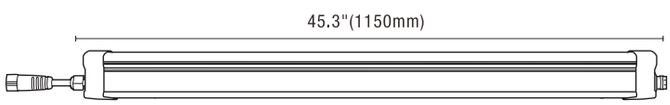
PHYSICAL SPECIFICATIONS

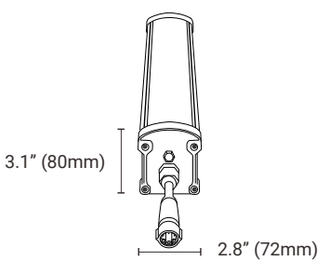
Length	1150 mm	45.3″
Width	72 mm	2.8″
Height	80 mm	3.1″

VOLTAGE & AMPERAGE

120V	208V	220V	277V
1.33A	0.77A	0.73A	0.58A

MOUNTING & COVERAGE





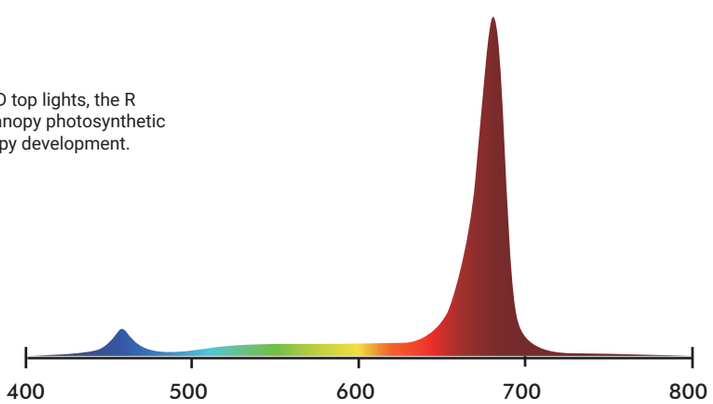
SPECTRUM BALANCING

R SPECTRUM

Engineered for synergy with full-spectrum LED top lights, the R spectrum is rich in red for maximum under canopy photosynthetic efficiency, helping to turbocharge under canopy development.

Photon efficacy: 3.09 μmol/J

PPF: 495 μmol/s





Daisy-Chain@:

120V - Up to 12 Lights | 208V - Up to 20 Lights | 240V - Up to 24 Lights

277V - Up to 27 Lights



3FT (0.9m) Connection Cable
(sold separately)



6FT (1.82m) Extension w/ 0-10v Port
(sold separately)

UL8800 Compliant DLC HORT UK CA IP65

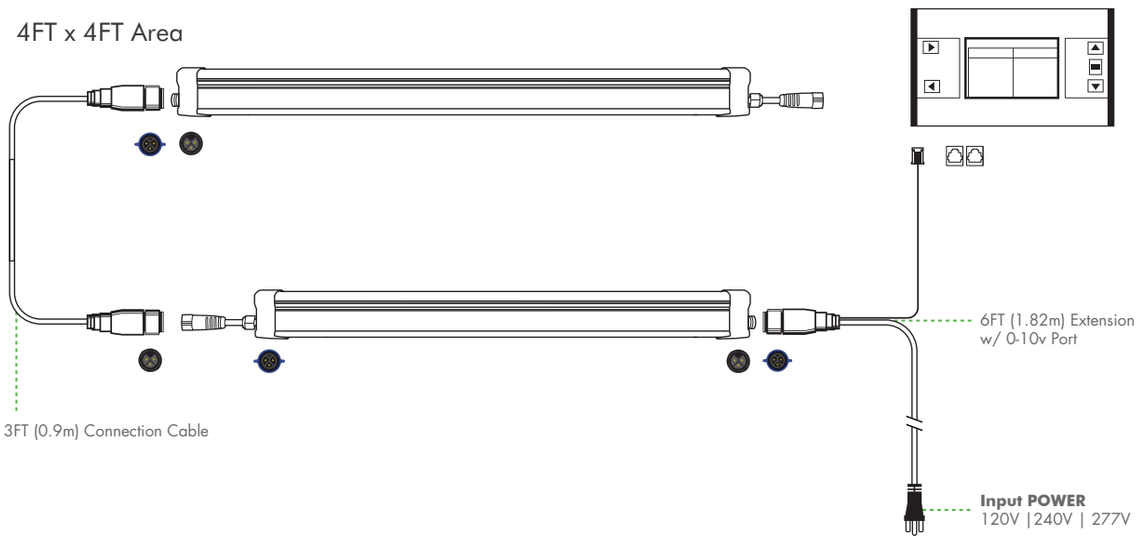
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POWER AND DATA

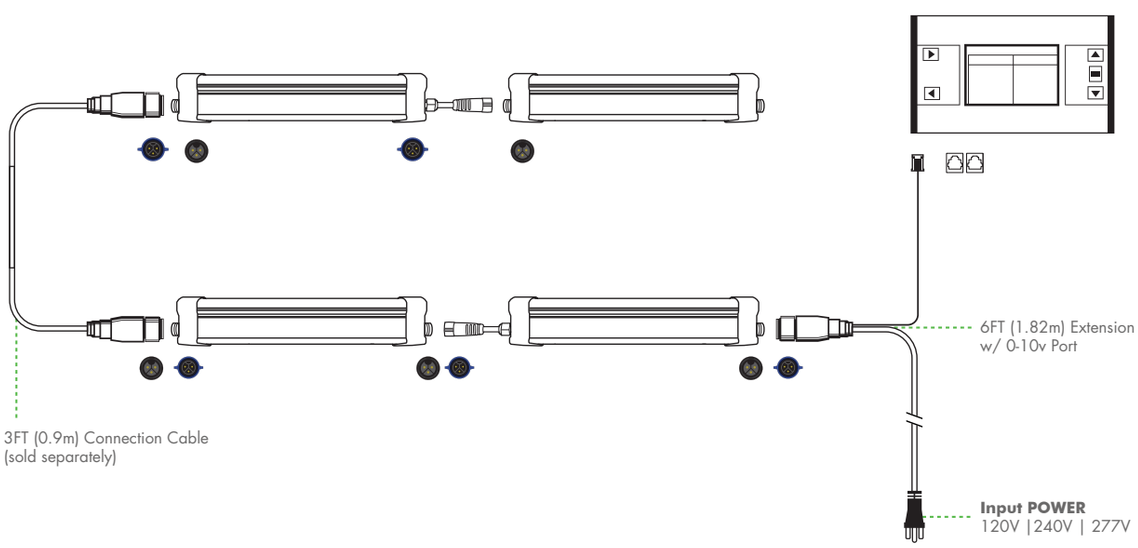
1 SINGLE JOINT CONNECTION

4FT x 4FT Area



2 SINGLE JOINT CONNECTION

4FT x 8FT Area



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ILUMINAR

BEFORE YOU BUY AN LED

CHECK YOUR REBATE



FIND OUT MORE

ILUMINARLIGHTING.COM



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FEB062026