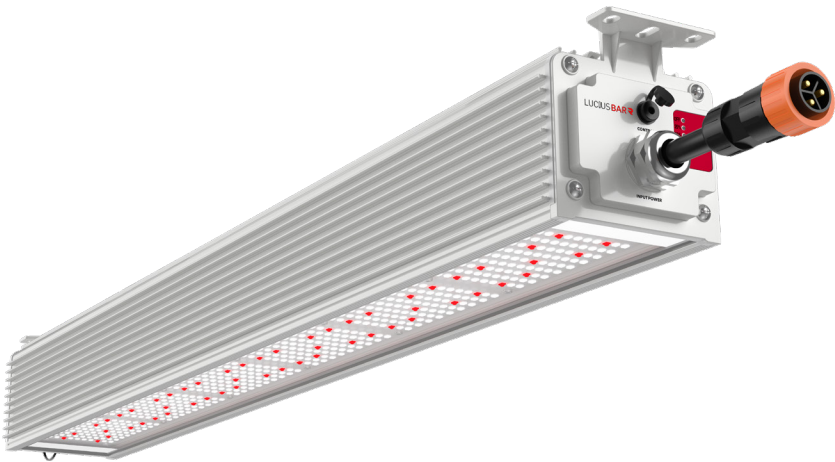


LUCOUS
BAR  IP66
WATERPROOF



USER MANUAL





FC  CE  C 

USER MANUAL


INTRODUCTION

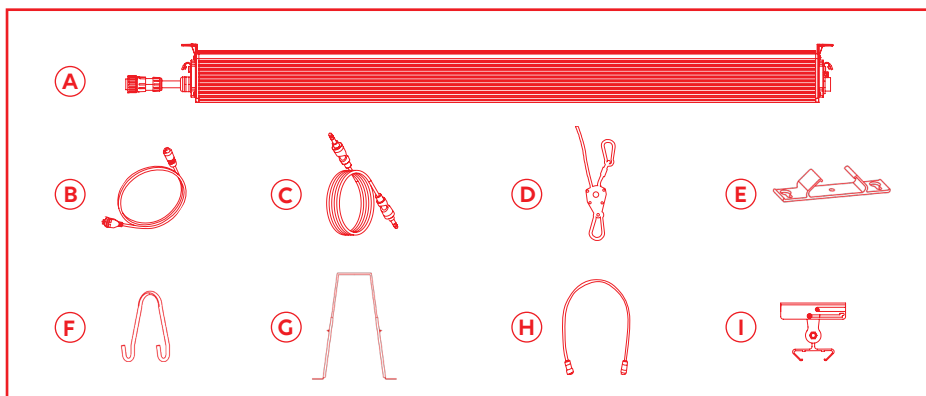
Congratulations for purchasing your LUCIUS BAR . Please read and understand this manual in its entirety before using the LUCIUS BAR . Have a certified personnel to install this fixture. Only use this product as specified within the manual.

1. PRODUCT DESCRIPTION

The LUCIUS BAR  series harnesses the power of OSRAM LED technology to achieve an outstanding PPF efficacy of $3.2\mu\text{mol/J}$. In addition to this remarkable efficiency, the BAR  is equipped with an IP66 waterproof rating, providing robust protection against water infiltration. This added feature ensures that optimal growth is consistently maintained, crop after crop, even in the face of demanding environmental conditions.

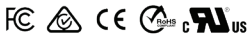
2. CONTENTS

- (A) BAR 
- (B) 10A Input Power Cable 2.4m
- (C) 3.5mm Male Signal Cable 1.2m
- (D) Rope Ratchet (x2)
- (E) Mounting Clip (x2)
- (F) V-Hanger (x2)
- (G) Adjustable Stand (x2)
(Sold Separately)
- (H) Power Jumper Cable
(Sold Separately)
- (I) Rotatable Bracket (x2)
(Sold Separately)



3. TECHNICAL SPECIFICATIONS

Test data has a tolerance of $\pm 3\%$.

| LUCIUS BAR \approx IP66 WATERPROOF | | | | | | | | | | | | | |
|--------------------------------------|--------|---|------------|------------|------------|------------|------------|---|-----------|-----------|-----------|-----------|------------|
| Product Code | | M2194 | | | | | | M2196 | | | | | |
| Power | | 140W | | | | | | 240W | | | | | |
| Voltage Range/ Frequency | | 120-277V ~ 50/60Hz | | | | | | | | | | | |
| Voltage | | 120V | 208V | 220V | 230V | 240V | 277V | 120V | 208V | 220V | 230V | 240V | 277V |
| Current | | 1.2A | 0.68A | 0.65A | 0.62A | 0.6A | 0.53A | 2.0A | 1.15A | 1.09A | 1.04A | 1.0A | 0.90A |
| Maximum No. of LED Chaining | Power | 7 LEDs | 13 LEDs | 13 LEDs | 14 LEDs | 14 LEDs | 16 LEDs | 5 LEDs | 8 LEDs | 8 LEDs | 9 LEDs | 9 LEDs | 10 LEDs |
| | Signal | 80 LEDs | | | | | | | | | | | |
| PPF Efficacy | | 3.2 μ mol/J | | | | | | | | | | | |
| Max PPF | | 450 μ mol/s | | | | | | 770 μ mol/s | | | | | |
| CCT | | 3000K | | | | | | | | | | | |
| CRI | | 70% | | | | | | | | | | | |
| PF | | >0.95 | | | | | | | | | | | |
| THD | | <10% | | | | | | | | | | | |
| Beam Angle | | 120° | | | | | | | | | | | |
| Control Panel | | OFF / 25% / 50% / 75% / 100% / RC | | | | | | | | | | | |
| External Control | | 0-10V LED Control | | | | | | | | | | | |
| Signal Wire | | 3.5mm TRS Male Jumper Cable | | | | | | | | | | | |
| Thermal Management | | Passive | | | | | | | | | | | |
| BTU/h | | 478 | | | | | | 819 | | | | | |
| Size | | 852 x 112 x 104mm 33.5 x 4.4 x 4.1" | | | | | | 1162 x 112 x 104mm 45.7 x 4.4 x 4.1" | | | | | |
| Weight | | 4.52 \pm 0.3kg 10.0 \pm 0.66lbs | | | | | | 6.06 \pm 0.3kg 13.4 \pm 0.66lbs | | | | | |
| Working Temperature | | -30°C to +45°C (-22°F to +123°F) | | | | | | | | | | | |
| Storage Temperature | | -40°C to +70°C (-40°F to +158°F) | | | | | | | | | | | |
| IP rating | | IP66 | | | | | | | | | | | |
| Warranty | | 3 Years | | | | | | | | | | | |
| Certificates | |  | | | | | | | | | | | |

4. COVERAGE AREA

140W

| Application | Vegetative | Flower | |
|---|-------------|-------------|-------------|
| ¹ Hanging Height (cm) | 46 | 27 | 23 |
| Max PPFD ($\mu\text{mol/s/m}^2$) | 500 | 1000 | 1200 |
| Coverage Dimensions LxW (m) | 1.20 x 1.00 | 0.97 x 0.63 | 0.97 x 0.59 |
| ² Coverage Area (m^2) | 1.20 | 0.61 | 0.57 |

240W

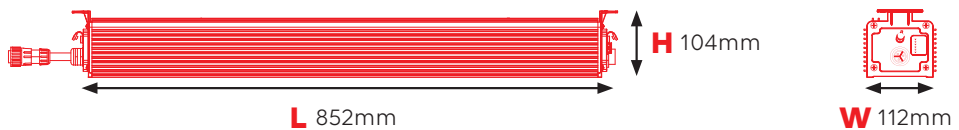
| Application | Vegetative | Flower | |
|---|-------------|-------------|-------------|
| ¹ Hanging Height (cm) | 55 | 32 | 27 |
| Max PPFD ($\mu\text{mol/s/m}^2$) | 500 | 1000 | 1200 |
| Coverage Dimensions LxW (m) | 1.60 x 1.19 | 1.30 x 0.73 | 1.29 x 0.70 |
| ² Coverage Area (m^2) | 1.90 | 0.95 | 0.90 |

¹Hanging Height refers to the distance between the plant canopy and the LED.

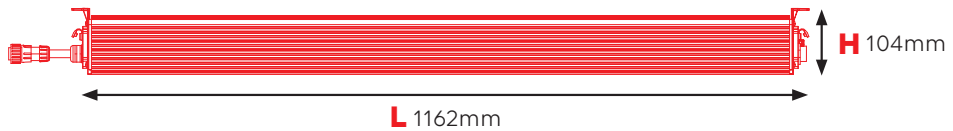
²Coverage Area refers to the region that the plants receive at minimum 200PPFD for Flowering and 100PPFD for Vegetative.
See lucius.com.au to view the PPFD Map

5. DIMENSIONS

140W



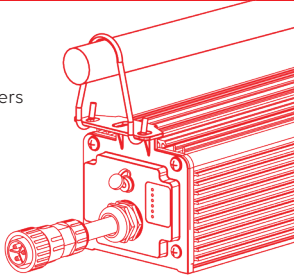
240W



6. INSTALLATION

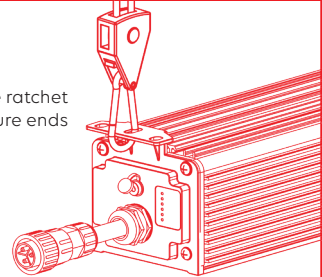
V-HANGER

Mount V-hangers over pole and hang fixture.

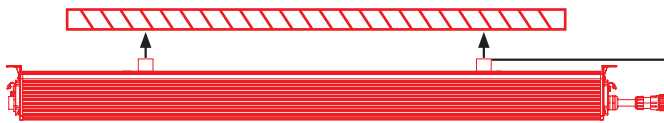


ROPE RATCHET

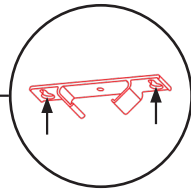
Attach rope ratchet to both fixture ends and hang.



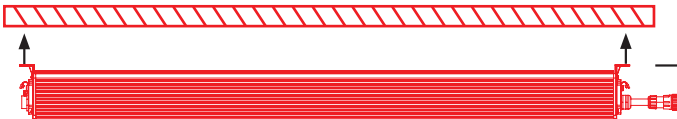
SURFACE MOUNT



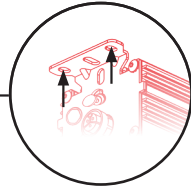
Slide mounting clips onto fixture, lock mounts into place and using two people attach LED to a secure surface.



OR

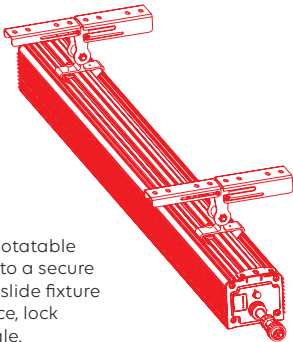


Attach endplates to a secure surface.



ROTATABLE BRACKET (M2173)

Mount Rotatable Bracket to a secure surface, slide fixture into place, lock and angle.



(SOLD SEPARATELY)

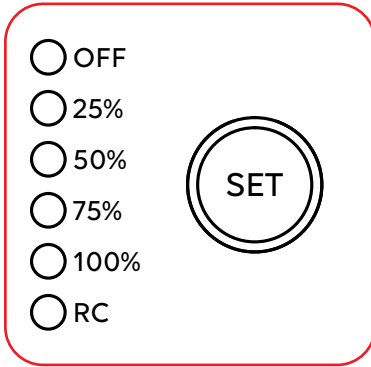
ADJUSTABLE STAND (M2175)

Mount Adjustable Stand to a secure surface, adjust to desired height and attached into fixture into place.



(SOLD SEPARATELY)

7. CONTROL



Powering On

Connect the Input Power Cable to the Fixture and a switched off power outlet. Switching the power outlet on will power the fixture. By default it will be set to '100%', use Digital Control to change settings.

Digital Control

Use the 'SET' button to toggle between Power, Dimming and Remote Control.

8. CONNECTING MULTIPLE LED FIXTURES

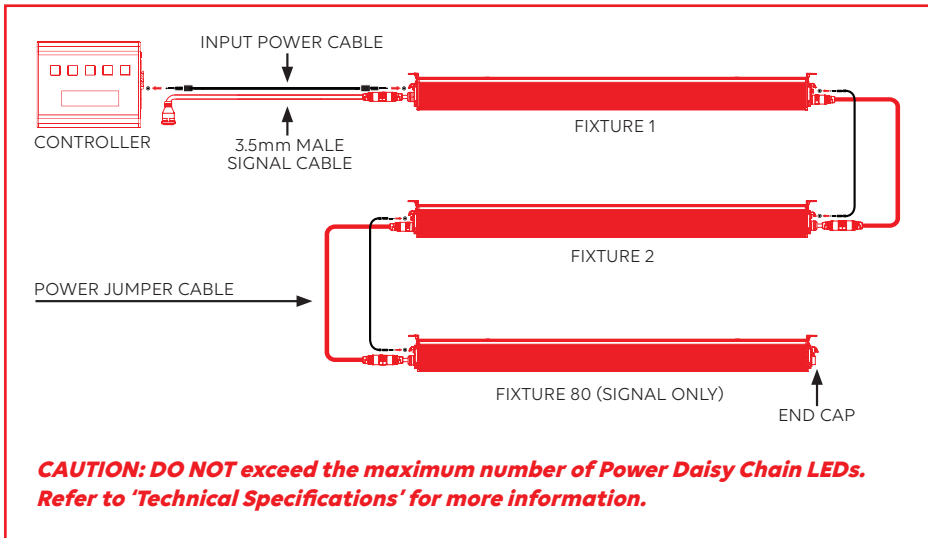
Power Daisy Chain

Ensuring the mains power is off, connect the Power Jumper Cable between the Output on Fixture 1 and Input on Fixture 2. Repeat these steps until your desired number of fixtures are connected.

Signal Daisy Chain

Connect the 3.5mm Male Jumper Cable between the Controller and the 'IN' port on Fixture 1. Then connect the cable between the 'OUT' port on Fixture 1 and the "IN" port on Fixture 2. Once connected, set the Digital Control to the "RC" setting.

Power and Signal Daisy Chain Diagram:



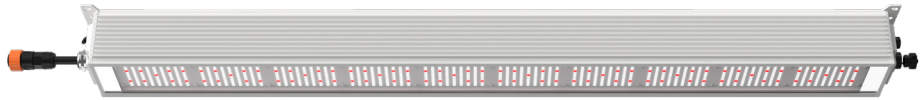
9. WARRANTY - CONTACT YOUR RETAILER FOR WARRANTY CLAIMS AND SUPPORT.

The company guarantees the mechanical and electronic components of this product. It ensures the materials and workmanship is free of defects, used under normal operating conditions.

If there are any defects with this product that relate to the workmanship or the materials used, the company shall, at its discretion, either replace or repair the product.

However, improper use is NOT covered by warranty. This includes but is not limited to, overloading, user error, physical or water damage.

Warranty is valid for a period of three years from the original date of purchase.



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