

LUCIUS

PRODUCTION BAR

CLONE

CLONE
ENHANCER

VEG



USER MANUAL



CE

FC



SAFETY NOTES

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- Keep away from hot objects and open flames.
- Avoid touching during operation.
- Ensure that there is no visible damage before installing or using this product.
- Ensure that selected power supply is switched OFF during installation.
- Do not install underwater or in water soaked areas.
- Do not attempt to service or replace LEDs yourself.

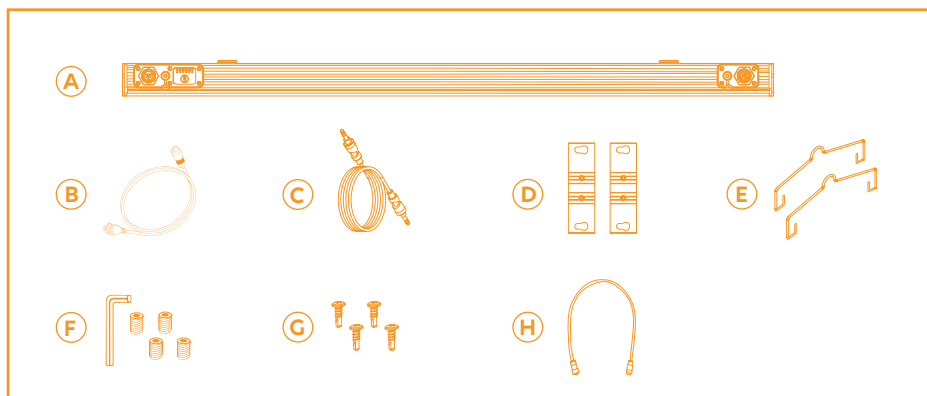
1. PRODUCT DESCRIPTION

The LUCIUS PRODUCTION BAR LED is specifically designed for commercial racking applications, featuring 3 spectra models to cater plants in cloning and vegetative stages. It boasts an IP66 rating, ensuring durability and resistance to dust and water ingress.

The LED supports power and signal chaining, allowing for easy connectivity and scalability across multiple units. With an ultra-wide 130° beam angle, it provides uniform and effective light distribution, maximising coverage and promoting optimal growth conditions for plants indoors.





2. CONTENTS

- (A) Production Bar (B) Input Supply Cable 1.5m (C) 3.5mm Male Signal Cable 0.7m
(D) Mounting Clip (x2) (E) Hanger (x2) (F) Locking Screws (x4) & Hex Key
(G) Mounting Screws (x4) (H) Power Jumper Cable
E0695 (Sold Separately)



3. TECHNICAL SPECIFICATIONS

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

Product Code		M5100	M5120	M5140	M5110	M5130	M5150
Spectra		VEG	CLONE ENHANCER	CLONE	VEG	CLONE ENHANCER	CLONE
Power		40W			80W		
Voltage Range / Frequency		220-240Vac ~50/60Hz					
Current@230V		0.18A			0.36A		
Max No. ofLED Chaining	Power	36 LEDs			18 LEDs		
	Signal	80 LEDs					
Nominal PPF Efficacy		2.65µmol/J	295µmol/J	2.60µmol/J	2.65µmol/J	295µmol/J	2.60µmol/J
Maximum PPF Efficacy @40%		2.75µmol/J	315µmol/J	2.75µmol/J	2.75µmol/J	315µmol/J	2.75µmol/J
Max PPF		106µmol/s	118µmol/s	104µmol/s	212µmol/s	236µmol/s	208µmol/s
CCT		5800K	1800K	>10000K	5800K	1800K	>10000K
CRI		90%	20%	55%	90%	20%	55%
PF		>0.97					
THD		<10%					
Beam Angle		130°					
Control Panel		OFF / 40% / 60% / 80% / 100% / RC					
External Control		0-10V LED Control					
Signal Cable		3.5mm TRS Male Jumper Cable					
Thermal Management		Passive					
BTU/h		137			273		
Protection		Over-Voltage, Over-Load, Short-Circuit, Over-Temperature					
Dimensions		851 x 96 x 43mm 33.5 x 3.8 x 1.7"			1151 x 96 x 43mm 45.3 x 3.8 x 1.7"		
Weight		1.6±0.3kg 3.5±0.66Lbs			2.1±0.3kg 4.6±0.66Lbs		
Operating Temp.		0°C to 40°C /32°F to +104°F (95% RH)					
Storage Temp.		-40°C to 70°C /-40°F to +158°F (85% RH)					
IP Rating		IP66					
Warranty		3 Years					
Certificates		   					

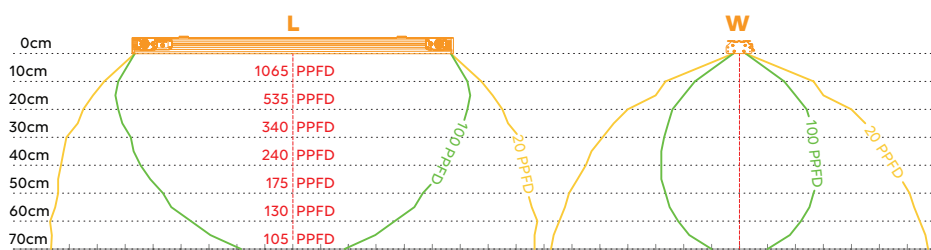
4. COVERAGE AREA

Coverage Area Data depicts Production Bar VEG (M5110).

Max PPFD (umol/s/m ²)	¹ Hanging Height (cm)	Propagating Size LxW (m)	² Propagating Area (m ²)	Vegetative Size LxW (m)	² Vegetative Area (m ²)
1065	10	1.35 x 0.53	0.72	1.25 x 0.32	0.40
745	15	1.43 x 0.70	1.00	1.27 x 0.40	0.51
535	20	1.50 x 0.80	1.20	1.25 x 0.48	0.60
420	25	1.54 x 0.90	1.38	1.22 x 0.51	0.62
340	30	1.62 x 0.98	1.59	1.16 x 0.54	0.63
285	35	1.64 x 1.06	1.74	1.14 x 0.56	0.64
240	40	1.66 x 1.10	1.83	1.09 x 0.56	0.61
200	45	1.68 x 1.16	1.95	1.02 x 0.56	0.57
175	50	1.68 x 1.22	2.05	0.93 x 0.53	0.49
150	55	1.71 x 1.25	2.14	0.87 x 0.50	0.43
130	60	1.75 x 1.29	2.26	0.73 x 0.44	0.32
120	65	1.73 x 1.33	2.30	0.59 x 0.36	0.21
105	70	1.73 x 1.35	2.34	0.37 x 0.20	0.07

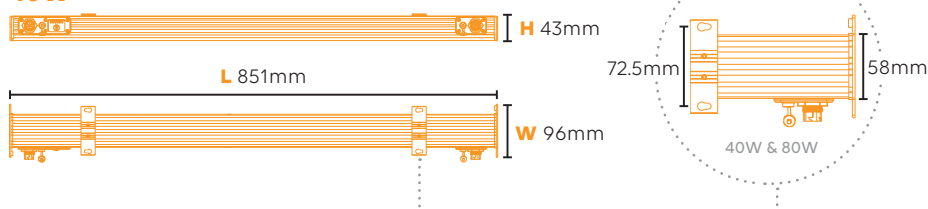
¹ **Hanging Height** refers to the distance between the plant canopy and the LED.

² **Coverage Area** refers to the region that the plants receive at minimum 20PPFD for **Propagation** and 100PPFD for **Vegetative**. For more information visit lucius.com.au

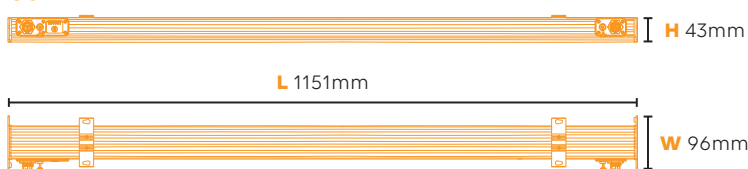


5. DIMENSIONS

40W

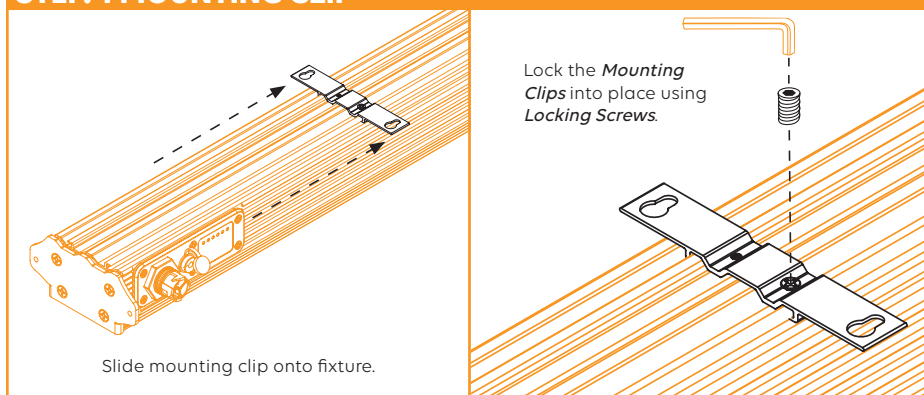


80W

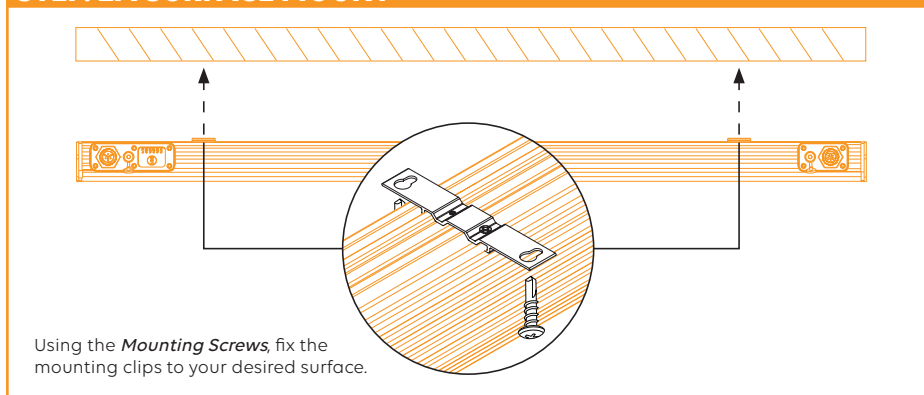


6. INSTALLATION

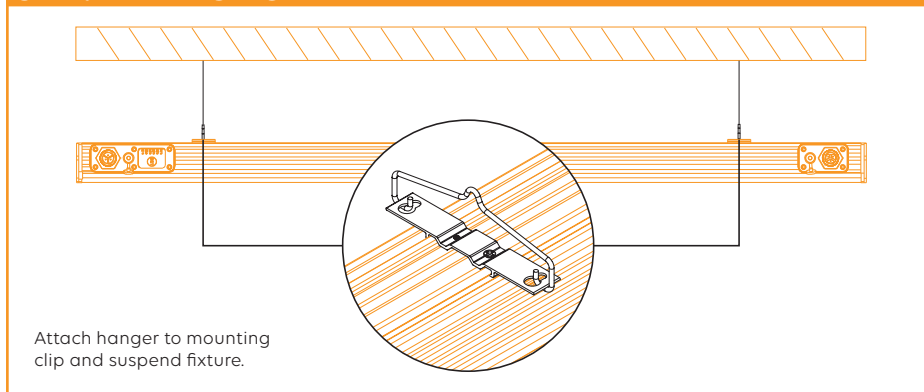
STEP. 1 MOUNTING CLIP



STEP. 2A SURFACE MOUNT



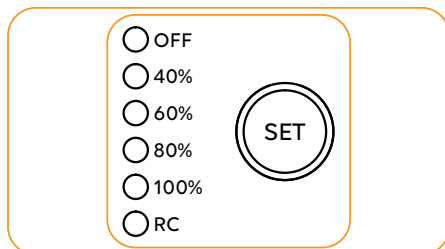
STEP. 2B HANGING



7. CONTROL

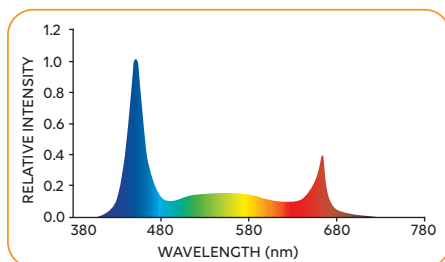
Powering On

Connect the Fixture to the power outlet using the AC Input Supply cable and power ON.

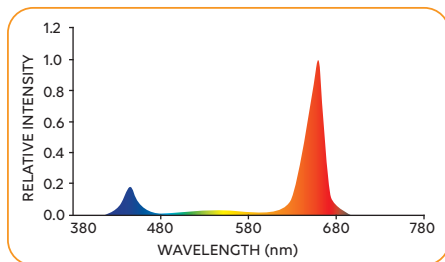


Digital Control

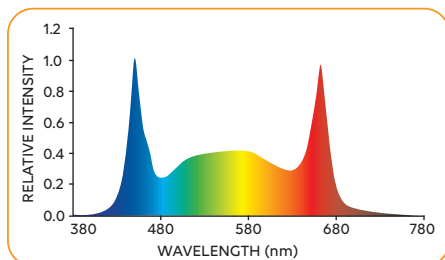
The Fixture features a 'Digital Control' that can switch between Power Dimming and Remote Control (RC) settings using the 'SET' button.



Clone is a violet colour focusing on high blue and low red wavelengths. Recommended for seedlings, propagation, and cloning to promote strong root development.



Clone Enhancer is a red colour with high red and low blue wavelengths. Recommended as supplementary light during cloning for enhanced root development.



Veg is a white colour with peaks of blue and red wavelengths. Recommended for early veg to early flower, encouraging compact, sturdy plants leading into the flowering period.

8. CONNECTING MULTIPLE LED FIXTURES

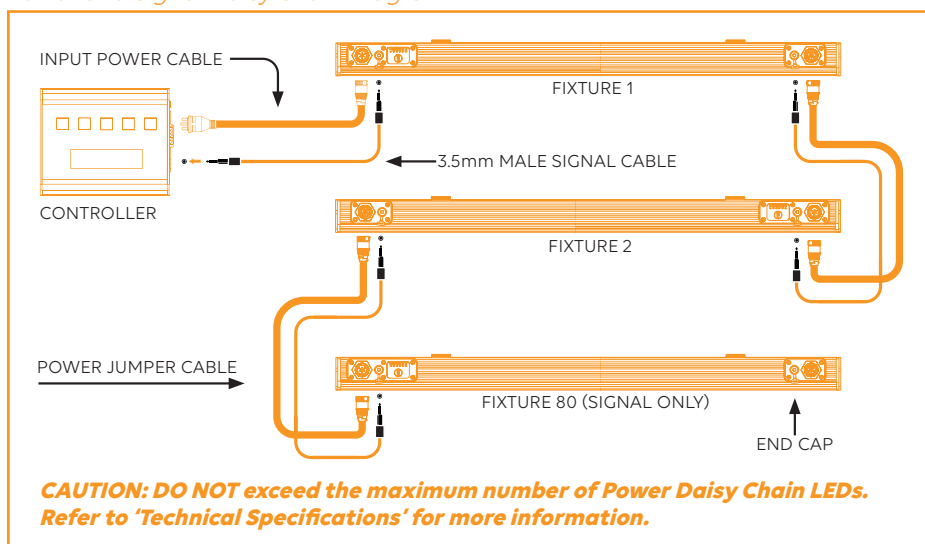
Power Daisy Chain

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.

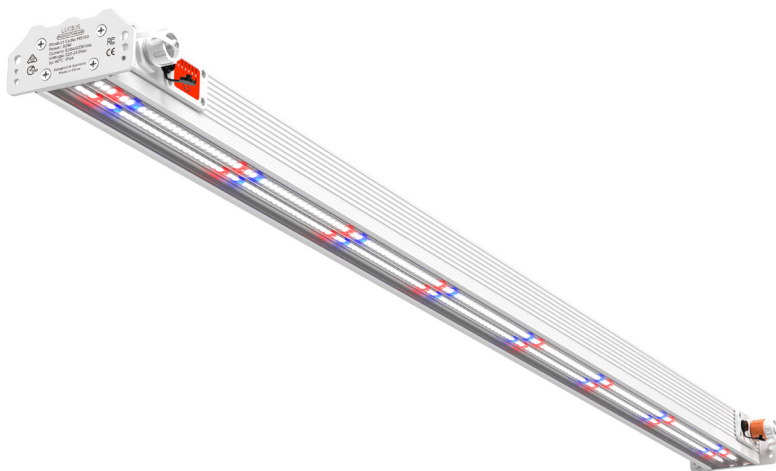
Power and Signal Daisy Chain Diagram:



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, incompatible input voltage, combining AC and DC voltages, incorrect connection, 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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