

LUCIUS BAR

USER MANUAL



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

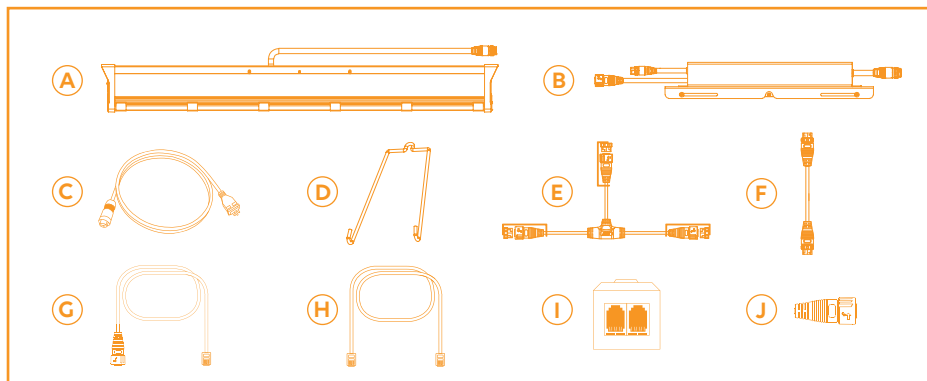
Experience superior horticultural results with the LUCIUS 620W BAR.

This advanced commercial application offers higher photon efficiency and lower energy consumption.




Seamlessly compatible with modern controllers, it ensures optimal growth conditions and maximises productivity in controlled environment agriculture.

2. CONTENTS

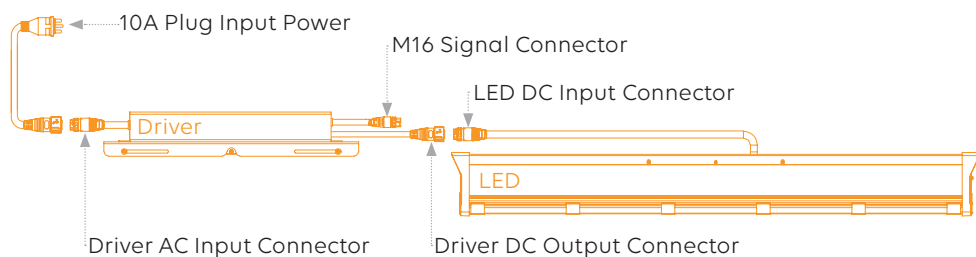
- (A) LED Fixture (B) LED Driver (C) 10A Plug Input Power Cable 2.5m
(Optional)
- (D) Stainless Steel Hanger (x4) (E) M16 Signal 3-Way Shielded Cable
(Sold Separately)
- (F) M16 Signal Jumper Shielded Cable (G) M16 to RJ Adaptor (H) RJ Extension Cable
(Sold Separately) *(Sold Separately)* *(Sold Separately)*
- (I) RJ 3-way Splitter (J) M16 Field Assembly Connector
(Sold Separately) *(Sold Separately)*



3. TECHNICAL SPECIFICATIONS *Test data has a tolerance of ±3%.*

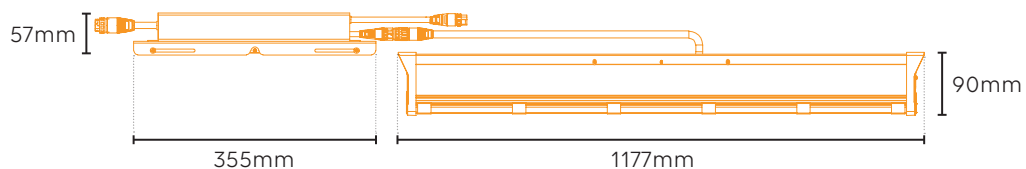
Product Code		M2168 (R Series)	M2201 (W Series)
Power		620W	
Voltage Range/ Frequency		120-277Vac ~ 50/60Hz	
Current	120V	5.26A	
	208V	3.05A	
	220V	2.89A	
	230V	2.77A	
	240V	2.66A	
	277V	2.34A	
Max PPF		1984μmol/s	1705μmol/s
Nominal PPF Efficacy		3.2μmol/J	2.75μmol/J
Max PPF Efficacy		3.55μmol/J @50%	2.95μmol/J @50%
CCT		3000K	4700K
CRI		75%	80%
PF		>0.98	
THD		<15%	
Beam Angle		120°	
External Control		Compatible with 0-10V LED Controllers	
Signal		M16 3 Pin Connector	
Thermal Management		Passive	
BTU/h		2116	
Protection		Over-voltage, Under-voltage, Short Circuit, Over-temperature	
Dimensions		LED: 1177 x 139 x 90mm 46.3 x 5.5 x 3.5"	
		DRIVER: 355 x 140 x 57mm 14.0 x 5.5 x 2.2"	
Weight		11.6±0.3kg 25.7±0.66Lbs	
Working 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		IP65	
Warranty		3 Years	
Certificates		  	

4. LEGEND

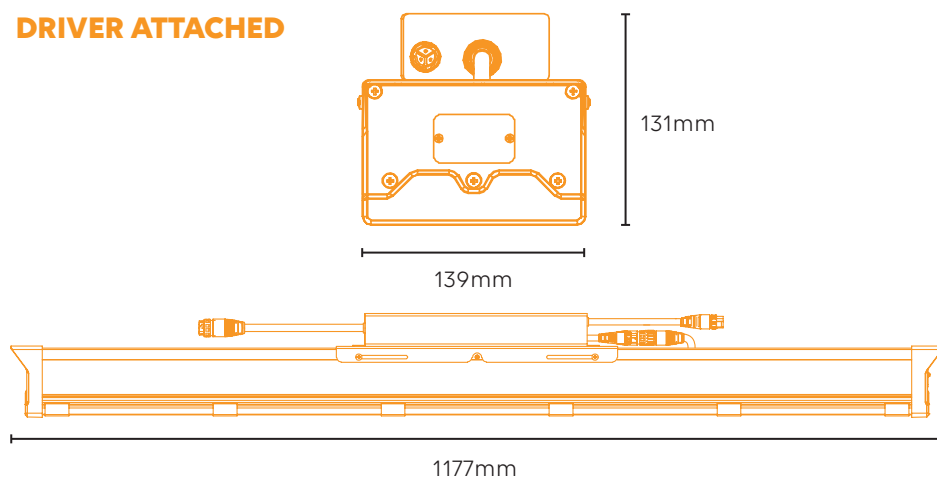


5. DIMENSIONS

DRIVER DETACHED

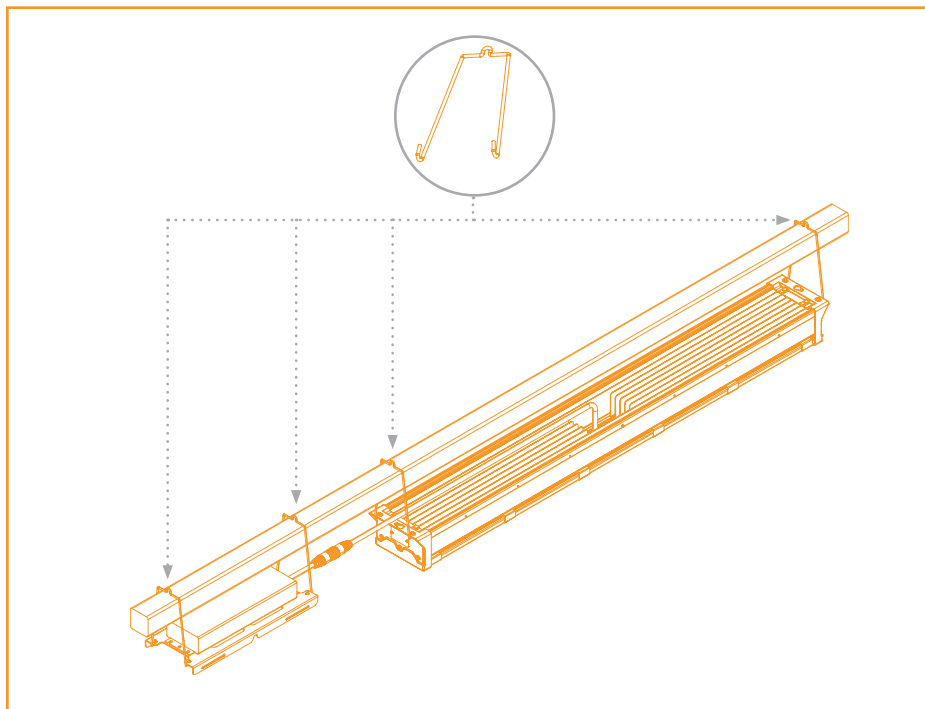


DRIVER ATTACHED

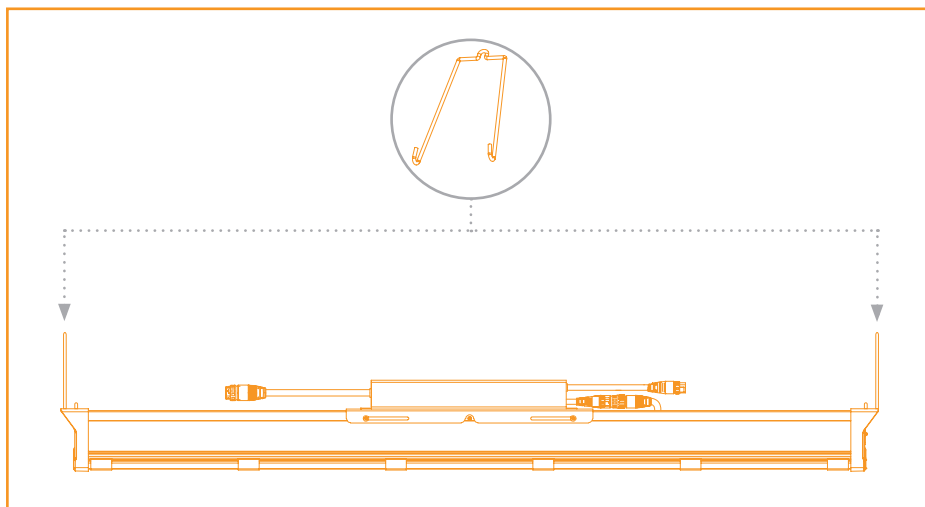


6. INSTALLATION

DRIVER DETACHED



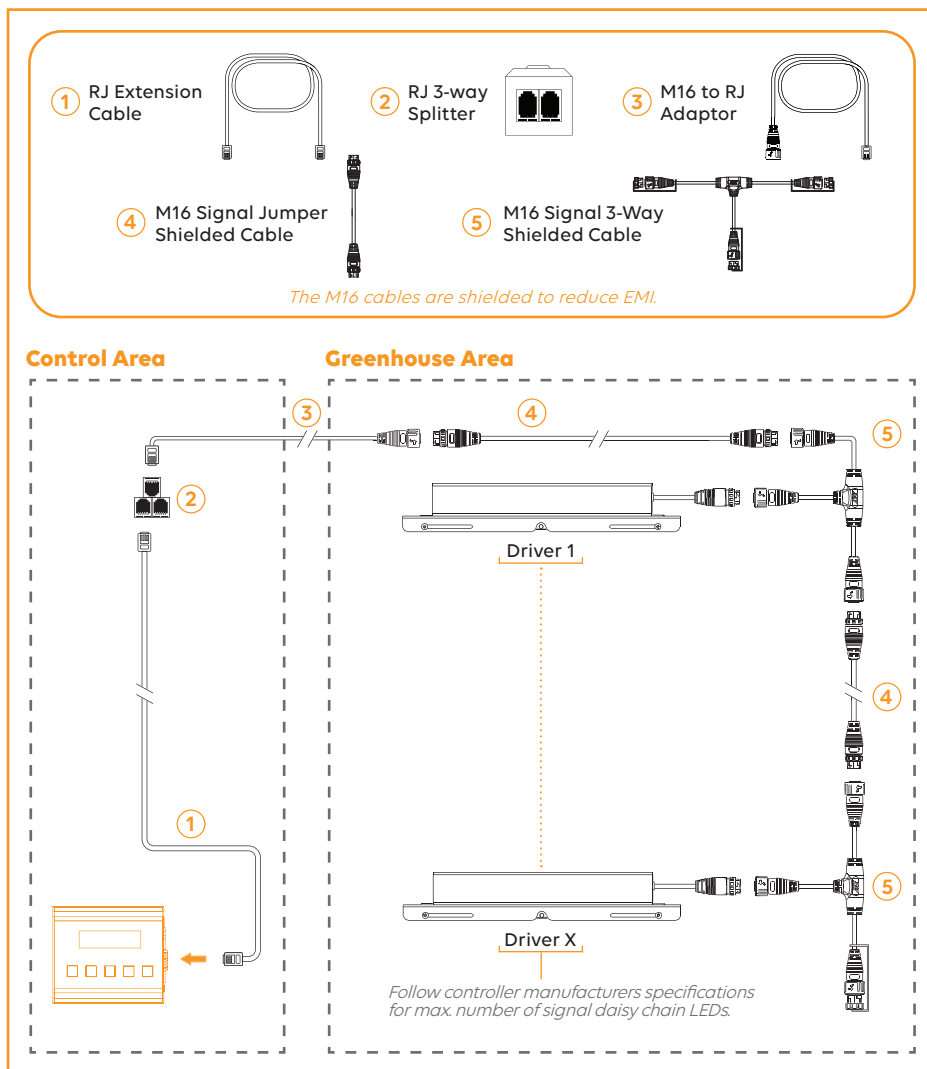
DRIVER ATTACHED



7. EXTERNAL CONTROL 0-10V

To ensure reliable connection, Lucius recommends using shielded signal cables with High IP rated connectors inside the Greenhouse Area, whilst using RJ type cabling for the Control Area, where the environment is not as harsh.

From the Controller, connect the RJ extension cable and 3-Way splitter, then connect the M16 to RJ Adaptor when crossing over to the Greenhouse Area. Continue to use M16 Signal Jumper Shielded Cable and M16 3-Way Shielded Cable in conjunction to add desired number of LED drivers.



8. 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, 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.



lucius.com.au