








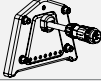




# LUCIUS LED GROW LIGHT SPECIFICATION

Product name		Lucius LED Grow Light								
Application		Horticultural Industry / Green Houses / Vertical Farming / Indoor Gardens								
Type		Superior Flower (SF Series): Best for the flowering stage Full Cycle (FL Series) : Suitable from the start to finish of the plant growth								
Power		150W				90W				
Voltage		120V	208V	240V	277V	120V	208V	240V	277V	
Current		1.32A	0.76A	0.66A	0.6A	0.80	0.46	0.40	0.36	
Daisy Chain (Connecting multiple LEDs together by Jumper Cable)		4 LEDs @ 120V 7 LEDs @ 208V 9 LEDs @ 240V 10 LEDs @ 277V				7 LEDs @ 120V 13 LEDs @ 208V 15 LEDs @ 240V 16 LEDs @ 277V				
PPF*		SF Series: 340 µmol/s FC Series: 270 µmol/s				SF Series: 200 µmol/s FC Series: 160 µmol/s				
System PPF Efficacy*		SF Series: 2.2 PPF/W FC Series: 1.8 PPF/W								
Maximum Effective PPF above the plant canopy		SF Series: 1200 µmol/s @ 25cm (10in) FC Series: 1200 µmol/s @ 20cm (8in)				SF Series: 1200 µmol/s @ 15cm (6in) FC Series: 1200 µmol/s @ 10cm (4in)				
Maximum Effective PPF Efficacy		8 PPF/W				13.3 PPF/W				
CCT		SF Series: 2000 K FC Series: 1100 K								
CRI		SF Series: 36% FC Series: 30%								
Beam Angle										
Power Factor		> 0.96								
Frequency		50/60 Hz								
THD		<10%								
<b>Input Cable Plug</b> 										
	<b>Cable</b>	USA: 8ft 3×18AWG AU/NZ, UK, EU, Asia: 2.4m 3×1mm <sup>2</sup>								
	<b>Connector</b>	Circular female connector, IP66, cable mounted, suitable for 3x1mm <sup>2</sup> wire, with cap								
<b>Jumper Cable (Not included)</b> 	<b>Cable</b>	USA: 4.6ft or 2.6ft, 3×18AWG AU/NZ, UK, EU, Asia: 1.4m or 0.8m, 3×1mm <sup>3</sup>								
	<b>Connector</b>	1- Circular female connector, IP66, cable mounted, suitable for 3x1mm <sup>2</sup> wire, with cap 2- Circular male connector, IP66, cable mounted, suitable for 3x1mm <sup>2</sup> wire								
<b>LED Input Unit Socket</b> 	Circular male connector, IP66, cable mounted, suitable for 3x1mm <sup>2</sup> wire Connected to the enclosure via Strain Relief Bushing									
<b>LED Unit output Socket</b> 	Circular female connector, IP66, cable mounted, suitable for 3x1mm <sup>2</sup> wire, with cap Connected to the enclosure via Strain Relief Bushing									
<b>Protection</b>		Over-voltage, Under-voltage, Short Circuit, Over-temperature,								
<b>Waterproof and dustproof</b>		IP66								
<b>Enclosure Colour</b>		Silver								
<b>LED Dimension in mm (LxWxH)</b>		1180 x 137 x 102				720 x 137 x 102				
<b>Weight</b>		6.9Kg / 15.2lbs				4.7Kg / 10.5lbs				
<b>Operating Temperature</b>		-30°C to +50° C / -22°F to 122°F								
<b>Lifespan</b>		50,000 hrs								
<b>Warranty</b>		5 years								
<b>Certification</b>										

\* PPF Values are measured in the 2 meter sphere with spectro radio meter, without using any Self-absorption Factor