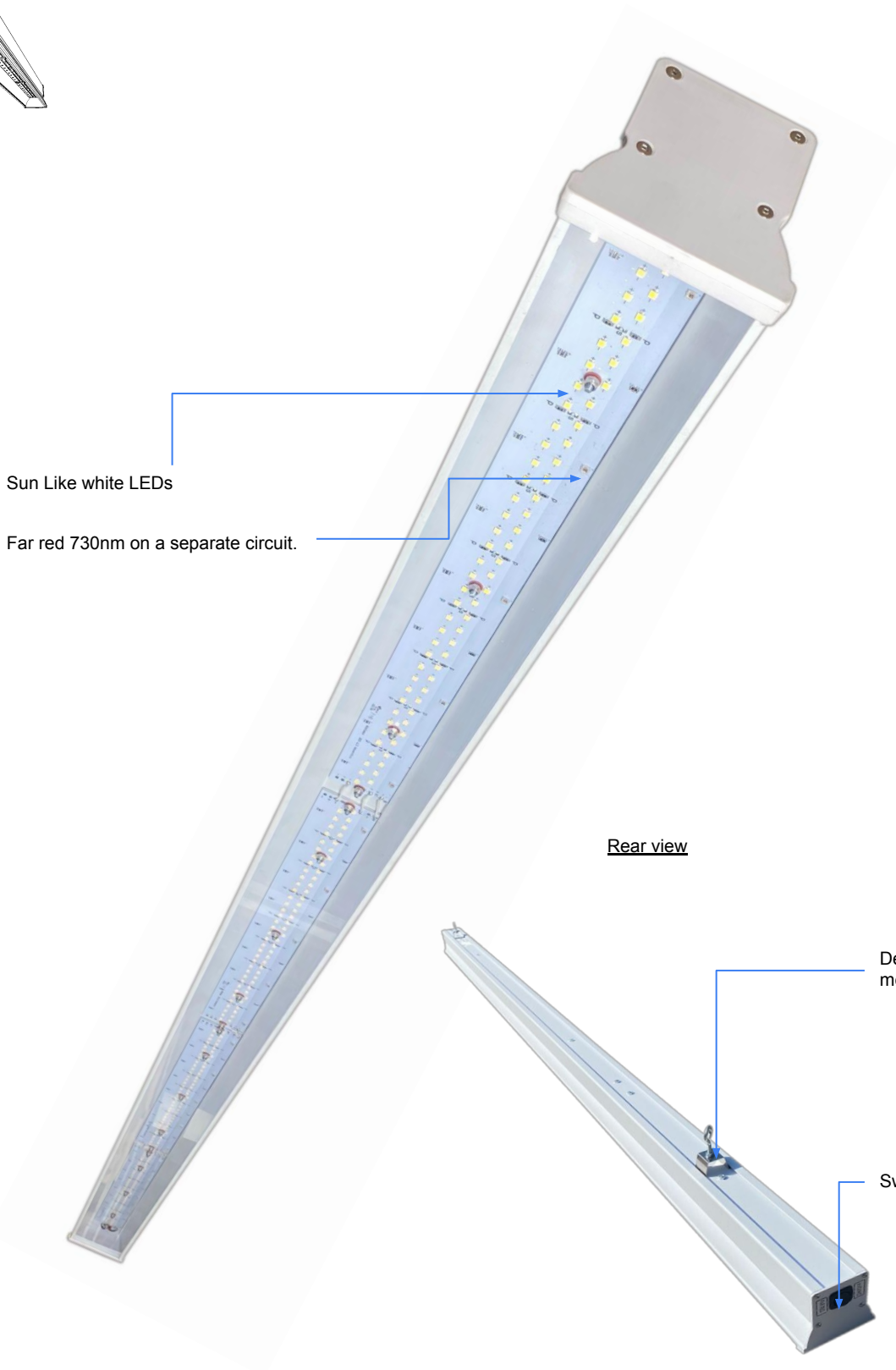
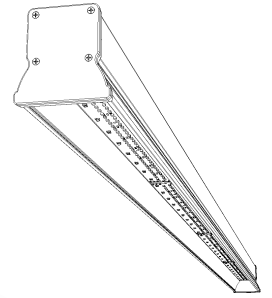
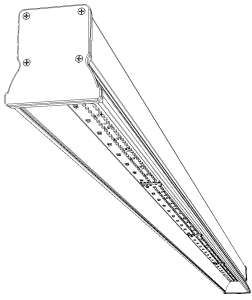


Comet Horticultural



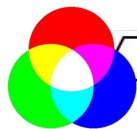
Sun Like white LEDs

Far red 730nm on a separate circuit.

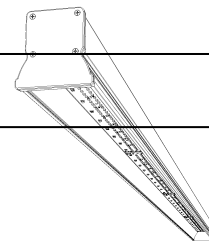
Rear view

Detachable mounting clip

Switch for far red on/off

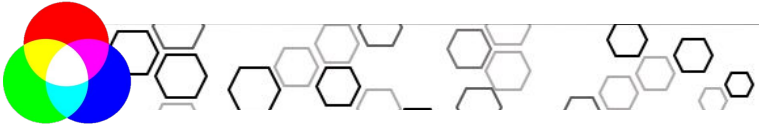


FACT FILE:

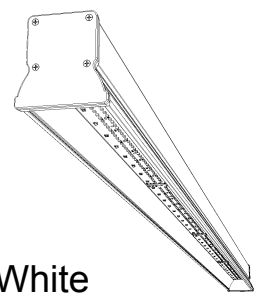
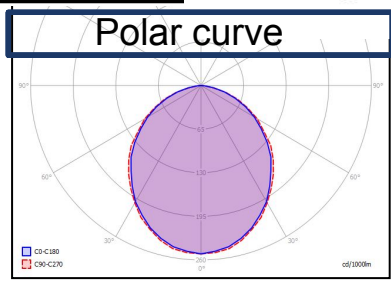


<u>General Information</u>	
Body Construction	<ul style="list-style-type: none"> <input type="checkbox"/> Extruded Aluminium, either anodized or powder coated. <input type="checkbox"/> Ends: PC <input type="checkbox"/> Mounting clips: Stainless spring steel.
Lens Type	Polycarbonate UL V5 (flame proof) UV stable Makrolon
Recommended Height Installation	Refer to grower.
Compliance	SANS 60598
IP Rating	<ul style="list-style-type: none"> <input type="checkbox"/> IP 44 is standard. <input type="checkbox"/> IP 56 on request.
Control Type	On / off , standard 0-10V DALI, DMX on request.
<u>Electrical Information</u>	
Electrical Class	Class 2
Socket Options	Supplied with 2m cable and plugtop.
Supply Voltage	<ul style="list-style-type: none"> <input type="checkbox"/> The Comet requires 230V AC 50Hz as standard. <input type="checkbox"/> 110V and 24V DC are also optional.
Surge Protection	<ul style="list-style-type: none"> <input type="checkbox"/> Between L and N = 6kV <input type="checkbox"/> Between L, N and E = 10kV
Power Factor	Better than 0.95
<u>Performance</u>	
Total Circuit load and Lumens (For "Standard White" Spectrum)	<ul style="list-style-type: none"> <input type="checkbox"/> 1000mm: 120W, 4000K or 5000K or 6500K - 21600 lumens (385 μMol) <input type="checkbox"/> 2000mm: 240W, 4000K or 5000K or 6500K - 43200 lumens (770 μMol) <input type="checkbox"/> Please note: losses will occur through the lens. Please refer to IES files for accuracy.
Dimmable	<ul style="list-style-type: none"> <input type="checkbox"/> Standard, if supplied with our power bar, then switches are supplied; one for far red and another for 'sun-like' white. <input type="checkbox"/> DALI: Optional. <input type="checkbox"/> DMX: Optional. <input type="checkbox"/> KNX: Optional. <input type="checkbox"/> 0-10/ 1-10V: Optional.
<u>Operating Conditions</u>	
Operating Temperature range	-20°C to +45°C
Installation Data	IES files are available for lighting simulation.
<u>Dimensions and Mounting</u>	
Weight	5Kg

Note – lumens are measured at source on the PCB – they are total lumens including power supply – losses will occur through lenses – for accuracy refer to IES files



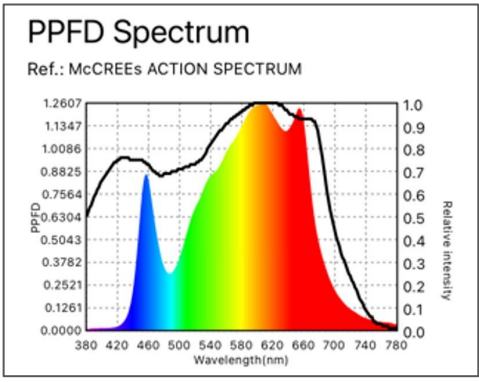
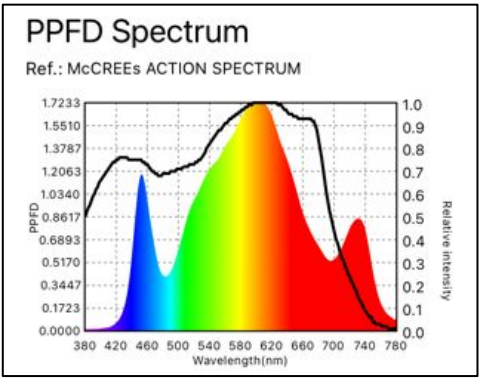
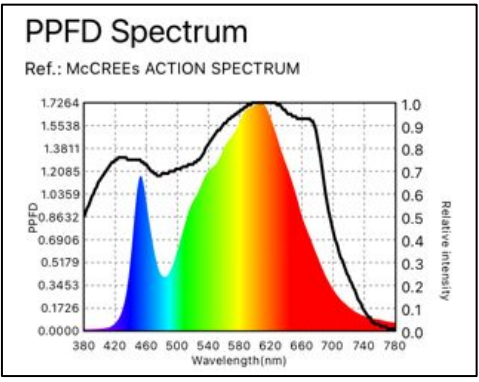
Spectrum breakdown:



Standard White

Standard White + 730nm

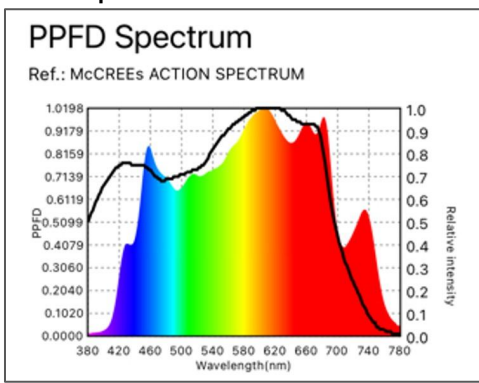
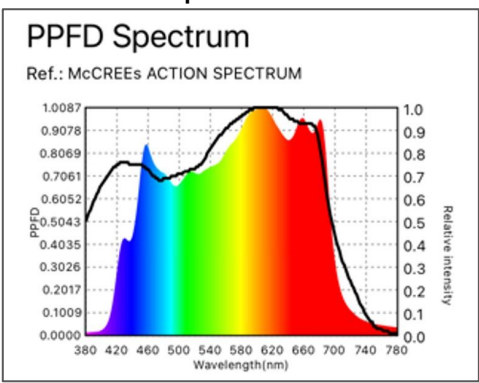
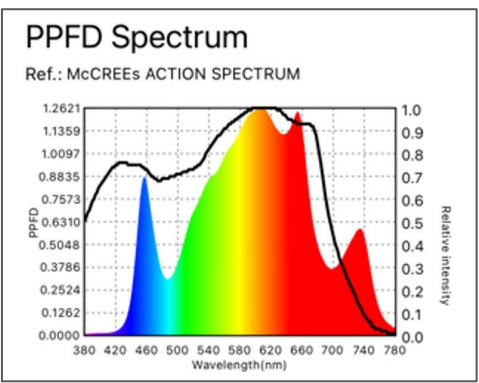
Broad White



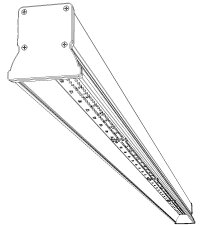
Broad White + 730nm

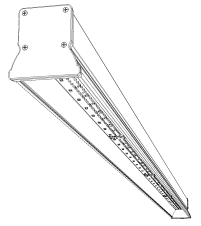
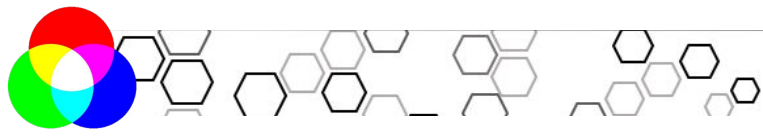
Full Spectrum White

Full Spectrum White + 730nm

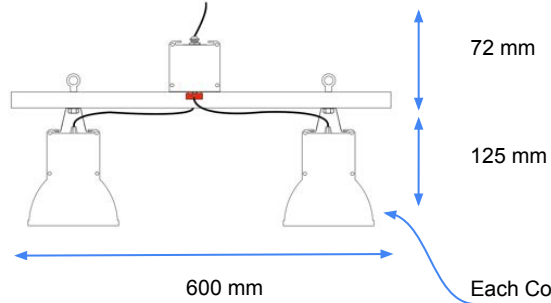


Dimensions





Two x 2 m Comets mounted to Power Bar.

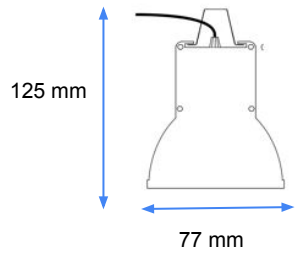


480W 86400 lumens 1540 μ Mol

Each Comet can be moved side to side by 100mm

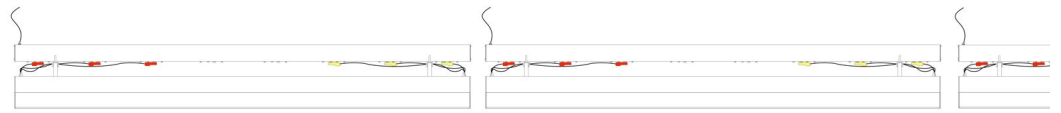
Single 2m Comet

Single Comet requires no Power Bar

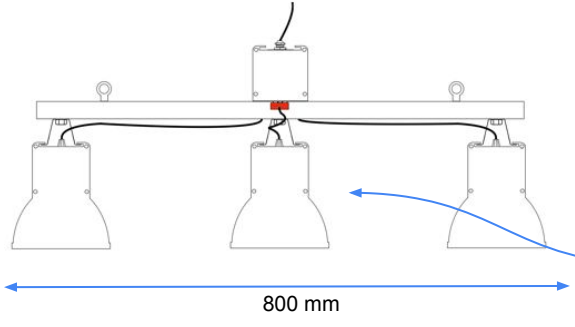


240W 43200 lumens 770 μ mol

Side view of Comets mounted to Power Bar



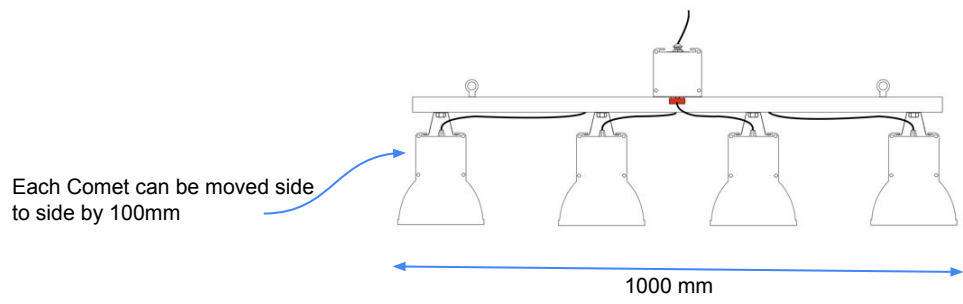
Three x 2 m Comets mounted to Power Bar.



720W 129600 lumens 2300 μ Mol

Each Comet can be moved side to side by 100mm

Four x 2 m Comets mounted to Power Bar.



960W 172800 lumens 3080 μ Mol

Note – lumens are measured at source on the PCB – they are total lumens including power supply – losses will occur through lenses – for accuracy refer to IES files