

# PRODUCT DATA SHEET

## Pioneer 6



### Characteristic

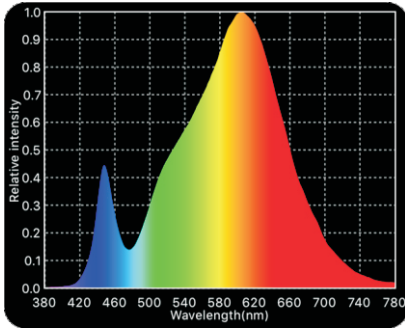
- 1) Using the latest lighting technology including the USA made CREE COB and BridgeLUX 5W LEDs which are both specifically designed for horticultural lighting.
- 2) 6 channels gardening timing system---built-in timer, 10/12/14/16/18/24 hours for selection.
- 3) Unique secondary lenses adopted to guarantee an outstanding PAR output and lighting performance.
- 4) Carefully selected spectra delivering the sun spectrum that is needed by plants.
- 5) Perfect heat management, cool to touch.

### Specifications

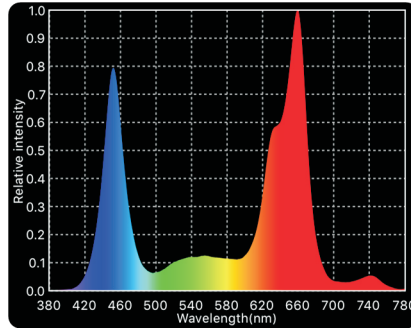
	ITEMS	PIONEER 6 LED GROW LIGHT
<b>Product</b>	Power Consumption	620W
	Dimension(L*W*H)	554*376*70mm
	Packing(L*W*H)/ BOX	672*454*160mm
	N.W	9.58KG
	G.W	12.5KG
<b>Power</b>	AC Input Voltage	AC100V~265V/50-60Hz
	Protection	Overheating Protection
	Power Factor	Over 95%
<b>LEDs</b>	Spectrum/Color Ratio	Full Spectrum
	LED True Watts	COB (50W)/PCS, Surround LEDs (50W+)/Module
	Light Source	CREE CXA2530 COB; BridgeLUX Surround 5w LEDs
	Total Number of LED's	COB/6PCS 5W LEDs/96PCS
<b>Footprint (Suggested)</b>	Vegetative	5' X 4'
	Flowering	4' X 4'
<b>Lamp Control</b>		Dual Switch, CH1: COB; CH2: Surround LEDs
<b>Heat Management</b>	PCB	Metal PCB (aluminium) 2.0MM
	Heat Conduction	2.0 w/m.k
<b>Ambient Temperature</b>	Storage Temp.	0°C ~ 40°C
	Operation Temp.	-10°C ~ 45°C
<b>Beam Angle</b>	Secondary Lens	90 Deg lens
<b>Life Span</b>		Over 50,000hr
<b>Certifications</b>	Standard	CE, RoHS

# PIONEER 6 Full Spectrum

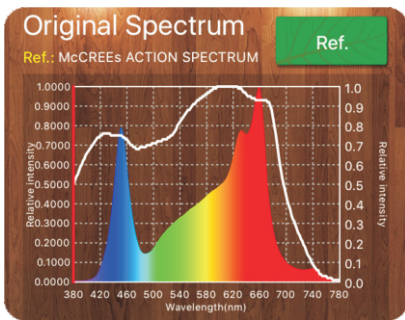
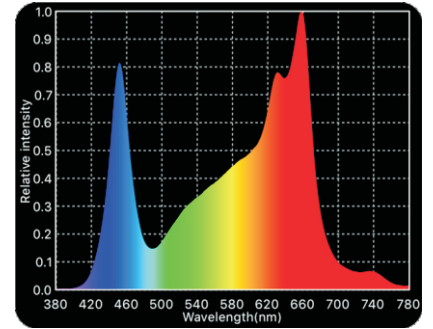
CH1: COB-ON



CH2: Surround LEDs-ON



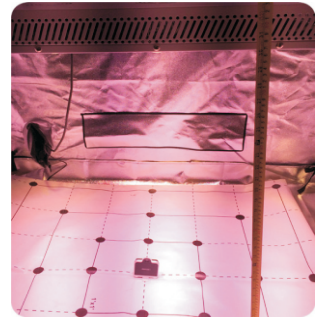
CH1&CH2 Full Power ON



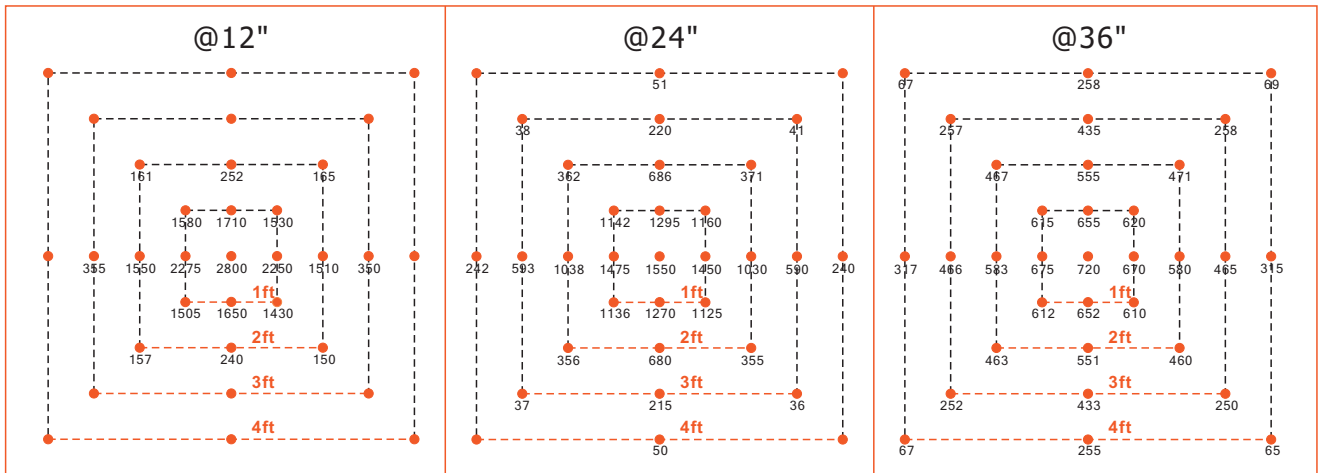
In 1972, McCree defined his "action spectrum" which is commonly used as a reference spectrum for photosynthesis.

Pioneer LED's Spectrum perfectly not only match the McCREEs ACTION SPECTRUM, but also enhance Blue peaks and Red 630nm & 660nm peaks, this spectrum has been proved to be the best spectrum for a grow light.

Measuring Instrument:  
Lighting Passport Spectrometer  
Spectrum Genius Agricultural Lighting (SGAL)



## PIONEER 6 PPFD ( $\mu \cdot \text{mol}/\text{m}^2 \cdot \text{s}$ )



## Use Instructions

- Designed for indoor use only, do not place near any fogger/mister or in ambient rooms with greater than 80% humidity
- Put the lights in a fixed position, ensure lamps and top 1" distance, can not block the vents. this will ensure ample airflow for maximum heat dispersion.
- Use with a properly grounded outlet only.
- For primary lighting, position the light 10"-20" from the top of the canopy. Ideal positioning will vary depending upon plant size, strain and species. Supplemental lighting solutions can be used such as a T5 or HPS and would be ideal at 15"-25" from the canopy.
- Do not stare directly at the LED diodes when unit is powered without proper protection.