

Waveform Lighting's PhotonPanel is an innovative LED grow light panel that utilizes an array of 560x premium LEDs in a 1'x2' footprint, providing high intensity light for a wide range of horticultural applications. The common footprint size, along with its very thin profile, allows for versatile integration into vertical shelving units or grow tents.

Color options include full spectrum 94 CRI 4000K white, or a chlorophyll-optimized spectrum featuring RedBoost red phosphor technology. Both options feature high PPFD values, providing up to 30 DLI at 6" and 16 hours per day.

The PhotonPanel can be mounted or hung using the provided accessories. A DC 24V power supply (sold separately) is required for operation.

**FEATURES**

- 1' x 2' LED panel for horticultural applications
- 108W power consumption per panel
- Available in full spectrum 4000K or RedBoost
- Designed for vertical farm and grow tent applications
- Mount or hang using supplied accessories
- 4.5A power draw at 24V DC
- Aluminum-core PCB for excellent thermal dissipation and long-term reliability
- Versatile rectangular form factor measures 11 inches x 22 inches (280 mm x 560 mm)
- Daisy chain capability of up to 4 panels
- High-reflectance pure white soldermask for improved system efficacy



**PHOTOMETRIC SPECIFICATIONS**

<b>4000K Light Output:</b>	12,500 lumens / 223 μmol	<b>4000K PPFD @ 6"</b>	664 μmol/m <sup>2</sup> /s
<b>RedBoost Light Output:</b>	2,805 lumens / 171 μmol	<b>4000K PPFD @ 12"</b>	334 μmol/m <sup>2</sup> /s
<b>4000K Color:</b>	4000K CCT White (94 CRI)	<b>RedBoost PPFD @ 6"</b>	514 μmol/m <sup>2</sup> /s
<b>RedBoost Color:</b>	450 nm + 650 nm red phosphor	<b>RedBoost PPFD @ 12"</b>	256 μmol/m <sup>2</sup> /s
<b>Light distribution:</b>	120 degrees	<b>Lifetime (L70):</b>	50,000 hours

**ELECTRICAL SPECIFICATIONS**

<b>Input type:</b>	Constant Voltage
<b>Input voltage:</b>	24V DC
<b>Current draw:</b>	4.5A @ 24V DC
<b>Power draw:</b>	108W @ 24V DC
<b>Max daisy chain:</b>	4 PCS
<b>Input type:</b>	Constant Voltage

**MECHANICAL SPECIFICATIONS**

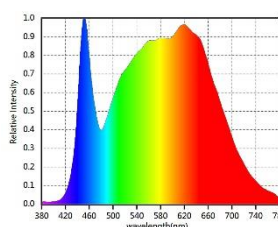
<b>Length:</b>	22.05 in (560 mm)
<b>Width:</b>	11.02 in (280 mm)
<b>Height:</b>	0.08 in (2.0 mm)
<b>Weight:</b>	2.30 lbs (1.05 kg)



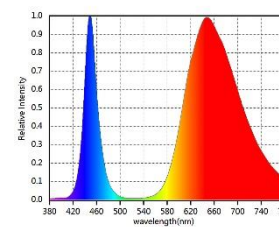
**PART NUMBERS AND ORDERING**

<b>4000K:</b>	2020.40
<b>RedBoost:</b>	2020.RB

**SPECTRAL POWER DISTRIBUTION DATA**



4000K White



RedBoost