



Smart LED Lighting

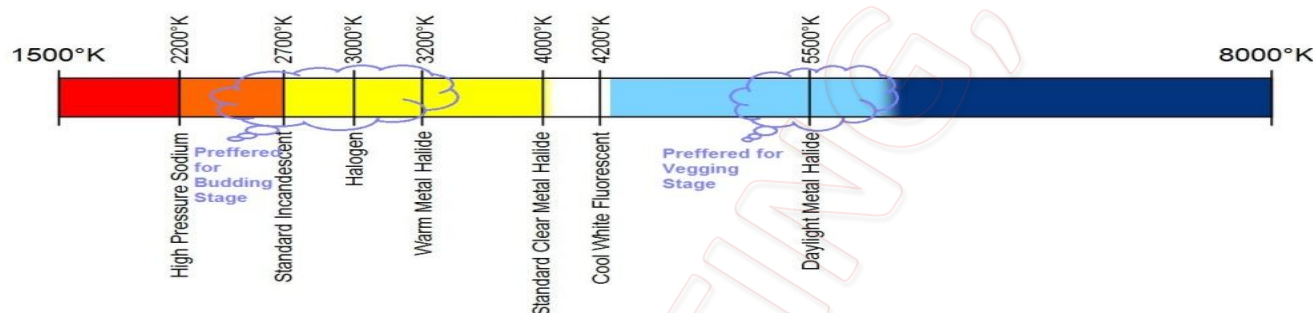


1,000W MH/HPS LED Grow Lights

Ideally Balanced Full Spectrum Hydroponic LED Grow Lights for Vegging & Budding Stages



HydroPro Lite™



Bright, High Lumen, Balanced Full Spectrum LED Light Bulbs:

From Vegging Stage Spectrum – Blue end, 420~550nm to Budding Stage Spectrum – Yellow, Amber, Red end, 550~750nm

- Maintenance Free • High Lumen per Watt •
- 5-Years / 50,000 Hours Warranty (*) •
- Cooler Running – Faster Growth •
- Power Saving • Rugged Design •
- Total PAR ≥ 355 ($\mu\text{mol/s}$) •



Model "HBL-150W"



Model "CL-250W"



Model	Product	Size	Power	Flux	Equivalent
CL-250W12-BFS-E39	Hydroponic LED Grow Light 250W 360° Bal. Full Spectrum	Ø5½" X L 14½"	250W Typical	25,000 Lumen	1,000W MH/HPS Combo
HBL-150W-BFS-E39 *Available Q4, 215	Hydroponic LED Grow Light 150W 120° Bal. Full Spectrum	Ø9½ x L 7¼"	150W Typical	15,000 Lumen	1,000W MH/HPS Combo

- 120-277Vac ~50/60Hz • P.F. > 0.9 • Mogul (E39/E40) Lamp Base • ~100 lm/W •
- (*) Rated Life 50,000 Hrs. ($L_{70} B_{50}$) at $T_{[A]}$ 25°C Max. • Balanced Full Spectrum 420~750nm $\pm 10\%$ • CRI > 70 •



Smart LED Lighting



HydroProLife™

Hydroponic LED Grow Lights

LED Replacement for 1,000W MH/HPS Lamps

Balanced Full Spectrum, designed for Vegging & Budding Stages!



Plants grown under an OLYMPIA 250W BFS LED Grow Light in a Hood



Plants grown under OLYMPIA 250W BFS LED Grow Lights



Plants grown under T5 6500K Florescent

- 75% or greater Energy Savings • Runs Cooler – Plants can grow closer to Lamp •
- 20~30% Greater Vegetative Growth • Fuller & Darker Leaves • Higher Potency •



Smart LED Lighting



HydroProLife™

Hydroponic LED Grow Lights

LED Replacement for 1,000W MH/HPS Lamps

Formally Tested to a Total PAR of 355.17 ($\mu\text{mol/s}$)



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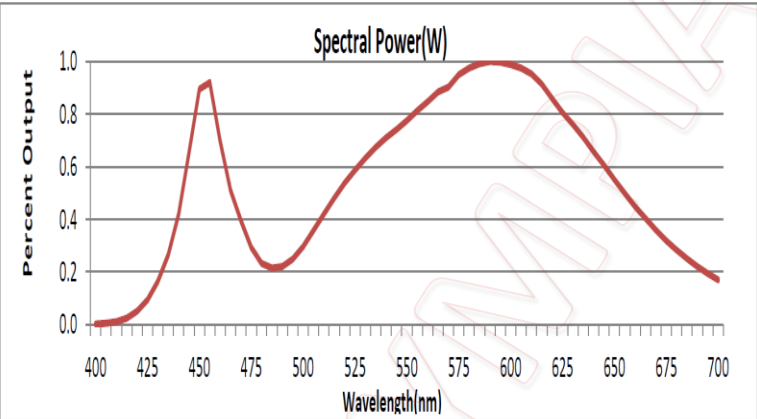
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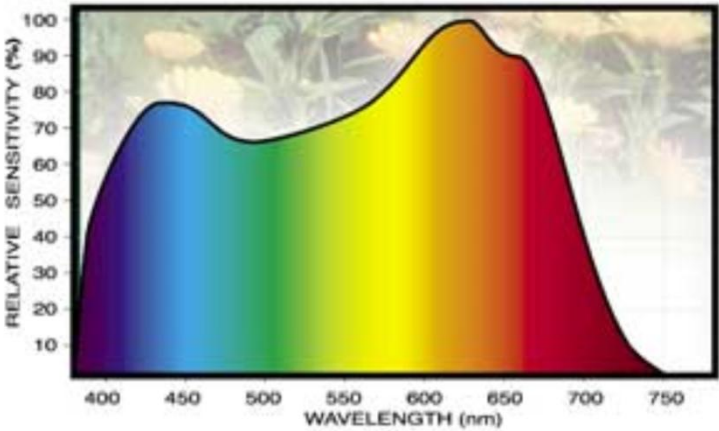


Test Summary	
Manufacturer:	Olympia Lighting, inc.
Model Number:	CL-250W12-BFS-E39
Driver Model Number:	N/A
Total PAR ($\mu\text{mol/s}$)	355.17 ✓
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	2.08
Input Power (W):	248.39 ✓
Input Power Factor:	0.99
Current ATHD @ 120V(%)	8%
Current ATHD @ 277V(%)	N/A
Ambient Temperature ($^{\circ}\text{C}$):	25.0
Stabilization Time (Hours):	0:30
Total Operating Time (Hours):	0:35
Off State Power(W):	0.00

**OLYMPIA 250W BFS LED Grow Light is ideally matched to
Plant's Photosynthetic Response Spectrum**



OLYMPIA 250W BFS LED Measured Spectrum



Plant's Photosynthetic Response Spectrum

- Meet or Exceed 1,000W MH & HPS Lamp's Typical PAR of 315 ●
- Effective "Vegging" Spectrum 425~475nm and "Budding" Spectrum 550~650nm ●