



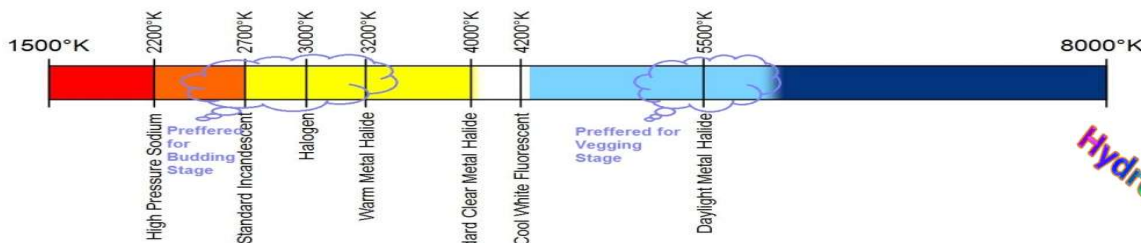
Smart LED Lighting



250W & 300W LED *Grow* Lights

Replacement for 1,000W MH/HPS

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



HydroProLite™

Bright, High Lumen, Balanced Full Spectrum LED Light Bulbs:
From Vegging Stage Spectrum – Blue end; 420~550nm to
Budding Stage Spectrum – Yellow, Amber, Red; 550~750nm

High PAR Value:

250W @ Total PAR ≥ 355 ($\mu\text{mol/s}$)

300W @ Total PAR ≥ 513 ($\mu\text{mol/s}$)

- Ballast By-Pass UL Type B •
- Cooler Running – Faster Growth •
- Power Saving • Maintenance Free •
- 5-Years / 50,000 Hours Warranty (*) •



U.S. Pat. D819,839



Model	Product	Size	Power	Flux	Equivalent
CL-250W12-BFS-E39	Hydroponic LED Grow Light 250W 360° Bal. Full Spectrum	Ø5½" X L 12½"	250W Typical	45,000 Lumen	1,000W MH/HPS Combo
CL-300W12-BFS-E39	Hydroponic LED Grow Light 300W 360° Bal. Full Spectrum	Ø5½" X L 12½"	300W Typical	54,000 Lumen	1,000W MH/HPS Combo

• 120-277Vac ~50/60Hz • P.F. > 0.9 • Mogul (E39/E40) Lamp Base • ~180 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



HydroProLite™

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

250W Hydroponic LED Grow Lights

LED Replacement for 1,000W MH/HPS Lamps

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

HydroProLite™



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Report No: L111501401

Date: 11/11/2015



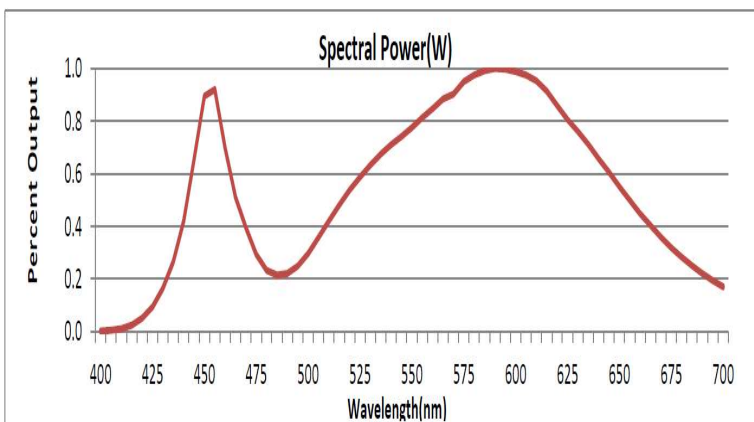
NVLAP LAB CODE 200927-0



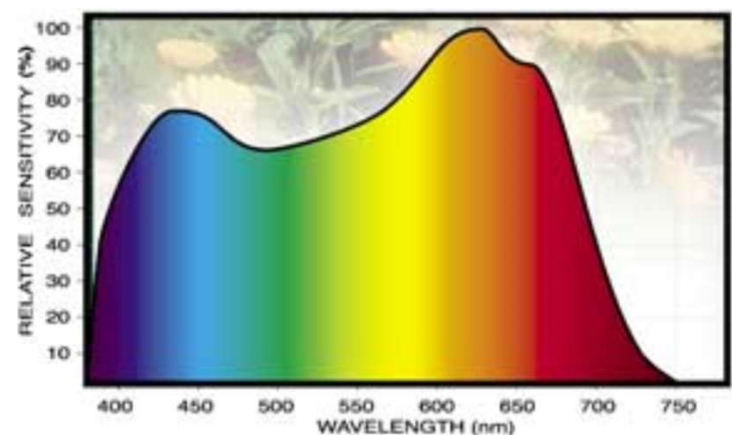
Test Summary

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 the 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 $\mu\text{mol/s}$ •
- Effective "Vegging" Spectrum 425~475nm and "Budding" Spectrum 550~650nm •



Smart LED Lighting

300W Hydroponic LED Grow Lights

LED Replacement for 1,000W MH/HPS Lamps

Formally Tested to a Total PAR of 513.75 ($\mu\text{mol/s}$)

HydroProLite™



LIGHT LABORATORY INC.
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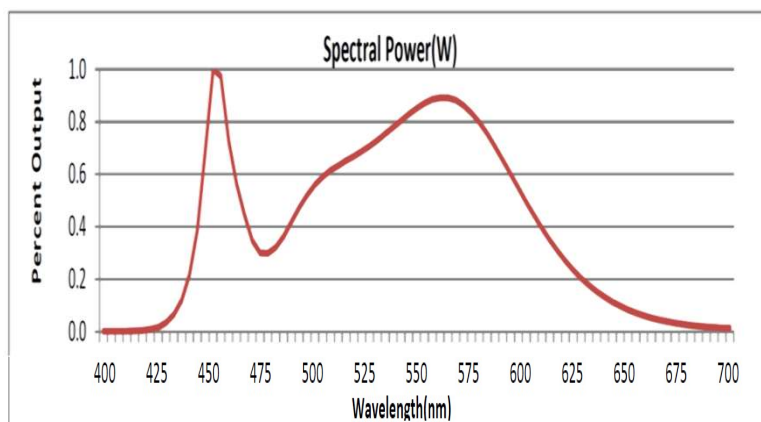
Report No: L101603101
Date: 10/19/2016

NVLAP
NVLAP LAB CODE 200927-0

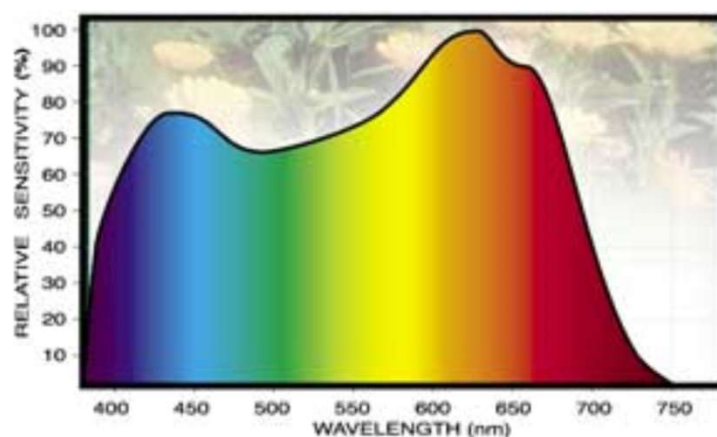


Test Summary	
Manufacturer:	Olympia Lighting, Inc.
Model Number:	CL-300W12-BFS-E39
Driver Model Number:	N/A
Total PPF ($\mu\text{mol/s}$):	513.75 ✓
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	2.42
Input Power (W):	285.72 ✓
Input Power Factor:	0.98
Current ATHD @ 120V(%):	5%
Current ATHD @ 277V(%):	N/A
Ambient Temperature ($^{\circ}\text{C}$):	25.0
Stabilization Time (Hours):	1:05
Total Operating Time (Hours):	1:15
Off State Power(W):	0.00

OLYMPIA 300W BFS LED Grow Light is Ideally Matched to the Plant's Photosynthetic Response Spectrum



OLYMPIA 300W BFS LED Measured Spectrum



Plant's Photosynthetic Response Spectrum

- 60% Higher PAR Value than 1,000W MH & HPS Lamp's Typical PAR of 315 $\mu\text{mol/s}$ •
- Effective "Vegging" Spectrum 425~475nm and "Budding" Spectrum 550~650nm •