

VARIUS LED Series

90W Blue Spectrum LED Linear Grow Light

FEATURES

- Broad spectrum white LED with enhanced blue spectral performance ideal for clone, mother and vegetative cycles
- Listed to UL8800
- Over 77% of light intensity concentrated within a 120 degree beam angle
- Low-profile design combined with unique magnet mounting is a perfect solution for horticultural rack systems
- LED light bar is IP65 rated and the driver is IP67 rated
- 90W of energy consumption, 0.75A draw @ 120VAC
- Modular design ensures even light distribution across the plant canopy optimizing uniformity in vegetating plants
- Compatible with seismic bracing systems

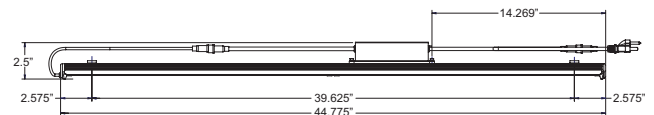
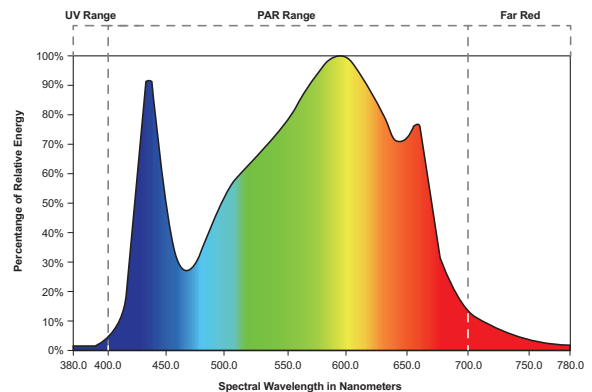


SPECIFICATIONS

Number of Bars	Single Bar*	8 Bars**
PPF (400-700nm) $\mu\text{mol/s}$	181	1,480
PPF Efficacy (400-700nm) $\mu\text{mol/J}$	2.01	
Lumens	11,950	95,600
CRI	≥ 87	
Mounting Height	12" to 36"	
Coverage Area	Up to 1' x 4' (4 sq ft)	Up to 4' x 8' (32 sq ft)
Power Consumption	90W	720W
Input Voltage	120-277 VAC	
Amps @ 120V	0.75A	6.0A
Amps @ 240V	0.38A	3.0A
Amps @ 277V	0.33A	2.7A
Operating Frequency	50/60	
Operating Temperature	-20°C to 40°C (-4°F to 104°F)	
Dimming	1-10V	
IP Rating	IP65 (Bar), IP67 (Driver)	
Power Factor (PF)	$\geq .99$	
Lifetime Rating (L70)	50,000 hrs @ 55°C	
Certifications	ETL / UL8800	

* Single Bar mounted 18" above canopy.

** Typical Veg Application with eight (8) AG90-B bars spaced 6" apart and mounted 24" above canopy.



WEIGHTS

Model	Unit	Packaged Weight
AG90-B-001	4.5 lbs (2.0kgs)	6.0 lbs (2.7kgs)

ORDERING INFORMATION

Example: AG90-B-001

Series/Configuration	Description
AG90-B-001	LED Light Bar, Blue Veg Spectrum, 90W, 120-277VAC Input, 1-10V Dimming, Black Extrusion w/Blue End Caps and Driver Connectors, 120VAC Straight Blade Line Cord
	Accessories *Order as separate
	AG-240-LC = 240VAC Straight-blade (NEMA 6-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness
	AG-277-L-LC = 277VAC Twist-lock (NEMA L7-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness
	AG-8-H = Multi-port, 16AWG, AC Supply Harness for Linking up to Eight (8) Bars

*Consult factory for additional accessories

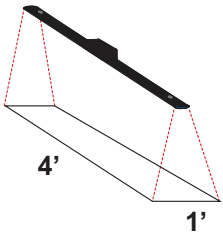


Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.

10790055 12/19 Rev4

**PERFORMANCE 18" ABOVE THE CANOPY
RACK SYSTEM APPLICATION**

SINGLE BAR*

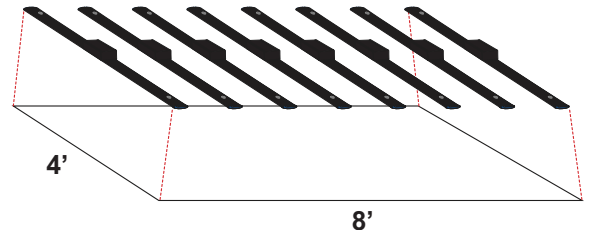


COVERAGE AREA
1' X 4' (4 sq ft)

Number of Bars	Single Bar*	8 Bars**	
Light Uniformity	1.62	2.14	avg/min
Light Uniformity	2.35	3.00	max/min
PPFD Max (400-700nm)	146	454	μmol/m ² /s
PPFD Min (400-700nm)	62	152	μmol/m ² /s
PPFD Avg (400-700nm)	101	325	μmol/m ² /s

* Single Bar mounted 18" above canopy.
** Typical Veg Application with eight (8) AG90-B bars spaced 6" apart and mounted 24" above canopy.

8 BARS**

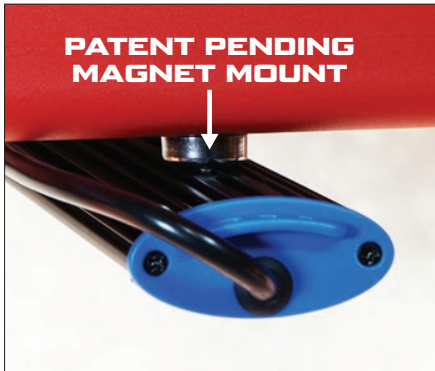


COVERAGE AREA
4' X 8' (32 sq ft)

RACK DETAIL



MAGNET MOUNT



SAFETY CABLE



AG-240-LC



AG-277-L-LC



AG-8-H

