

Project Name:

Type:

Notes:

Catalog No. LED - GRO - 8 - 3 - UNV -

- LG3 -

Features & Specifications

Applications:

Propagating vegetative and flowering plants in:

- Commercial greenhouses
- Growth Chambers
- Vertical farms
- Grow tents

Specification:

- Extruded aluminum construction
- Stainless steel hardware
- Tool-less entry driver channel
- Driver channel located laterally to LED boards to reduce heat and extend life of electronics
- Designed with high efficiency in mind to produce high Photosynthetically Active Radiation (PAR) values with low wattages
- Customizable form factors
- Slim 1.5" profile

Finish:

- LED BARs/driver channels - Clear anodized BriteDip technology for added corrosion resistance
- Encaps - powder-coated (Traffic Purple) (RAL 4006).

Installation:

- Easily accommodates aircraft cables and adjustable rope hangers
- Surface Mount option
- Preinstalled cord (optional)

Electrical:

- 120-277VAC autosensing input voltage.
- 0-10% dimming standard
- Ambient operating temperature Recommended: -25°C to 65.5°C (-13°F to 155°F)
- Tunable drivers and internal circuiting is available for specialized performance and control

LED Life Ratings:

- L70 (30% depreciation) = 90,000 Hours

Warranty:

- 10 year warranty on entire fixture body.
- 5 year warranty on LED drivers and LED boards

Dimensions: 38" x 34" x 1.5"

Weight: 22 lbs.

LUX-LED-BAR

GRO Series

Extreme Efficiency – LED Growlight
Image shown with optional lenses
Cross section shown with optional lenses



Performance: PPF = 968 µMol/S
DLI per 1 hour at 12": Max = 4.867
Avg = 2.33
Min = 0.167

Coverage at 12": 43.3" x 48"

Input Wattage: 552.1W

Radiometric Power: 170.64W

5.22 µmols/sec/radiometric watt

Ordering Information

LED-GRO Series	8 LED-Bars	UNV Voltage	Access	LG3 CS	Options	Options	Options	Options	Options
LED Triple Channel Design	Bars PPF (With Lens)	UNV Universal – Driver 120/277	Top Driver access from the top Standard Bottom Driver access from underside	Color Spectrum: LG3: Far Red: 700-799nm .3% Red: 600-699nm 82.2% Green: 500-599nm 7.4% Blue: 400-499nm 10.2%	Cord C4/10 4-Conductor, White 10' C4/15 4-Conductor, White 15' C5/10 5-Conductor, White 10' C5/15 5-Conductor, White 15'	Plug SB - 120V Straight Blade TL# - Twist-Lock Plug NEMA LP# please provide NEMA LP number with this option	Mounting H2-16Y 2'-16' adjustable Y-fit hook (24" Y/15') H5-20Y 5'-20' adjustable Y-fit hook (60" Y/15') SM - Surface Mount	Lens LADC-2' - Lens Acrylic Diffused Clear	Wire Guards Consult Factory
4' x 4' footprint	4 - 484 6 - 726 8 - 968								Lens Door Frame Consult Factory
									Custom Colors CC(RAL4006) - Traffic Purple - Standard CC(RAL####) - custom color choice or CC(color name)

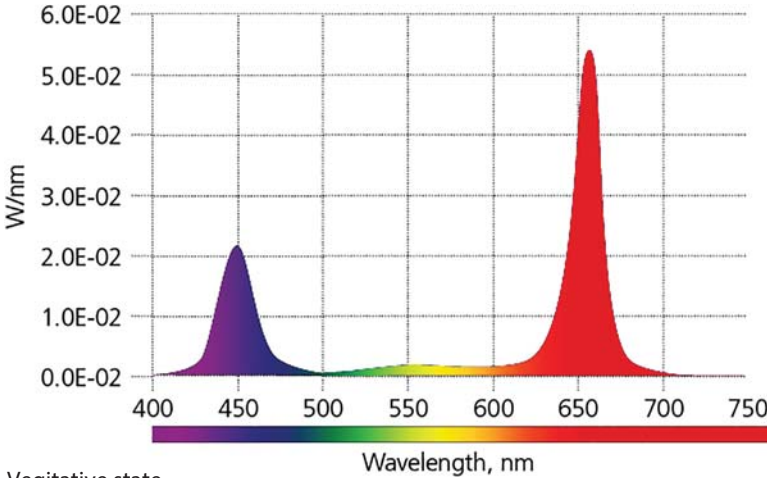
Other configurations available.
Contact factory for details.



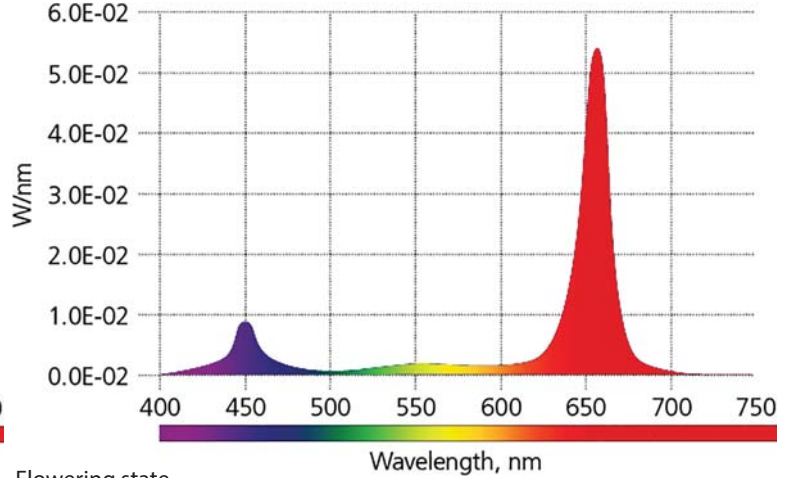
Photometrics and Chromaticity

LG3 Spectrum

The LG3 spectrum was specifically designed to bring plants all the way through their vegetative and flowering stages with our scientifically designed adjustable red light/blue light spectrum that allows the user to hold plants in vegetative growth with 3:1 ratio of red to blue, and induce flowering with 5:1 ratios.



Vegetative state
Input Wattage - 302W



Flowering state
Input Wattage - 552W

