

## RedBird LED Purple-Haze™ Horticultural Luminaire Model HL-190W-PH-DIM

### SPECIFICATIONS

#### Mechanical

- Massive Extruded aluminum housing and LED Bars For Exceptional Thermal management. All Junctions sealed with Silicone Gasketing
- Crystal clear polycarbonate lens
- Billet aluminum end caps, all Hardware Stainless Steel
- 8' grounded three prong power cable
- Aircraft cable hanger mounting, Griplok leveling system
- Clear Polycarbonate lens to protect the LEDs

#### Electrical

- Input voltage 120 to 277 VAC; 50-60 Hz
- Power Factor > 0.998 @ 120 VAC, > 0.976 @ 277 VAC
- THD 5.1% @ 120 VAC, 8.5% @ 277 VAC
- Philips Xitanium Simple-Set LED Driver  
172 watts ; 1.44 A @ 120 VAC 0.626 A @ 277 VAC
- 0-10 Volt Dimming Control



#### LEDs

- Luxeon SunPlus 3535 SMD Package; **L1SP-PRP2003500000**;
- **Purple (12.5% Blue) ; 140 degree beam angle**
- **PPF in the blue spectrum (420-480 nm) is 12.5% of total PPF**
- 144 LEDs per AL core PCB, Swage-locked into AL Extrusion

#### Performance

- **467 PPF**
- **Industries Highest Efficacy System at= 2.69 μmol/j**
- LED life of > 1,000,000 hours @ 65 °C

#### Thermal

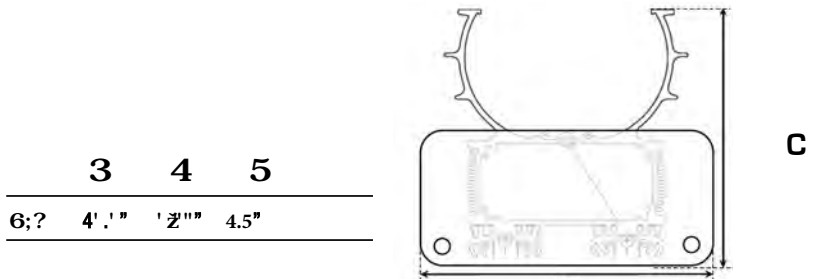
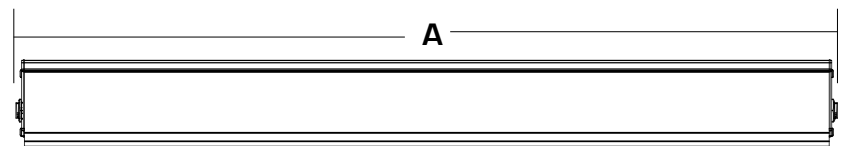
- Operating Range -40°C to 105°C
- Listed to UL 1598 C standard for light fixtures.
- **IP-65 Compliant**

#### Warranty

- Ten years full replacement or repair

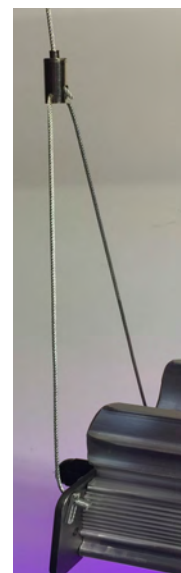
HORTICULTURAL LAMP Full PAR Spectrum Phosphor Converted LEDs

Model.# : >Ǻ90I ǺHǺB;?



Silicone End-Plugs with Poured in place Sealant on each Light Bar

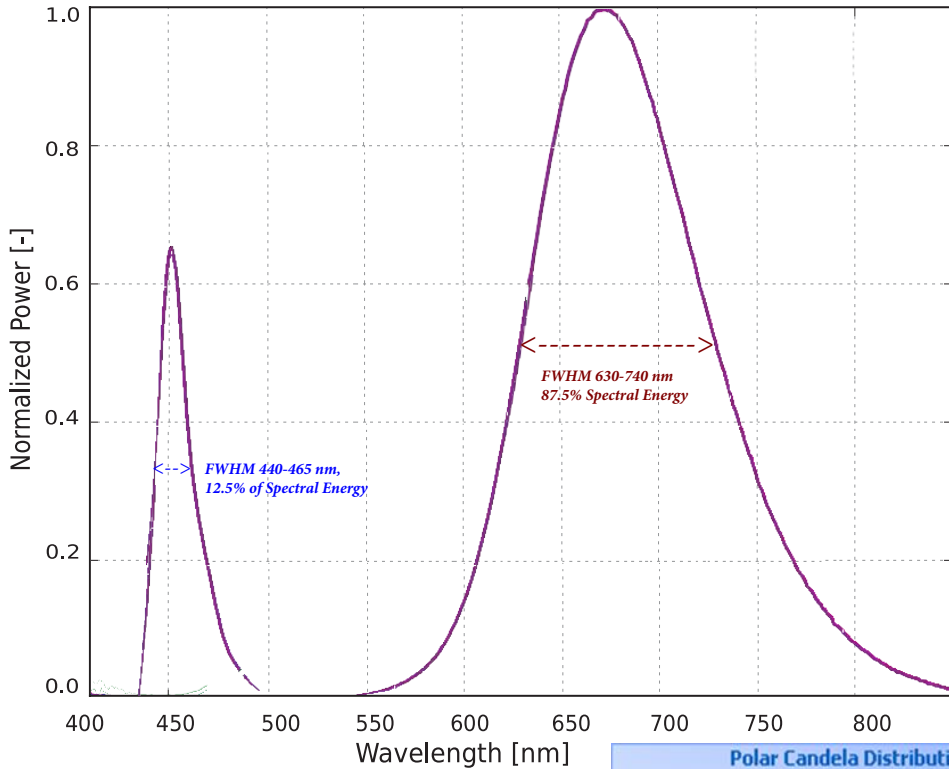
Each LED strip comprises SMD LEDs on AL core PCB, Swage-locked into custom AL Extrusion



Gland-Nut Provides access to 0-10V Dim Control

Grip-LOK, self leveling Cable Hanger Mounting Kit for Quick install and fast adjustment in lamp Height

High Efficacy Purple-Haze™ LED with Phosphor converted **Deep RED output**; RED band does not degrade with time or heat; Maintains same spectral power density under all conditions. Broad RED Spectral FWHM from 630-740 nm, hits all plant specific photo-sensitive ranges.



### 57° FIXTURE BEAM ANGLE

