



### APPLICATIONS > The CULTIV-1™ GROW LIGHT.

Full spectrum, LED Grow Light suitable for wet location, indoor greenhouse, utility, factory and industrial applications. This modular, 2-foot luminaire design allows for on-the-spot array configuration and row implementation. Designed for both new construction and retrofit, replacing inefficient High Output fluorescents. Suitable as supplemental or sole source lighting based on spectrum selection below.

### LED > Tailored LED spectrum options geared toward specific growth strategies.

- T1FS:** Full Spectrum + Red 660nm + Red 730nm
- T2BR:** Blue 450nm + Red 660nm + Red 730nm
- T3PA:** Broad PAR + Red 660nm
- T4PR:** Broad PAR + Red 660nm + Red 730nm

### PHOTON EFFICACY> 2.6 μmol/J.

PAR is the wavelengths of light that drive photosynthesis. Photon Efficacy refers to how efficient a horticulture lighting system is at converting electrical energy (Watts) into photons of PAR. PPF is Photosynthetic Photon Flux, an important metric for measuring the total amount of PAR produced each second by a horticultural lighting system.

- 45W:** 45W x 2.6 = 117 PPF
- 75W:** 75W x 2.6 = 195 PPF
- 125W:** 125W x 2.6 = 325 PPF
- CW:** Custom available.

**CONSTRUCTION >** Low-profile, light-weight aluminum housing for ease of installation. Tempered glass lens. All electrical components are installed, wired and 100% tested prior to shipping.

**MOUNTING >** Choose surface mount bracket or suspension via chain or aircraft cable. Continuous end-to-end runs are easy-to-install with our modular 2-foot system and supplied connectors. Remote driver up to 30ft. Contact factory for custom condition.

**FINISH >** 5-stage pre-treatment process with a polymer primer sealer, oven baked and top-coated with thermoset super TGIC polyester powdercoat finish. Finish is rated to meet the AAMA 605.2 performance specification which includes passing a 3000hr salt spray test for corrosion resistance.

**RATED >** UL. CSA. Wet Location.

**WARRANTY >** 3 years total system warranty. Warranty for LED board components is 10 years, *excluding driver*. Driver is covered by the driver manufacturer's warranty.

Type: Qty: Project:

### CV1- CULTIV-1 Grow Light Series

#### Size (nominal length)

2 2ft modular system

#### Color Spectrum

T1FS Type 1 - Full Spectrum  
 T2BR Type 2 - Red/Blue  
 T3PA Type 3 - Broad PAR  
 T4PR Type 4 - Broad PAR + Red  
 CC Custom Spectrum

#### Output

45W 45 watts / 117 PPF  
 75W 75 watts / 195 PPF  
 125W 125 watts / 325 PPF  
 CW Custom wattage - contact factory

#### Voltage

U 120V-277V

#### Mounting

MB Surface Mount Bracket  
 CH Suspended via Chain  
 AR Suspended via Aircraft Cable  
 CM Custom Mount (consult factory)

#### Housing Color

AL Natural Aluminum  
 BK Black  
 WH White  
 CC Custom RAL color (consult factory)

#### Power Cord

NP No power cord - open leads  
 P Power Cord  
 CP Custom power cord

