

# T8 HO 3FT LED GROW LAMP



**14W LED**

**30W FLUORESCENT**  
REPLACEMENT



## Energy Saving & Lower Heat

Uses 55% less energy than 30W 3FT T12 fluorescent lamps and bypasses the ballast to save even more energy, greatly reducing overall heat output.



## Red Bloom Spectrum

Far-Red wavelengths boost light absorption, speed up plant growth and combine with Blue wavelengths to promote root development, budding and fruiting.



## Bypass Installation

Installation requires bypassing the existing ballast and rewiring to a single end. Removing the ballast eliminates buzzing, flickering, compatibility and longevity issues.



## High PBAR Output & Efficacy

Ideal for use in commercial or home grow hydroponic applications for flowers, fruits, vegetables, germination and cloning.



## Wide Light Distribution

Evenly diffused 190° light distribution and a low operating temperature allow the lamps to be placed closer to plants to save space in vertical environments.



## Extra-Long Lifetime & Guarantee

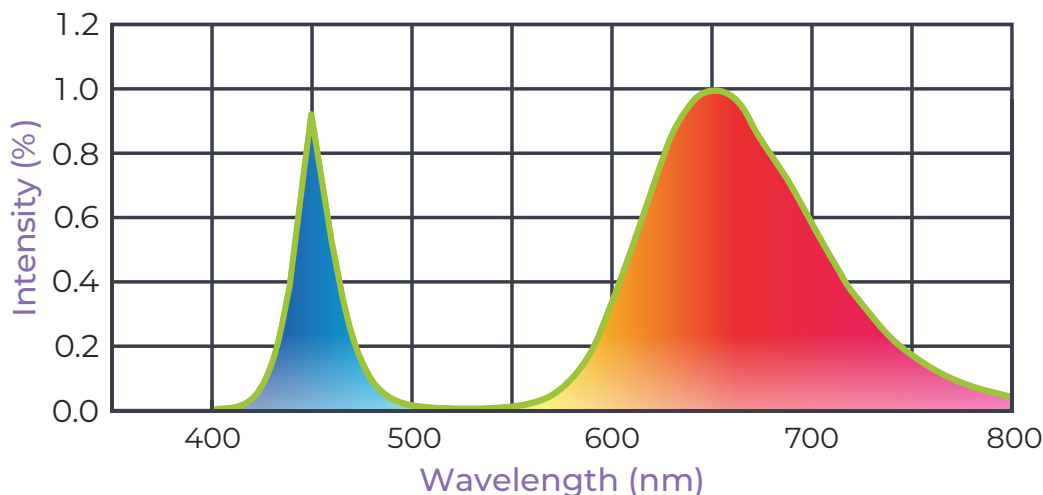
Features an exceptional 30,000-hour lifetime and a 3-year warranty.

## Active Grow Red Bloom Spectrum Formula

### PBAR Range (280-800 nm)

Plant Biologically Active Radiation

UV 280-400 nm	Blue 400-500 nm	Green 500-600 nm	Red 600-700 nm	Far-Red 700-750 nm	Infrared 750-800 nm
0%	17%	4%	63%	13%	3%



### Blue 400-500 nm

Improves overall plant health and quality including taste, aroma, color and nutrition. Helps promote plant compactness and root development.

### Green 500-600 nm

Increases overall plant photosynthetic efficiency and penetrates the canopy to encourage growth of lower leaves. Makes detecting issues like pests and disease on plants easier to see.

### Red 600-700 nm

Promotes plant photosynthesis and increased biomass. Essential for leaf expansion and stem growth. Helps regulate plant flowering, photoperiod and germination.

### FR/IR 700-800 nm

Promotes expansion and stretching of leaves and stems. Penetrates the canopy to encourage growth of lower leaves. When used with 660-680 nm wavelengths, plant photosynthesis rates increase via the Emerson effect.

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SPECIFICATIONS*		T8 HO 3FT LED GROW LAMP
Model number		AG/14T8BB/3FT/RS
Base		G13
Power		14 watts
Input voltage		120-277V 50-60Hz
Rated power factor		>95%
PPF output (400-700 nm)		23 $\mu\text{mol/s}$
PBAR output (280-800 nm)		27 $\mu\text{mol/s}$
PPF efficacy		1.64 $\mu\text{mol/J}$
PBAR efficacy		1.93 $\mu\text{mol/J}$
Spectrum		Red Bloom Spectrum
Dimensions		35.79"x1.10"x1.10" (909x28x28mm)
Weight		0.39 lbs (178 g)
Dimmable		No
Lifetime		30,000 hours
Warranty		3 years

\* T8 fixture requires non-shunted lamp holders (tombstones).

AG-14T8BB-3FT-RS-DS-1112322