

# T5 HO BALLAST BYPASS 4FT LED GROW LAMP



**25W LED**

**54W FLUORESCENT**  
REPLACEMENT



## Bypass Installation

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



## Energy Saving & Lower Heat

Uses 60% less energy than 54W T5 HO 4FT fluorescent lamps, greatly reducing heat output and the need for more vertical space.



## Bright White Spectrum

Designed for maximum PAR (400-700 nm) efficacy, this full-spectrum light is formulated for high light intensity requirement plants during the vegetative stage.



## High PAR Output & Efficacy

Ideal for use in commercial or home grow hydroponic applications for leafy greens, high-canopy plants and tropical plants.



## Shatterproof Design

The lamp's transparent PC body protects against water damage and shattering without sacrificing photon output.



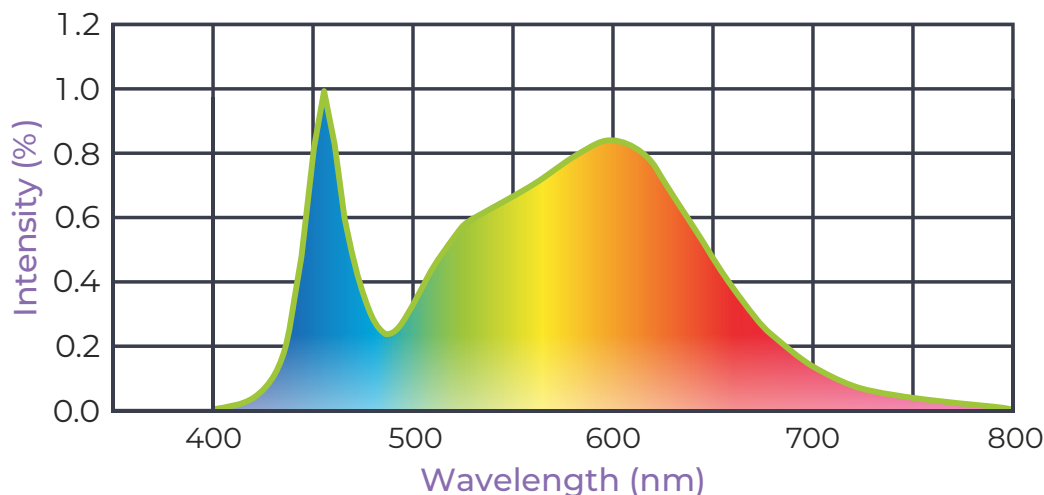
## Extra-Long Lifetime & Guarantee

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

## Active Grow Bright White 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%	21%	45%	32%	2%	0%



#### 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.

#### Far-Red 700-750 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*		T5 HO BALLAST BYPASS 4FT LED GROW LAMP
Model number		AG/25T5HOBB/4FT/BS
Base		G5
Power		25 watts
Input voltage		120-277V 50-60Hz
Rated power factor		>95%
PPF output (400-700 nm)		53 $\mu\text{mol/s}$
PBAR output (280-800 nm)		54 $\mu\text{mol/s}$
PPF efficacy		2.12 $\mu\text{mol/J}$
PBAR efficacy		2.16 $\mu\text{mol/J}$
Spectrum		Bright White Spectrum
CRI		82 (typical)
Dimensions		45.63"x0.75"x0.75" (1159x19x19mm)
Weight		0.4 lbs (181 g)
Dimmable		No
Lifetime		30,000 hours
Warranty		3 years

\* T5 fixture requires non-shunted lamp holders (tombstones).

AG-25T5HOBB-4FT-BS-DS-112322