

T8 HO 4FT LED GROW LAMP



22W LED

40W FLUORESCENT
REPLACEMENT



Energy Saving & Lower Heat

Uses 45% less energy than 40W 4FT T12 fluorescent lamps and bypasses the ballast to save even more energy, greatly reducing overall heat output.



Sun White Spectrum

High CRI 95 full-spectrum light accentuates plant colors, making visual inspection easier. Includes additional Red and Far-Red wavelengths to boost photosynthesis rates.



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 full-cycle plant growth of microgreens, leafy greens, flowers, vegetables and medicinal plants.



ClearSync Shatterproof Technology

The lamp's ClearSync protective film improves water resistance and prevents glass shattering without sacrificing photon output.



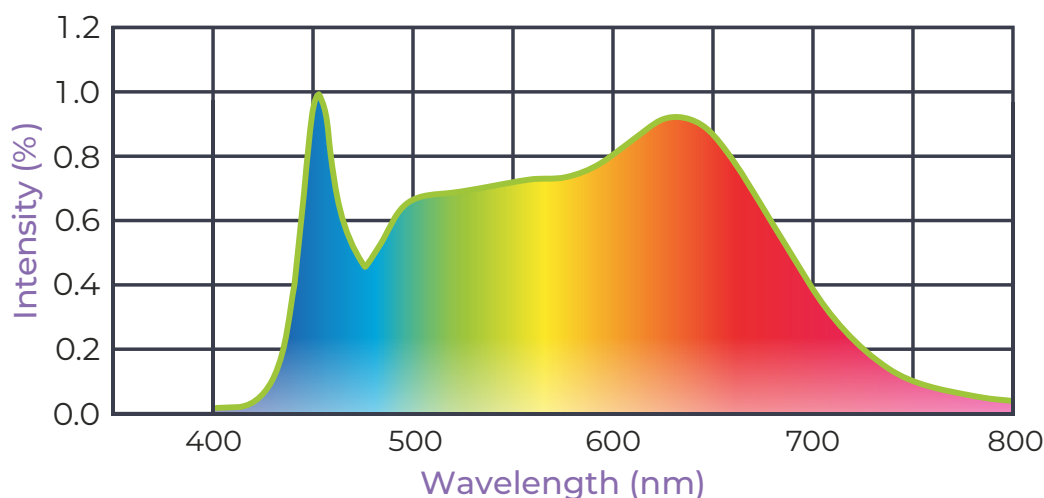
Extra-Long Lifetime & Guarantee

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

Active Grow Sun 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%	19%	36%	38%	6%	1%



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 4FT LED GROW LAMP
Model number		AG/22T8BB/4FT/WS
Base		G13
Power		22 watts
Input voltage		120-277V 50-60Hz
Rated power factor		>95%
PPF output (400-700 nm)		41 $\mu\text{mol/s}$
PBAR output (280-800 nm)		44 $\mu\text{mol/s}$
PPF efficacy		1.86 $\mu\text{mol/J}$
PBAR efficacy		2 $\mu\text{mol/J}$
Spectrum		Sun White Spectrum
CRI		95 (typical)
Dimensions		47"x1.02"x1.02" (1194x26x26mm)
Weight		0.40 lbs (181 g)
Dimmable		No
Lifetime		30,000 hours
Warranty		3 years

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

AG-22T8BB-4FT-WS-DS-112322