T5 HO LED LAMPS VS. T5 HO FLUORESCENT LAMPS

These tests were taken to compare Active Grow T5 24W H0 4FT LED Horticultural Lamps and T5 HO 54W 4FT fluorescent lamps in an 8 tube T5 HO fixture. The test focuses on three main areas: Energy Consumption, Spectral Analysis & PPFD coverage.

ENERGY CONSUMPTION

T5 54W HO FLUORESCENT LAMPS

Active Grow T5 24W HO LED LAMPS

120V / 391 WATTS / 3.51 AMPS

120V / 215 WATTS / 1.96 AMPS

176 WATTS SAVED OR 45% ENERGY SAVINGS

SPECTRAL ANALYSIS

Traditional Fluorescent Spectrum

Active Grow Sun White Spectrum

Active Grow Red Bloom Spectrum

4’ x 4’ PPFD COVERAGE FOR T5 HO 8-TUBE FIXTURE

T5 54W HO FLUORESCENT LAMPS

24” above the plant canopy

ACTIVE GROW T5 24W HO LED LAMPS

24” above the plant canopy

*PPFD calculations do not include reflective surroundings or adjacent lights.