

## **Top Shelf Lighting X Grower's Choice PFS SERIES-40W System, 4 Unit Combo**

SKU:TSL40WPFS01

**MSRP: \$460 (pack of 4)**

Horti Tech X Grower's Choice PFS grow lights ultra-low profile at only 1.5 inches thin, are especially created for dense vertical commercial farming where every inch of your indoor cultivation matters. Achieve 60% energy savings over 5 years. Stack layers from floor to ceiling of leafy greens, micro-greens, and culinary herbs with maximum efficiency at near-ZERO radiant heat with outputs as high as 2.5  $\mu\text{mol}/\text{J}$ . Ideal for propagation of vegetable and ornamental crops including cloning/seedling beds with the lowest photosynthetic photon flux density. Offers a perfect replacement for bulky traditional T5 fluorescent lamps. Ultra-lite design is stress-free in weight increasing harvest space for higher, quality yields for a positive impact on your bottom line.

### **Features:**

Balanced spectrum, Incorporating Grower's Choice famous 3K CMH Full Phase Spectrum for superior growing power with best possible LED diodes available.

### **Energy Saving & Easy HVAC:**

Up to 60% energy savings. 60% less HVAC requirement.

### **Full Spectrum**

The specially deployed full spectrum fills the negligence of the main photoreceptors and pigments outside the 660nm and 450nm range, and it is suitable for reproduction to aging in indoor environments. The overall color temperature of FSM's full spectrum is controlled at 3000-3300K, which increases the radiant energy of red light at 660nm wavelength in white light. It provides a beautiful working environment and a more realistic color reproduction degree at a CRI level of 85.

### **PPF Calculations:**

PPF calculations complied using our in-house integrating sphere measurements & typical spectroradiometer data for each LED to determine the fixture performance. Actual photometric results may vary within the LED's manufacturer's bin tolerance.

### **Wattage Values:**

Wattage values are typical expected values. TSL Horti Tech maintains a tolerance of +/- 10% range on flux & power consumption. Target light level can vary from projected levels depending on ambient temperature, room reflections values, & other conditions.

**Technical Specifications:**

Light Source.....	LED
Spectrum.....	GC-3K Full Phase
PPF.....	100 µmol/s
Input Power.....	40Watts
Efficacy.....	2.5 µmol/s
Fixture & Dimensions.....	47.2x5.1x1.5
inches   2.2lbs	1199x130x38 mm   1.0kg
Mounting height.....	≥6" (15.2cm) Above Canopy
Thermal Management.....	Passive
Light Distribution.....	120°
Life Time.....	L90: >54,000 hrs
Power Factor.....	>90%
Certifications.....	IP65, ETL, CE
Warranty.....	3Years Standard