GROWER'S CHOICE
HORTICULTURAL LIGHTING

Model _____ Date _____

Job Name _____ Type _____

PFS Series LED Panel

At only 1.5" (38 mm) thin, the Grower's Choice PFS Series ultra-low-profile LED panel is purpose-built for dense, multi-tier commercial vertical farming, where every inch of cultivation space matters. Stack tiers from floor to ceiling with leafy greens, microgreens, and culinary herbs, with near-zero radiant heat at the canopy and an efficacy of 2.5 µmol/J.

The PFS is also ideal for propagation of medicinal, vegetable, and ornamental crops, including clone and seedling beds, delivering the photosynthetic photon flux density needed for compact, dense vegetative growth.

Features

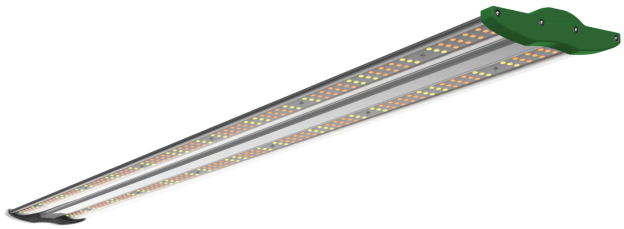
- Ultra-low 1.5" profile for multi-tier racks
- GC-3K full-phase spectrum, modeled on Grower's Choice's 3K CMH full-phase spectrum, using premium LED diodes
- 100 µmol/s per panel at 2.5 µmol/J
- Passive cooling, no moving parts
- Surface (clip) or pendant mounting
- IP65 rated · ETL

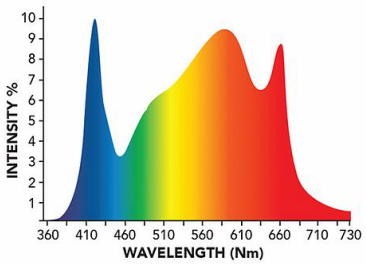
Energy Savings and Easier HVAC

Up to 60% energy savings and up to 60% lower HVAC requirement compared with conventional lighting.



Ceiling- and rack-mounted PFS installations





GC-3K Full Phase spectrum

Grower's Choice PFS (Single Panel)	
Light Source	LED
Spectrum	GC-3K Full Phase
PPF	100 µmol/s
Input Power	40 W
Efficacy (PPE)	2.5 µmol/J
Dimensions (L×W×H)	47.2" × 5.1" × 1.5" (1199 × 130 × 38 mm)
Weight	2.2 lbs (1.0 kg)
Mounting Height	≥6" (15 cm) above canopy
Thermal Mgmt.	Passive
Light Distribution	120°
Lifetime	L90 >54,000 hrs
Power Factor	>0.90
Ingress Rating	IP65
Certifications	ETL
Warranty	3-year standard warranty

Max. Amperage by Voltage Service @ 40 W				
Voltage	120V	208V	240V	277V
Amperage	0.345A	0.197A	0.173A	0.154A

PPF values are calculated from in-house integrating-sphere measurements and typical spectroradiometric data for each LED; actual results may vary within the LED manufacturer's bin tolerance. Wattage values are typical; Grower's Choice maintains a ±10% tolerance on photon flux and power consumption. Actual light levels may vary with ambient temperature, room reflectance, and other conditions.

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