GROWER'S CHOICE
HORTICULTURAL LIGHTING

Model _____ Date _____

Job Name _____ Type _____

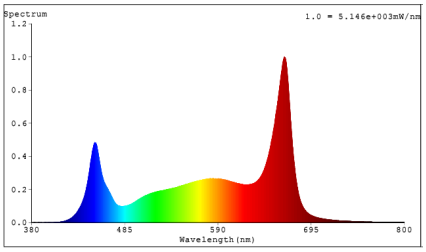
ROI-FF-640 LED Fixture

The Grower's Choice ROI-FF-640 is a high-efficiency, full-spectrum LED fixture engineered for commercial flowering rooms. At 640 W input it delivers 1,920 µmol/s of PPF at an efficacy of 3.0 µmol/J, giving cultivators high-intensity, uniform canopy coverage without relying on excessive red loading.

Built on our GC-3K full-phase spectrum and premium diode and driver technology, the ROI-FF-640 maximizes light output and spectral quality while keeping operating costs low. It supports 0–10 V dimming for integration with commercial lighting controllers, as well as onboard dimming for standalone rooms.



IP65 · DLC · GC-3K Full Phase Spectrum · Onboard Dimming · Controller Compatible



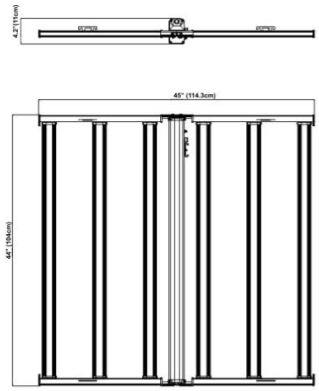
Features

- GC-3K full-phase spectrum
- 0–10 V and onboard dimming
- 100–480 VAC universal input
- IP65 rated for damp locations
- DLC listed · ETL certified
- Lighting controller compatible

Ordering Information

Series	Model	Spectrum
ROI	FF-640	3K – GC-3K Full Phase

AC Plug Type	AC Power Cord	Mounting Hardware
N5P – NEMA 5-15P	01 – 1 ft (9 ft total)	R – Rope ratchets
N6P – NEMA 6-15P	08 – 8 ft (16 ft total)	SO – Special order
L7P – NEMA L7-15P	15 – 15 ft (23 ft total)	
PTP – Pigtail		



Grower's Choice ROI-FF-640	
Light Source	LED
Spectrum	GC-3K Full Phase
PPF	1,920 µmol/s
Input Power	640 W
Efficacy (PPE)	3.0 µmol/J
Dimensions (L × W × H)	45" × 44" × 4.2" (114.3 × 111.8 × 10.7 cm)
Weight	22 lbs (9.9 kg)
Input Voltage	100–480 VAC
Driver Efficiency	~90%
Dimming	0–10 V and onboard dimming (10–100%)
Light Distribution	120°
Max. Ambient Temperature	104°F (40°C)
Power Factor	>0.9
Ingress Rating	IP65
Certifications	ETL, DLC
Lifetime	Q90 >54,000 hrs
Warranty	5-year standard warranty

Nominal Amperage by AC Input Voltage @ 640 W				
Voltage	120V	240V	277V	480V
Amperage	5.55A	2.8A	2.4A	1.4A

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