

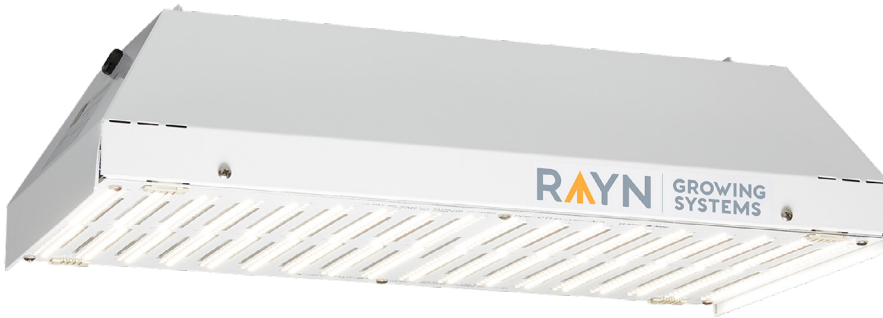
Horticultural Lighting Systems

Type(s)

Project

Date

Notes



GENERAL INFORMATION

Fotono is a full spectrum LED luminaire that directly replaces HPS luminaires in horticultural environments. Fotono fully qualifies for energy rebate programs while delivering instant energy savings, reduced maintenance needs, and advanced capabilities, like multi-spectral control and dimming.

Fotono luminaires feature advanced spectral LED technology in a lightweight, compact design, minimizing structural burden on greenhouses and shading on crops. With high output and stepless dimming from 0 to 100 percent, Fotono prioritizes quality of light for growers.

ORDERING INFORMATION

MODEL	DESCRIPTION
CT141	Fotono luminaire with driver

SPECIFICATIONS

MODEL	$\mu\text{mol/s}$	$\mu\text{mol/J}$	Power (W)
CT141	>1250	2.2	595

PRODUCT FEATURES

- Ideally suited for supplemental lighting as a daylight analog in greenhouse applications
- Industry leading performance
- Replaces a 1000 W DE HPS luminaire
- Patented tunable spectrum
- Natural white light
- Powder coated aluminum housing
- Made in the USA

PHYSICAL AND ELECTRICAL INFORMATION

- Input power: 600 W maximum
- Input voltage/current: 120 V/5 A; 240 V/3 A; 277 V/2.2 A
- Dimensions: 508x254x127 mm (20x10x5 in)
- Weight: 5.5 kg (12 lb)
- Light source: LED
- Efficacy: 2.2 $\mu\text{mol/J}$
- PPF: >1,250 $\mu\text{mol/s}$
- Mounting height: > 915 mm (36 in)
- Dimming: 0–10 V
- Lifetime per TM21: L70: 80,000 hours, L90: 50,000 hours

ENVIRONMENTAL INFORMATION

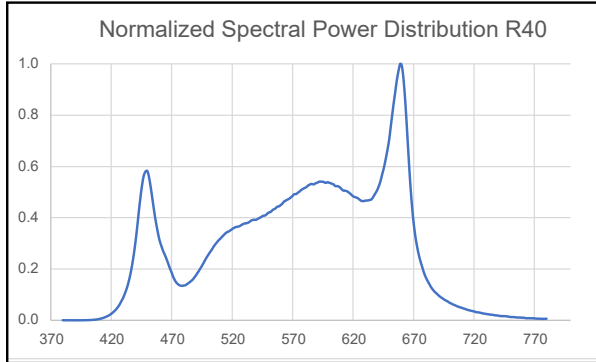
- -17°C to 43°C (0°F to 110°F) ambient temperature
- 0%–95% relative humidity, non-condensing
- UL-Certified for damp locations with a patented IP68 active cooling system

REGULATORY AND COMPLIANCE

- CSA C22.2 NO 250.0-08 - Luminaires
- UL 1598 - Luminaires
- UL 8800 - Outline for Horticultural Lighting Equipment
- UL 8750 - Standard for Light Emitting Diode (LED) Equipment for use in Lighting Products
- CSA C22.2 NO. 250.13-14 - Light Emitting Diode (LED) Equipment for Lighting Applications
- DLC® Horticulture Listed

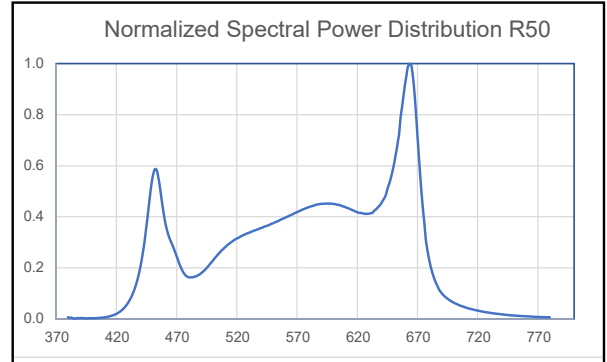
SPECTRUM INFORMATION

R40



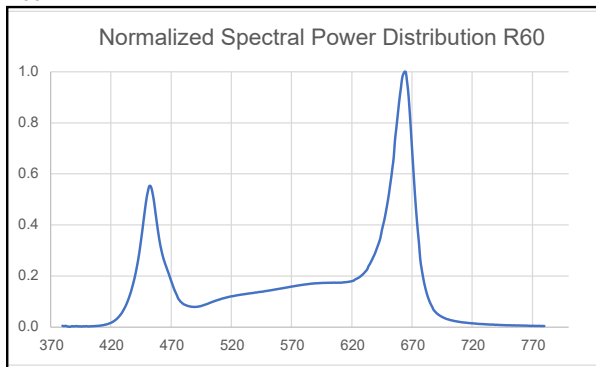
DC PPE: 3.09 $\mu\text{mol}/\text{j}$ / AC PPE 2.68 $\mu\text{mol}/\text{j}$

R50



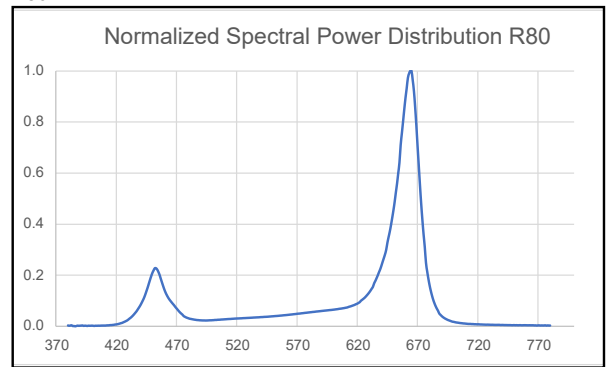
DC PPE: 3.11 $\mu\text{mol}/\text{j}$ / AC PPE 2.63 $\mu\text{mol}/\text{j}$

R60



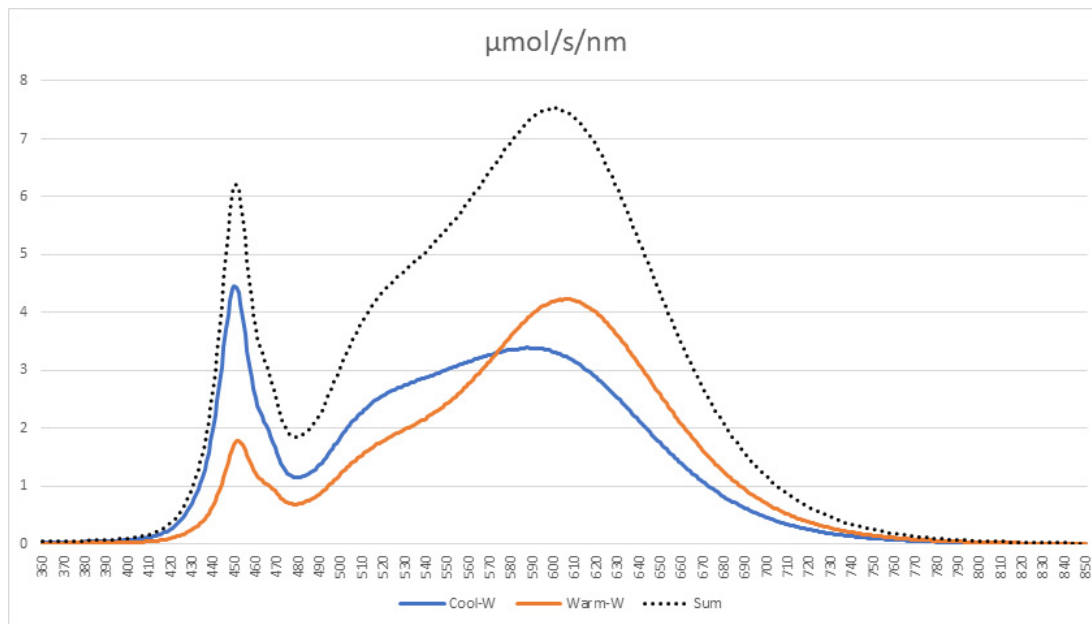
DC PPE: 3.20 $\mu\text{mol}/\text{j}$ / AC PPE 2.78 $\mu\text{mol}/\text{j}$

R80



DC PPE: 3.51 $\mu\text{mol}/\text{j}$ / AC PPE 2.95 $\mu\text{mol}/\text{j}$

FLUX VS WAVELENGTH



PHYSICAL

