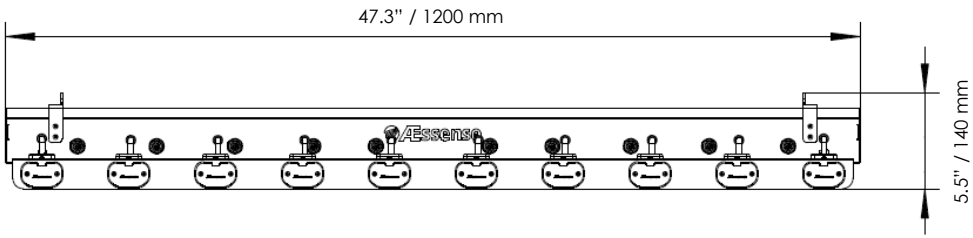
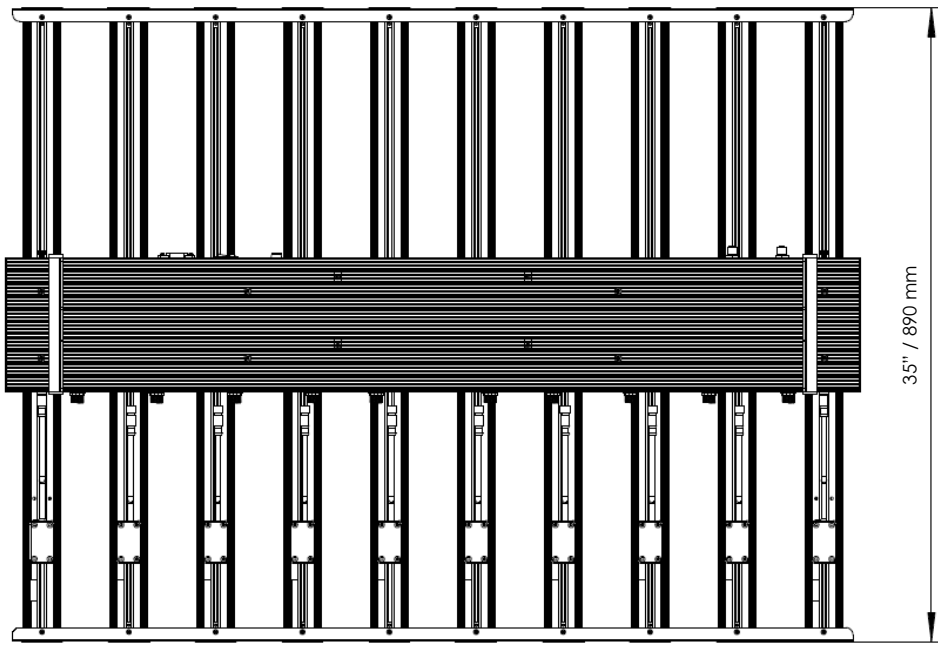




# Apic

Grow Light, 100-240V, 580W

## Data Sheet

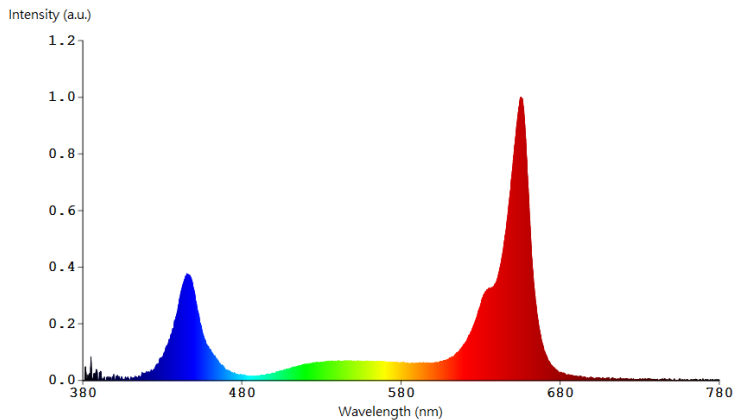


# LBR002 Specifications

	Min	Max
Input Voltage	100 V <sub>AC</sub>	240 V <sub>AC</sub>
Input Frequency	50 Hz	60 Hz
AC Power Draw	–	580 W
Heat Output	–	1,980 BTU/h
Operating Temperature	-4 °F (-20 °C)	104 °F (40 °C)
Storage Temperature	-40 °F (-40 °C)	140 °F (60 °C)
Turn-on Delay Time	6 s	8 s
Power Factor	0.93	–
Dimming	0% / 20%	100%

	Value
PPF <sup>1</sup>	905 μmol/s
Average PPF at 6" <sup>1,2</sup>	566 μmol/s/m <sup>2</sup>
Average PPF at 12" <sup>1,3</sup>	481 μmol/s/m <sup>2</sup>
Uniformity (CV) at 6" <sup>1,4</sup>	0.48
Uniformity (U) at 6" <sup>1,5</sup>	0.05
Comm. Interface	AES Link <sup>6</sup> , DMX512
Dimensions (L x W x H)	47.3" x 35" x 5.5" (1200 mm x 890 mm x 140 mm)
Weight	53 lbs (24 kg)
L70 Rating <sup>7</sup>	100,000 hrs
L90 Rating <sup>8</sup>	50,000 hrs
Certification	UL/cUL, CE

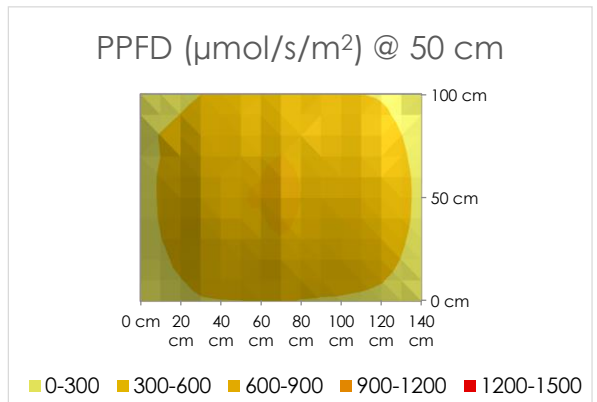
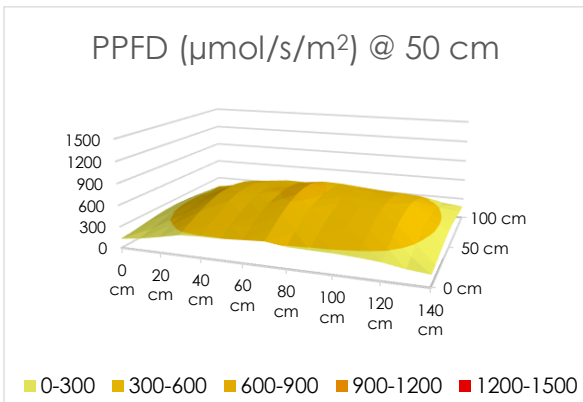
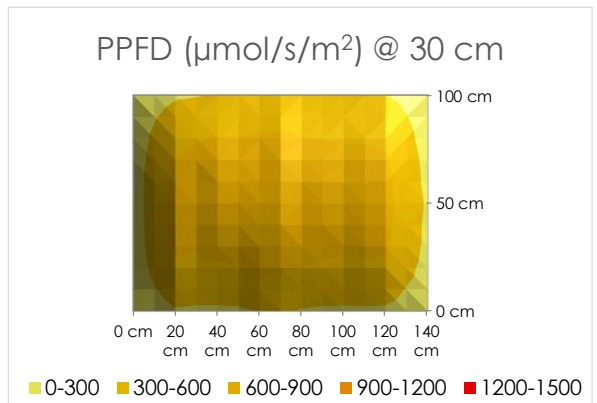
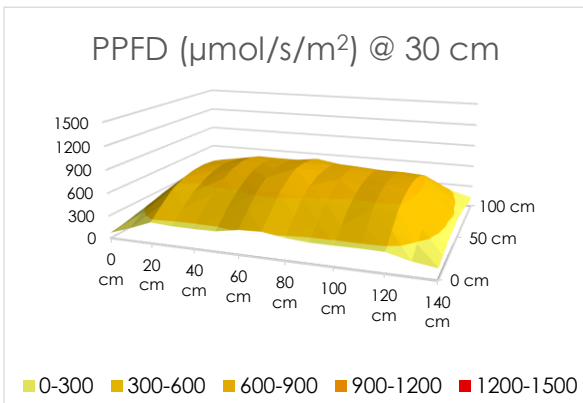
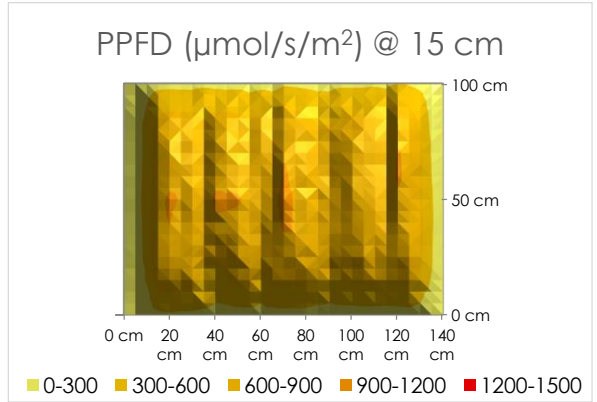
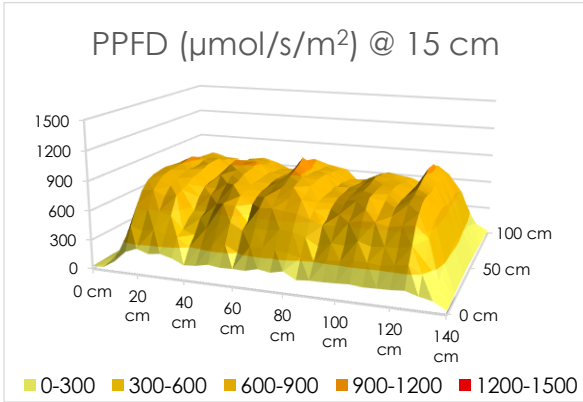
## Spectrum



1. At 100% light intensity
2. Average Photosynthetically Active Photon Flux Density (PPFD) over a 40"x50" grow tray at 6" (15 cm) fixture height (100% intensity, measured in isolation, no adjacent grow lights, no reflective walls)
3. Average Photosynthetically Active Photon Flux Density (PPFD) over a 40"x50" grow tray at 12" (30 cm) fixture height (100% intensity, measured in isolation, no adjacent grow lights, no reflective walls)
4. Coefficient of Variation over a 40"x50" grow tray at 6" (15 cm) fixture height (100% intensity, measured in isolation, no adjacent grow lights, no reflective walls)
5. Uniformity expressed as the ratio of the lowest PPF value and the average over a 40"x50" grow tray at 6" (15 cm) fixture height (100% intensity, measured in isolation, no adjacent grow lights, no reflective walls)
6. Wired communication protocol used in the Atrium System
7. Hours of normal operation before 10% degradation in maximum light intensity
8. Hours of normal operation before 30% degradation in maximum light intensity

# Photon Flux Distribution <sup>1</sup>

Measured in isolation at 100% light intensity with fixture centrally hanging at pre-determined height above a 40"x50" grow area.



1. Average Photosynthetically Active Photon Flux Density (PPFD)

**L03-A0001-01:** LBR002 for the US and Canada

- Plug type: NEMA 5-15P and NEMA 6-15P
- 120V/60Hz and 208V/60Hz
- UL certified

**L03-A0002-01:** LBR001 for China and Australia

- Plug type: Type I
- 230V/50Hz

**L03-A0003-01:** LBR002 for the EU

- Plug type: CEE 7/7
- 230V/50Hz
- CE certified

**L03-A0004-01:** LBR002 for Switzerland

- Plug type: Type J
- 230V/50Hz
- CE certified

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