

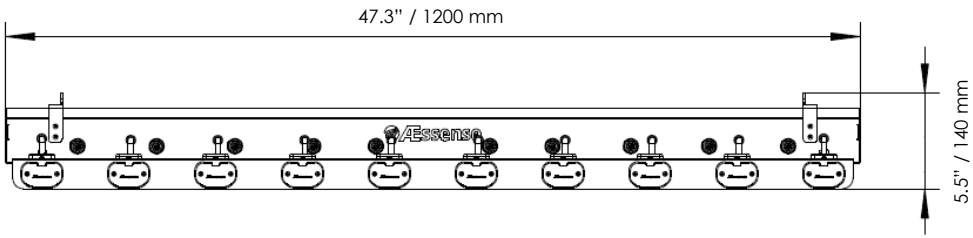
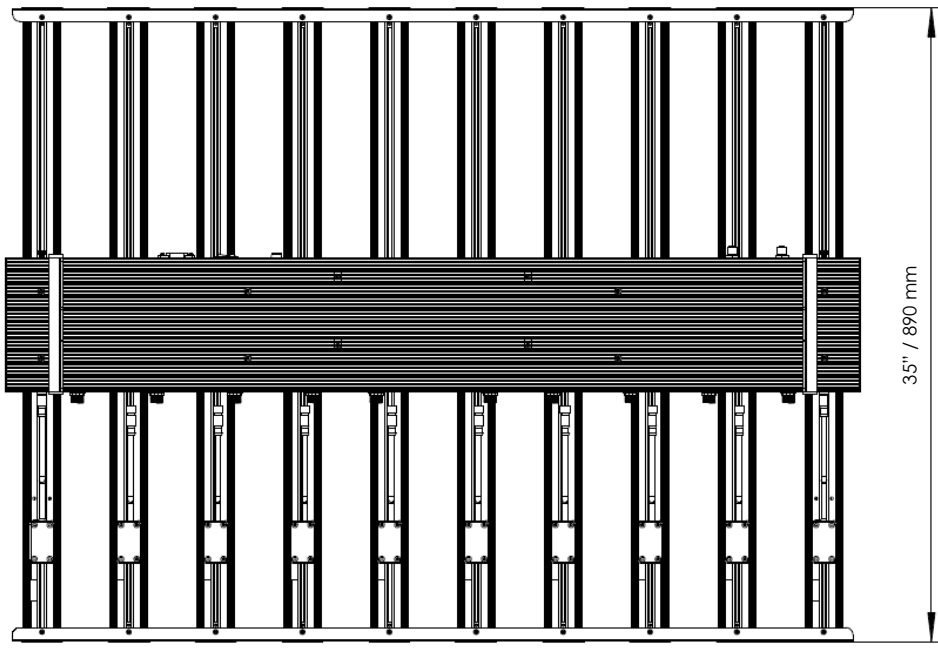


Apic

Grow Light, 120V/208V/230V, 560W

Data Sheet



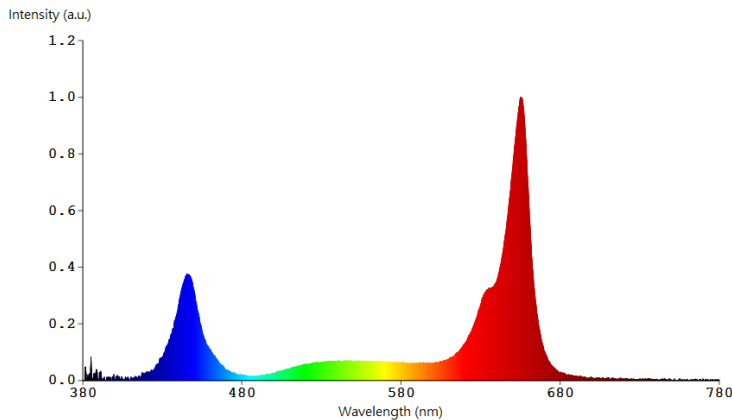


LBR002 Specifications

	Min	Max
Input Voltage	100 V _{AC}	240 V _{AC}
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	0.99
Dimming	0% / 20%	100%

	Value
PPF ¹	905 µmol/s
Avg. grouped PPF at 6" ^{1,2}	650 µmol/s/m ²
Avg. grouped PPF at 12" ^{1,2}	630 µmol/s/m ²
Avg. single PPF at 6" ^{1,3}	566 µmol/s/m ²
Avg. single PPF at 12" ^{1,3}	481 µmol/s/m ²
Uniformity (CV) at 6" ^{1,4}	0.48
Uniformity (U) at 6" ^{1,5}	0.05
Comm. Interface	AES Link ⁶ , 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 ⁷	100,000 hrs
L90 Rating ⁸	50,000 hrs
UL Certification ⁹	UL 1598, UL 8750, UL 8800 CSA C22.2 No. 250.0-08 CSA C22.2 No. 250.13-14
Location Rating ⁹	Damp
LVD Certification ¹⁰	IEC/EN 60598-2-1 IEC/EN 60598-1

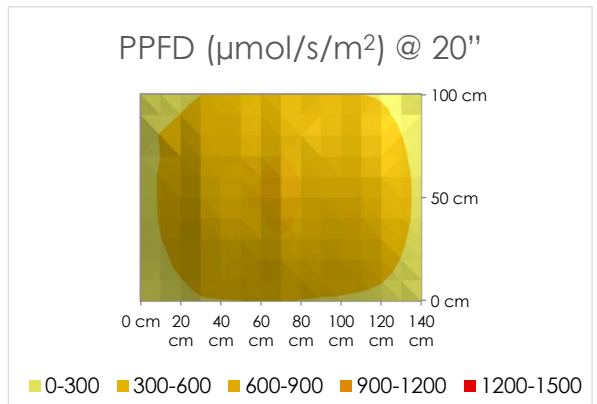
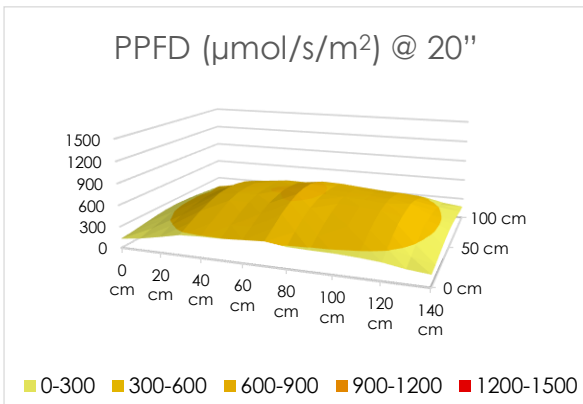
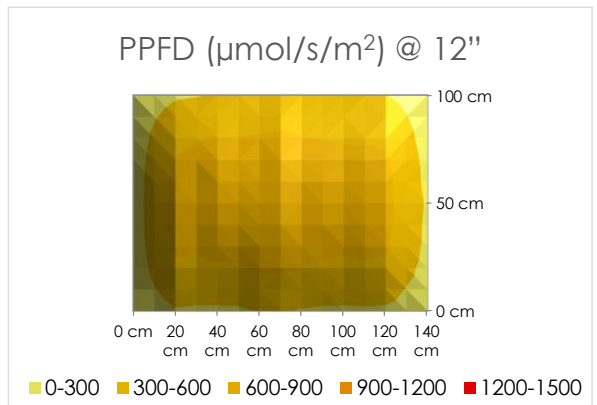
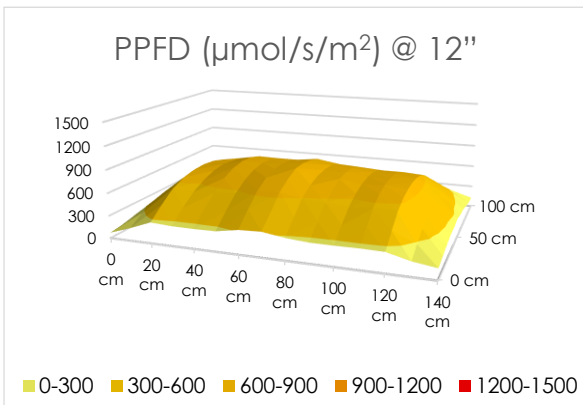
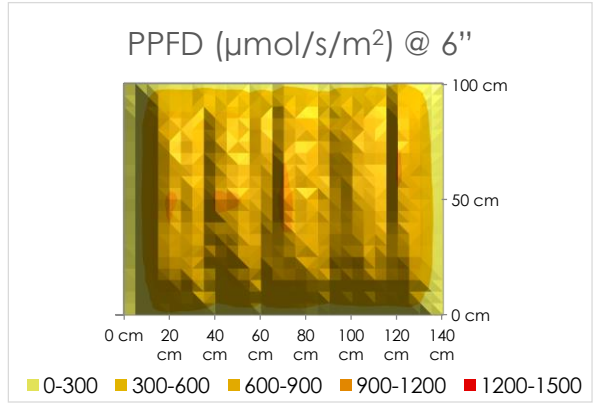
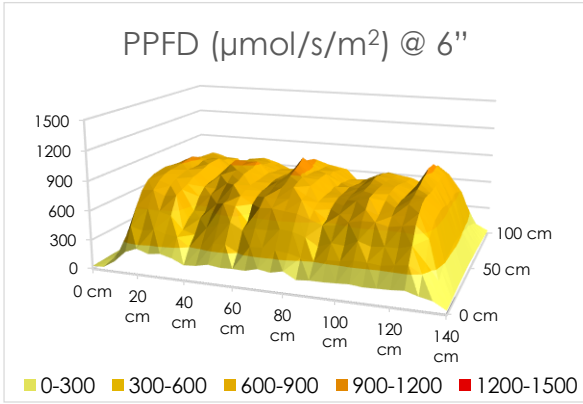
Spectrum



- At 100% light intensity
- Average Photosynthetically Active Photon Flux Density (PPFD) over a 40"x50" grow tray (measured with adjacent grow lights of the same type)
- Average Photosynthetically Active Photon Flux Density (PPFD) over a 40"x50" grow tray (measured in isolation, no adjacent grow lights, no reflective walls)
- Coefficient of Variation over a 40"x50" grow tray (measured in isolation, no adjacent grow lights, no reflective walls)
- Uniformity expressed as the ratio of the lowest PPF value and the average over a 40"x50" grow tray (measured in isolation, no adjacent grow lights, no reflective walls)
- Wired communication protocol used in the AEtrium System
- Hours of normal operation before 10% degradation in maximum light intensity
- Hours of normal operation before 30% degradation in maximum light intensity
- UL certificate number: 20171114-E491350
- Compliance with the Low Voltage Directive, certificate number: 2018-01-16-4787878754

Photon Flux Distribution ¹

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

L03-A0004-01: LBR002 for Switzerland

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

A 1281 Reamwood Ave.
Sunnyvale, CA 94089

P 1.800.369.8673

O 1.650.564.3058

E info@aessensegrows.com