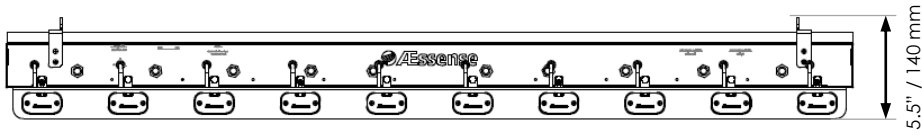
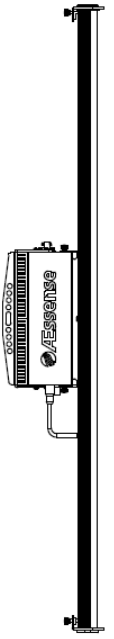
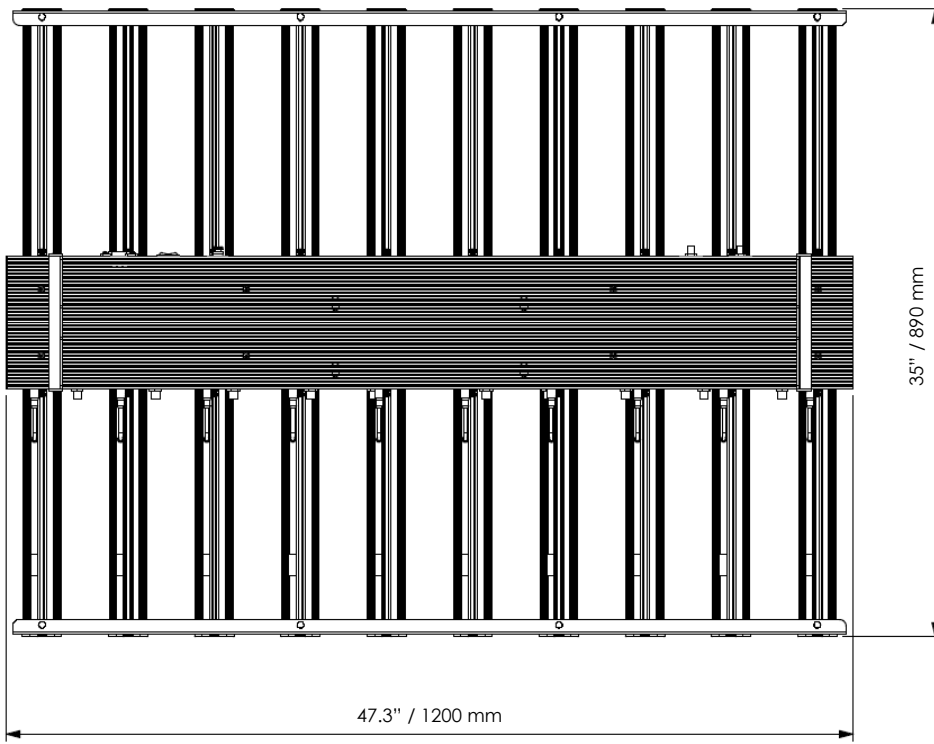




Apic

Grow Light, 90-305V, 580W

Data Sheet

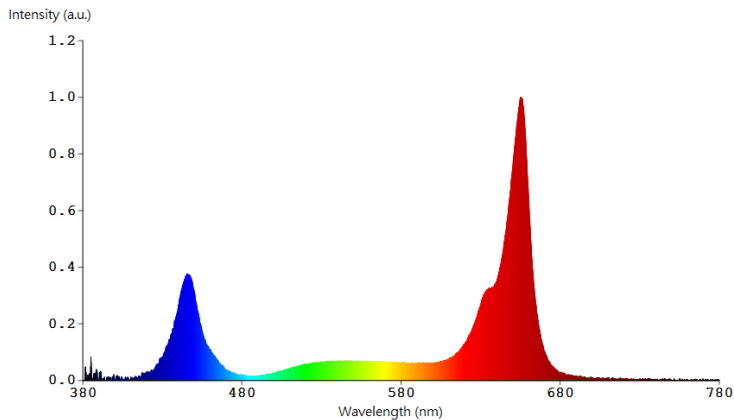


LBR001 Specifications

	Min	Max
Input Voltage	90 V _{AC}	305 V _{AC}
Input Frequency	47 Hz	63 Hz
AC Power Draw	–	580 W
Heat Output	–	1,980 BTU/h
Operating Temperature	-20 °C (-4 °F)	40 °C (104 °F)
Storage Temperature	-40 °C (-40 °F)	60 °C (140 °F)
Turn-on Delay Time	6 s	8 s
Power Factor	0.93	–
Dimming	0% / 20%	100%

PPF ¹	959 μmol/s
Average PPF at 6" ^{1,2}	600 μmol/s/m ²
Average PPF at 12" ^{1,3}	530 μmol/s/m ²
Uniformity (CV) at 6" ^{2,5}	0.48
Uniformity (U) at 6" ^{2,6}	0.05
Comm. Interface	AES Link ⁶ , DMX512
Dimensions (L x W x H)	1194 mm x 890 mm x 132 mm (47" x 35" x 5.2")
Weight	21.1 kg (46.5 lbs)
L70 Rating ⁷	100,000 hrs
L90 Rating ⁸	50,000 hrs

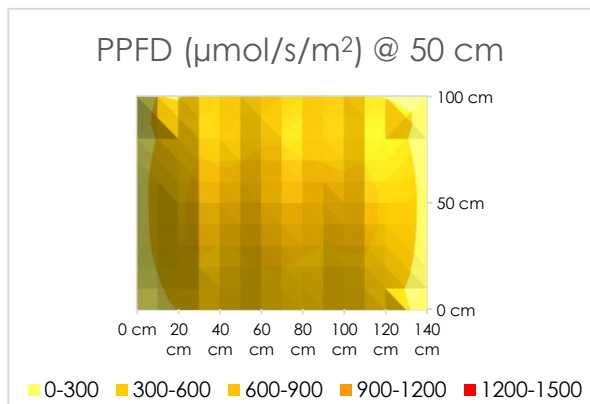
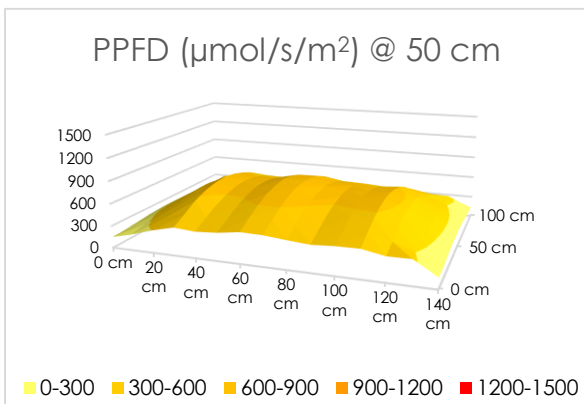
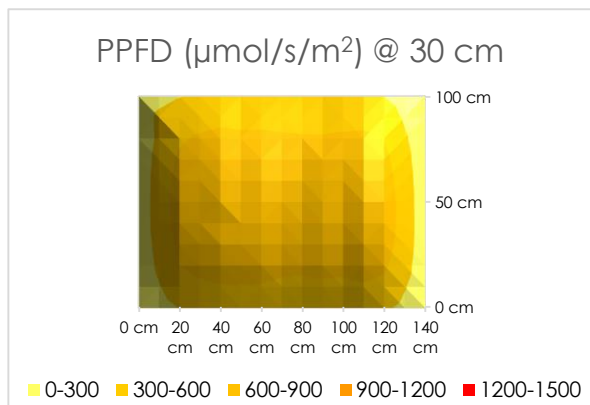
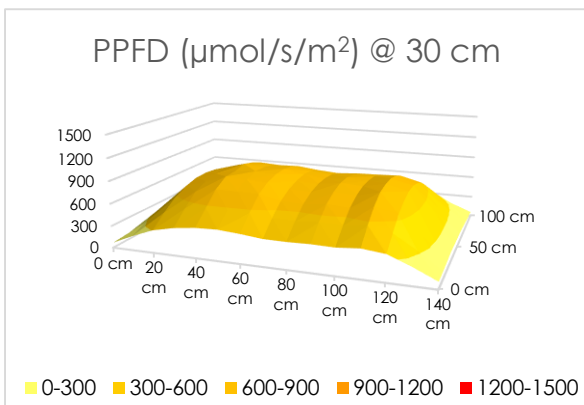
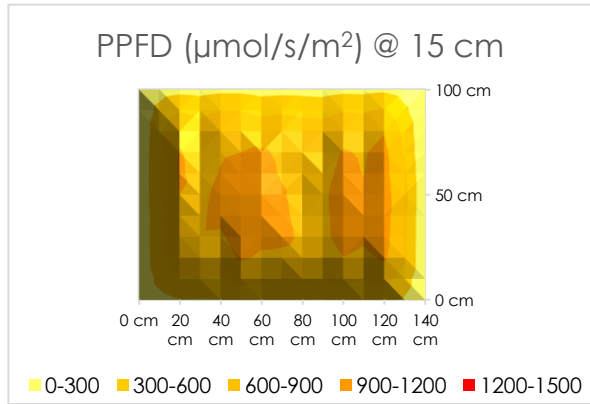
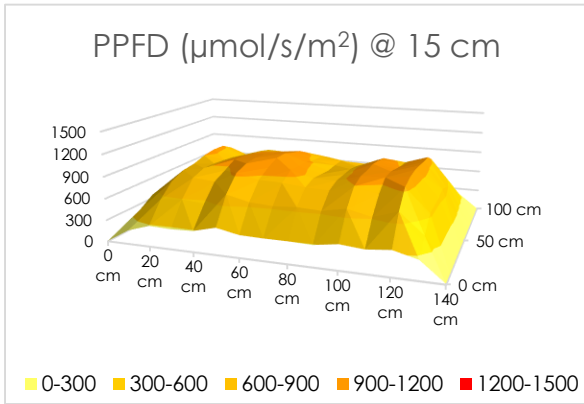
Spectrum



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 (top lighting, 100% intensity, single tray, 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 (top lighting, 100% intensity, single tray, no adjacent grow lights, no reflective walls)
4. Coefficient of Variation over a 40"x50" grow tray at 6" (15 cm) fixture height (top lighting, 100% intensity, single tray, 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 (top lighting, 100% intensity, single tray, 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 ¹

Measured at 530W LED power (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) over 40"x50" grow tray (top lighting, 100% intensity, single tray, no adjacent grow lights, no reflective walls)

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