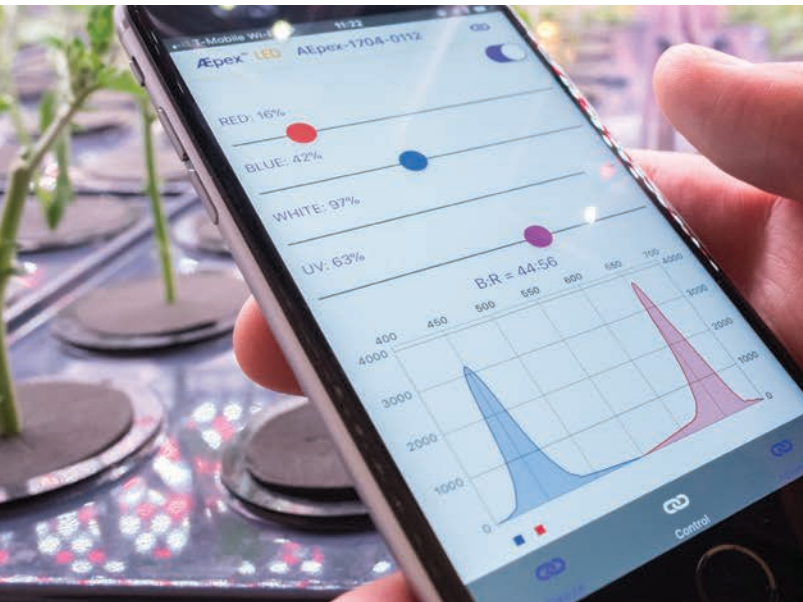


Æssense Lighting Systems

Integrates effortlessly into the Ætrium Guardian System



AUTOMATION

Designed to seamlessly integrate into the Ætrium Guardian™ System



UNIFORM LIGHT

Achieve maximum yield with an optimized footprint for Ætrium-4 trays (40"x50")



EFFICIENT GROWTH

Automated dimming adjusts the correct amount of PAR for each specific growth environment

Blooming Light Systems



530W

Æpic™

Vegging & Blooming LED

Footprint optimized to cover one Ætrium-4 tray



1000W

Æexcel™

Blooming HPS

Low cost HID lighting system for Ætrium-4



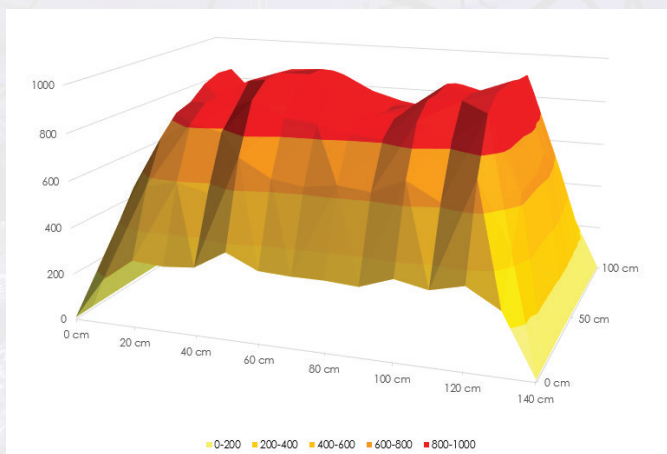
500W

Æpex™

Vegging & Blooming LED

Footprint optimized for Ætrium-4



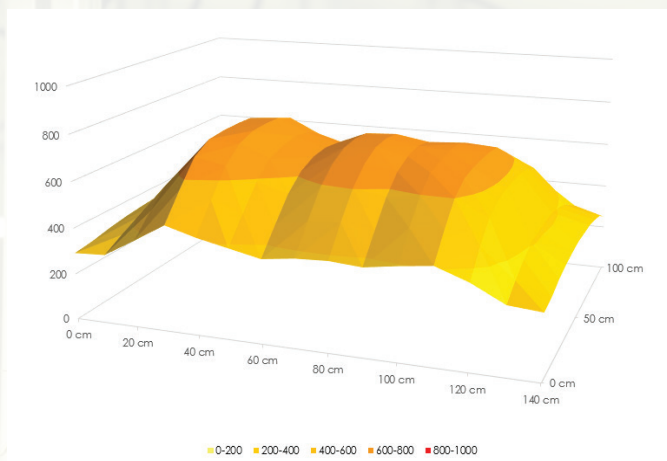


Light intensity footprint (PPFD)

Aëpic™

Vegging & Blooming LED

- 530W LED grow light bars
- 40" x 50" footprint
- PPFD at 6" height: average 600 $\mu\text{mol/s/m}^2$
- Uniform light at close range
- Dimmable
- Compatible with AEssense Guardian™
- Highest quality Cree and Osram LEDs from the US and Germany
- Optimized passive cooling, no fans

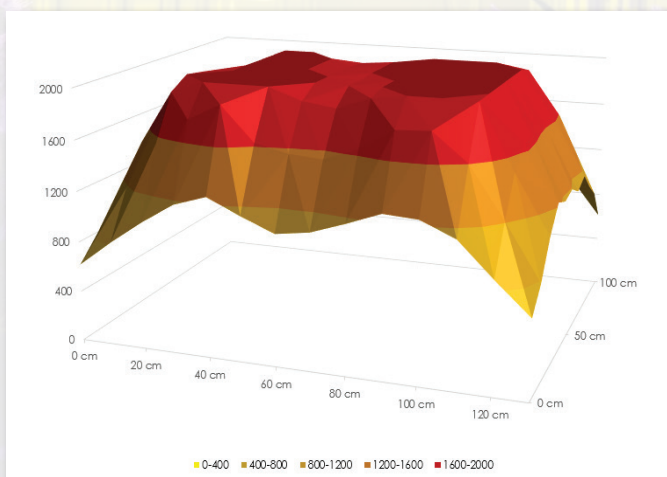


Light intensity footprint (PPFD)

Aëxcel™

HPS Grow Light

- 1000W double-ended HPS grow light
- 40" x 50" footprint
- PPFD at 28" height: average 500 $\mu\text{mol/s/m}^2$
- Step Dimming or Continuous Dimming
- Choice of 2 input voltage ranges (230V optimized, 110-240V universal)



Light intensity footprint (PPFD)

Aëpex™

Vegging & Blooming LED

- 500W LED grow light panel
- 40" x 50" footprint
- PPFD (quad-panel configuration) at 12" height: average 1,650 $\mu\text{mol/s/m}^2$
- Dimmable, adjustable spectrum
- Compatible with AEssense Guardian™
- Highest quality Cree and Osram LEDs from the US and Germany
- UV light content
- Direct Bluetooth control for individual users



Æpic™

Vegging & Blooming LED

Footprint optimized to cover one Ætrium-4 tray

Æpic grow lights are designed to be the perfect match for the Ætrium-4 System.

Thanks to their excellent close range uniformity, they can be mounted as close as 6" to your plant canopy in low ceiling environments. For maximum area utilization, each light is sized to cover one Ætrium-4 tray.

Large scale automation is supported by daisy chaining several lights together. These are timed and dimmed by the Guardian Grow Manager. Æpic grow light systems sustainably deliver high levels of PAR to your plants (average PPFD of 600 $\mu\text{mol/s/m}^2$).

Specifications

Dimensions - (W x D x H) 47" x 35" x 5.2"

Weight - 46.5 lbs



Average PPFD over Ætrium-4 tray

600 $\mu\text{mol/s}$ at 6" installation height
530 $\mu\text{mol/s}$ at 12" installation height

Max. Power Draw

580 W

Heat Output

1,980 BTU/h

Input Voltage

90-305 V_{AC}

Automation

Control via Guardian Grow Manager over AES link daisy chain, DMX512 Compatible

Cooling

Passive (no fans)

*Average Photosynthetically Active Photon Flux Density (PPFD) over 40"x50" grow area (top lighting, single tray, no adjacent grow lights, no reflective walls)

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