

LUMATEK
PROFESSIONAL LIGHTING

ATTIS 300W LED



The Lumatek Attis series is a range of full spectrum LED grow lights featuring top bin LUMLED LEDs and dimmable Lumatek drivers. This light-weight fixture is ideal as sole-source or supplemental grow lighting for propagation, vegetative and flowering growth periods of indoor-grown crops.

2.3 $\mu\text{mol}/\text{J}$

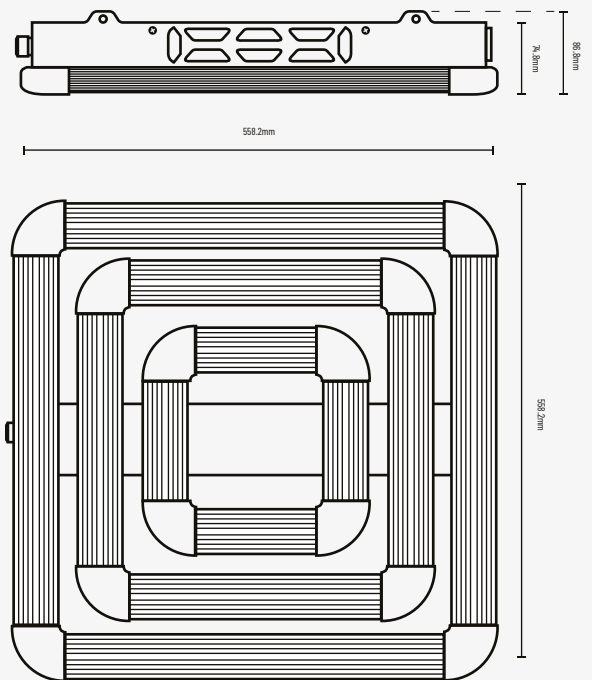
690 $\mu\text{mol}/\text{s}$ total output

Full-Spectrum

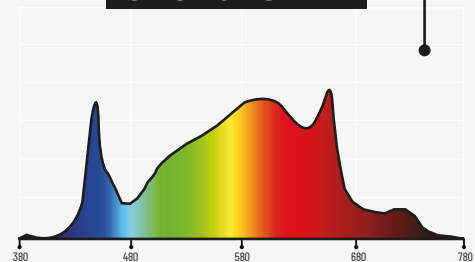


ATTIS 300W LED

| | |
|-----------------------------------|--|
| EFFICACY | 2.3 $\mu\text{mol}/\text{J}$ |
| PPF | 690 $\mu\text{mol}/\text{s}$ |
| INPUT VOLTAGE | 200-240V, 50-60Hz |
| INPUT CURRENT | 1.44A (100%) |
| POWER CONSUMPTION | 300W |
| FOOTPRINT | 1x1m |
| APPLICATION | Controlled-Climate Rooms & Grow Tents |
| WATERPROOF & DUSTPROOF | IP20 |
| LIFETIME (LED BARS) | 60 000 hrs |
| LIGHT DISTRIBUTION | 110° |
| LIGHT SOURCE | LUMLED Diodes |
| DIODES RATIO | White 87,6% ; Red 8.4% ; Far Red 4% |
| DIODES EFFICIENCY | LUMLED Dark Red 660NM 3.1 $\mu\text{mol}/\text{J}$; LUMLED White 2.9 $\mu\text{mol}/\text{J}$ |
| DIMMABLE | 20%-40%-60%-80%-100% |
| WEIGHT | 5.2 Kg |
| DIMENSIONS | 558.2 x 558.2 x 86.8 mm |
| SPECTRUM | Full Spectrum + |
| THERMAL MANAGEMENT | Passive |
| POWER FACTOR | >0.95 |
| WARRANTY | 3 Years |
| CERTIFICATIONS | CE, IP65, UL1598, UL8800, EN61347-2-12, EN 61347-1, IEC 60598-1-2014, GBT 33721-2017 & GB7000.1-2015 |



SPECTRUM GRAPH



ITEMS INCLUDED IN THE BOX:

- 1 x Attis 300W LED Fixture (LED Driver and Dimmer Included)
- 1 x Power Cable
- 2 x Metal Cable Hangers
- 1 x Manual

PPFD: PHOTOSYNTHETIC PHOTON FLUX DENSITY ($\mu\text{mol}/\text{m}^2/\text{s}$)

RECOMMENDED PPFD ($\mu\text{mol}/\text{m}^2/\text{s}$)

| PLANT | SEED | CLONES | VEGETATIVE | FLOWERING |
|-----------|---------|--------|------------|-----------|
| CANNABIS | 100-300 | 75-150 | 300-550 | 650+ |
| TOMATOES | 150-350 | 75-150 | 350-550 | 650+ |
| CUCUMBERS | 100-300 | -- | 300-550 | 650+ |
| PEPPERS | 150-350 | -- | 300-550 | 650+ |

FACTORS THAT CAN INFLUENCE PPFD TESTS

- TEST EQUIPMENT.
- LAMP BEADS DEVIATION
- AMBIENT TEMPERATURE DEVIATION
- PC COVER TRANSMITTANCE DEVIATION
- POWER SOURCE EFFICIENCY DEVIATION
- REFLECTION CONSIDERED OR NOT

LUMATEK ATTIS 300W PPFD MAPS (1M x 1M VARIANT)

| | |
|----------------------------|---|
| TEST AREA | 1M x 1M |
| TEST POINTS | 25 |
| TEST EQUIPMENT | INTEGRATING 2 METER SPHERE & EVERFINE PLA20 |
| AMBIENT TEMPERATURE | 25° |
| HEIGHT FROM CANOPY | 15CM, 30CM |
| REFLECTION | 0% |

LUMATEK ATTIS 300W PPFD MAPS (1.5M x 1.5M VARIANT)

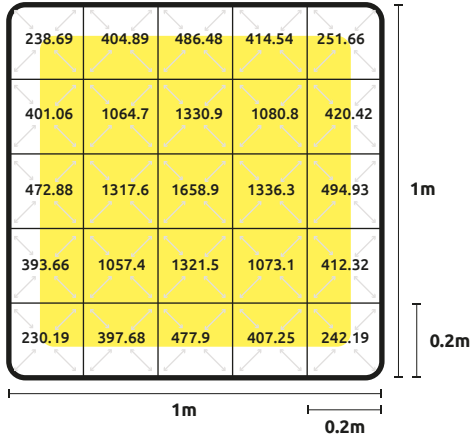
| | |
|----------------------------|---|
| TEST AREA | 1.5M x 1.5M |
| TEST POINTS | 25 |
| TEST EQUIPMENT | INTEGRATING 2 METER SPHERE & EVERFINE PLA20 |
| AMBIENT TEMPERATURE | 25° |
| HEIGHT FROM CANOPY | 40CM, 50CM, 60CM, 70CM |
| REFLECTION | 0% |

HEIGHT TO TEST POINT **15cm**

CANOPY AVERAGE PPF

0,8m x 0,8m: 1249.02 $\mu\text{mol}/\text{m}^2/\text{s}$

1mx1m: 695.5 $\mu\text{mol}/\text{m}^2/\text{s}$

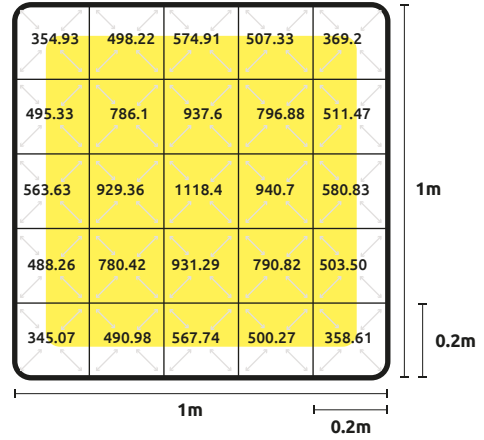


HEIGHT TO TEST POINT **30cm**

CANOPY AVERAGE PPF

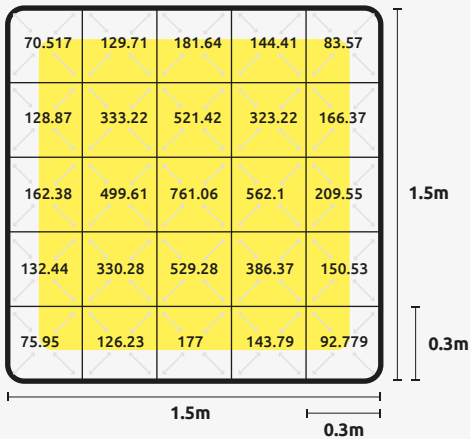
0,8m x 0,8m: 890.17 $\mu\text{mol}/\text{m}^2/\text{s}$

1mx1m: 628.9 $\mu\text{mol}/\text{m}^2/\text{s}$



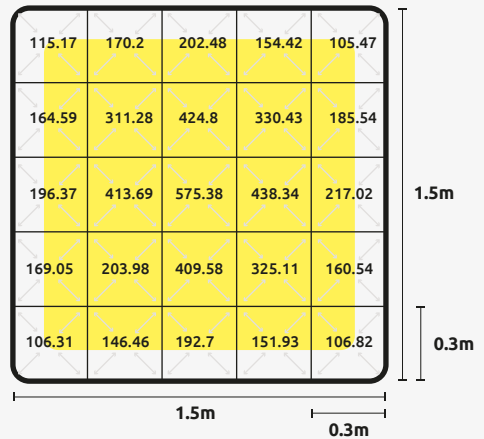
HEIGHT TO TEST POINT **40cm**

CANOPY AVERAGE PPF 258.911 $\mu\text{mol}/\text{s}/\text{m}^2$



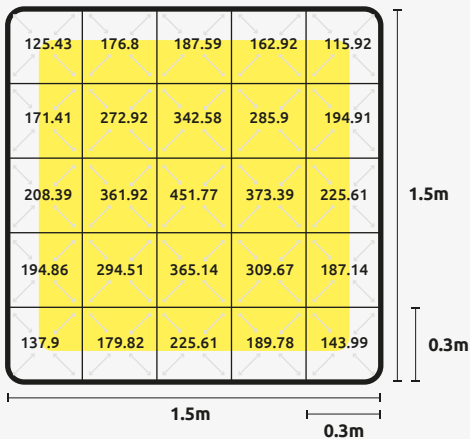
HEIGHT TO TEST POINT **50cm**

CANOPY AVERAGE PPF 239.55 $\mu\text{mol}/\text{s}/\text{m}^2$



HEIGHT TO TEST POINT **60cm**

CANOPY AVERAGE PPF 235.435 $\mu\text{mol}/\text{s}/\text{m}^2$



HEIGHT TO TEST POINT **70cm**

CANOPY AVERAGE PPF 226.439 $\mu\text{mol}/\text{s}/\text{m}^2$

