

# LUMATEK

PROFESSIONAL LIGHTING

## ATS200W PRO



The Lumatek ATS Pro series is a range of full spectrum LED grow lights featuring higher efficiency top bin White, Red & Far Red diodes 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.

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

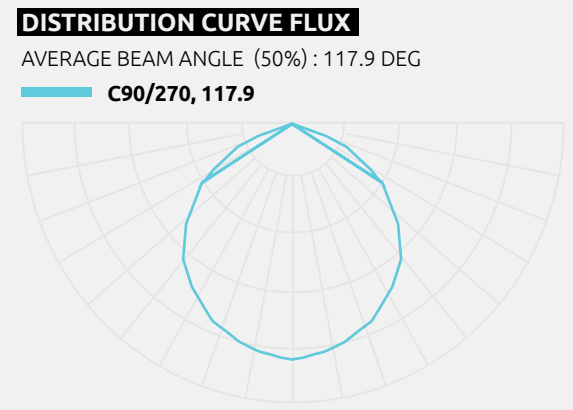
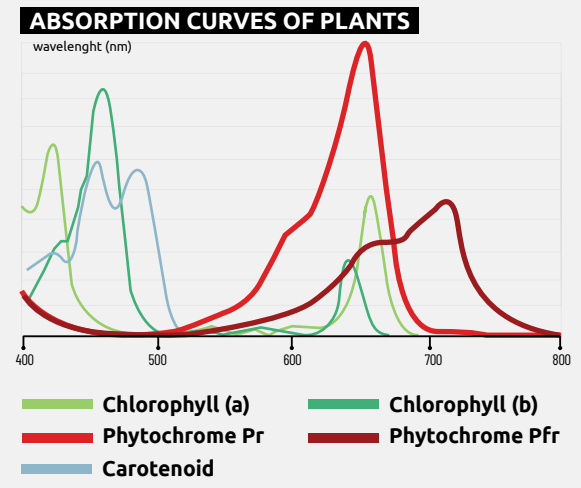
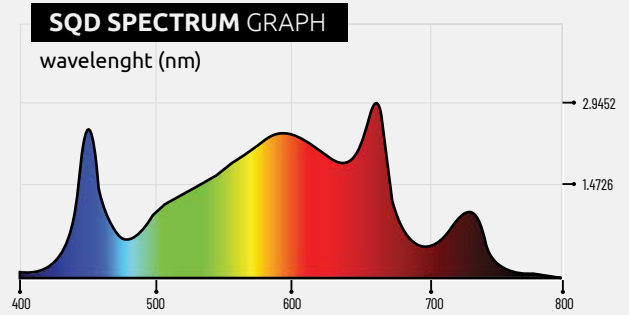
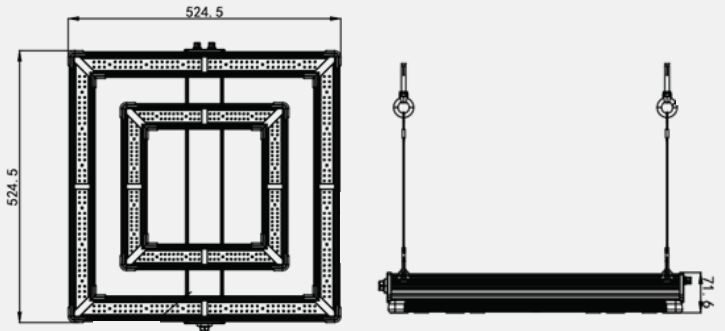
508  $\mu\text{mol}/\text{s}$  total output

Full-Spectrum



# ATS200W PRO

- PRODUCT CODE** LUMLED200P
- EFFICACY** 2.5  $\mu\text{mol}/\text{J}$
- PPF** 508  $\mu\text{mol}/\text{s}$
- INPUT VOLTAGE** 220-240V, 50-60Hz
- INPUT POWER** 208W (100% 230V)
- FOOTPRINT** Up to 0.8x0.8m
- APPLICATION** Multi-layer, Room, Tent
- WATERPROOF & DUSTPROOF** IP65
- LIFETIME** +60 000 hrs
- LIGHT DISTRIBUTION** 120°
- LIGHT SOURCE** Higher Spec 4000K White, 660nm Red & 730nm Far Red Diodes
- CCT** 4000K
- QUANTITY OF DIODES TOTAL** White 288; Red 12; 24 Far Red
- DIODES POWER PROPORTION** White 74%; Red 14%; Far Red 12%
- DIODES EFFICIENCY** White 2.6  $\mu\text{mol}/\text{J}$ ; Red 3.0  $\mu\text{mol}/\text{J}$ ; Far Red 2.2  $\mu\text{mol}/\text{J}$
- DIMMABLE** OFF-25%-50%-75%-100% with 0-10V Light Dimmer (Included)
- EXTERNAL CONTROL** With Lumatek Digital Panel Plus 2.0 or Universal Controller 0-10V
- WEIGHT** 4 Kg
- DIMENSIONS** 524.5 x 524.5 x 71.6mm
- SPECTRUM** Full Spectrum +
- THERMAL MANAGEMENT** Passive cooling
- POWER FACTOR** 0.95
- MAX. AMBIENT TEMPERATURE (@200W POWER)** 25°C
- BTU** 703 BTUs/h
- WARRANTY** 3 Years
- CERTIFICATIONS** IP65, Rohs Directive 2011/65/EU And (EU)2015/863  
 LED Fixture: CE Safety Standard: EN 60598-1:2015+A1:2018, EN 60598-2-1:1989, EN 62031:2020, EN 62493:2015, EN 62471:2008; CE EMC Standard: EN 55015:2019, EN 61547:2009, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019  
 LED Driver: CE Safety Standard: EN 60598-1:2015+A1:2018, EN 60598-2-1:1989, EN 62031:2020, EN 62493:2015, EN 62471:2008; CE EMC Standard: EN 61347-1:2015, EN 61347-2-13:2014+A1:2017, EN 62493:2015



**INPUT CURRENT (A/W) PER DIMMING RANGE**

| @ 230V  |                 |                   |
|---------|-----------------|-------------------|
| DIMMING | INPUT POWER (W) | INPUT CURRENT (A) |
| 100%    | 208             | 0.92              |
| 75%     | 150             | 0.67              |
| 50%     | 96              | 0.44              |
| 25%     | 50              | 0.27              |

## EXTERNAL CONTROL

The ATS Pro fixtures can also be externally controlled with a Lumatek digital lighting controller (Digital Panel Plus 2.0) featuring light timing, automated dimming (1% increments), temperature safety control, Sunrise & Sunset Mode for up to 100 fixtures per controller



### ITEMS INCLUDED :

- 1 x ATS200W Pro LED Fixture with Driver
- 1 x Power Cable 230V
- 1 x 0-10V Light Dimmer + Velcro
- 2 x Metal Cable Hangers
- 1 x Manual

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

### 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

### 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+      |

### LUMATEK ATS200W PRO PPFD MAPS

TEST AREA **0.8M x 0.8M**

TEST POINTS **36**

TEST EQUIPMENT **INTEGRATING 2 METER SPHERE & LI-COR 180**

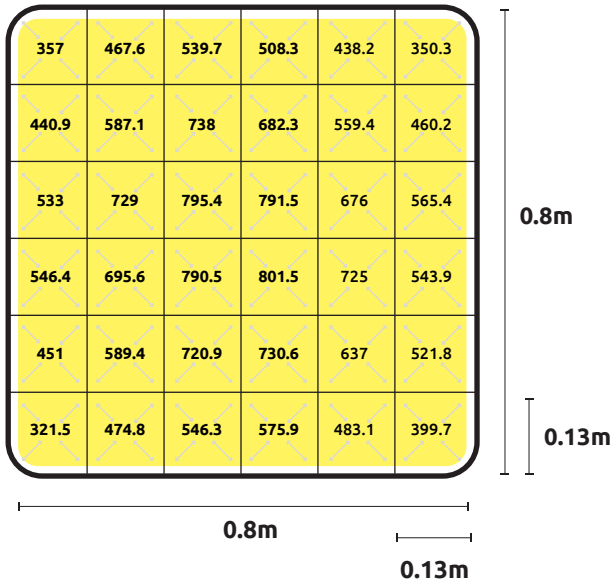
AMBIENT TEMPERATURE **25°**

HEIGHT FROM CANOPY **30CM, 40CM, 50CM, 100CM**

REFLECTION **0%**

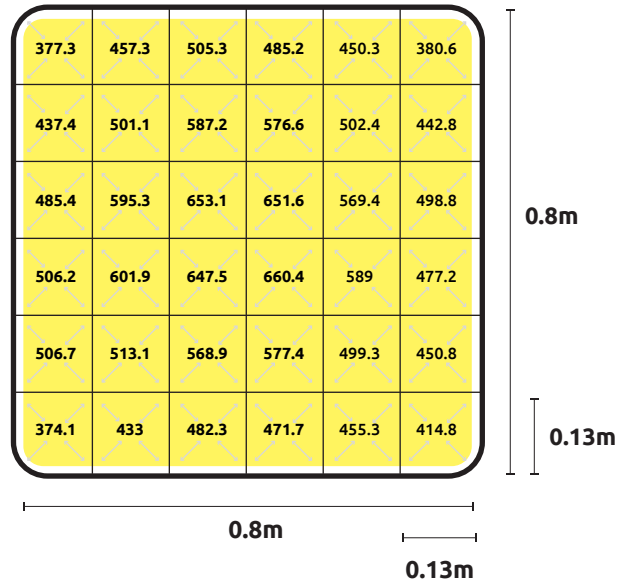
HEIGHT TO TEST POINT **30cm**

CANOPY AVERAGE **PPFD** 577.1  $\mu\text{mol/s/m}^2$



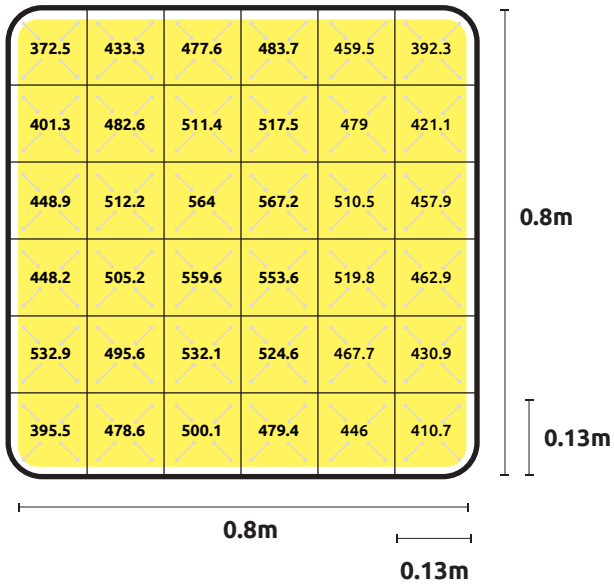
HEIGHT TO TEST POINT **40cm**

CANOPY AVERAGE **PPFD** 510.7  $\mu\text{mol/s/m}^2$



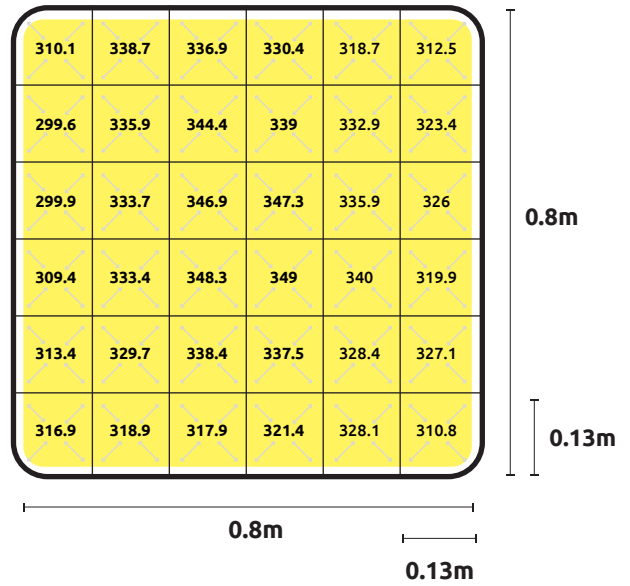
HEIGHT TO TEST POINT **50cm**

CANOPY AVERAGE **PPFD** 478.8  $\mu\text{mol/s/m}^2$



HEIGHT TO TEST POINT **100cm**

CANOPY AVERAGE **PPFD** 327.8  $\mu\text{mol/s/m}^2$



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FOR MORE INFORMATION ON LUMATEK PRODUCTS  
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