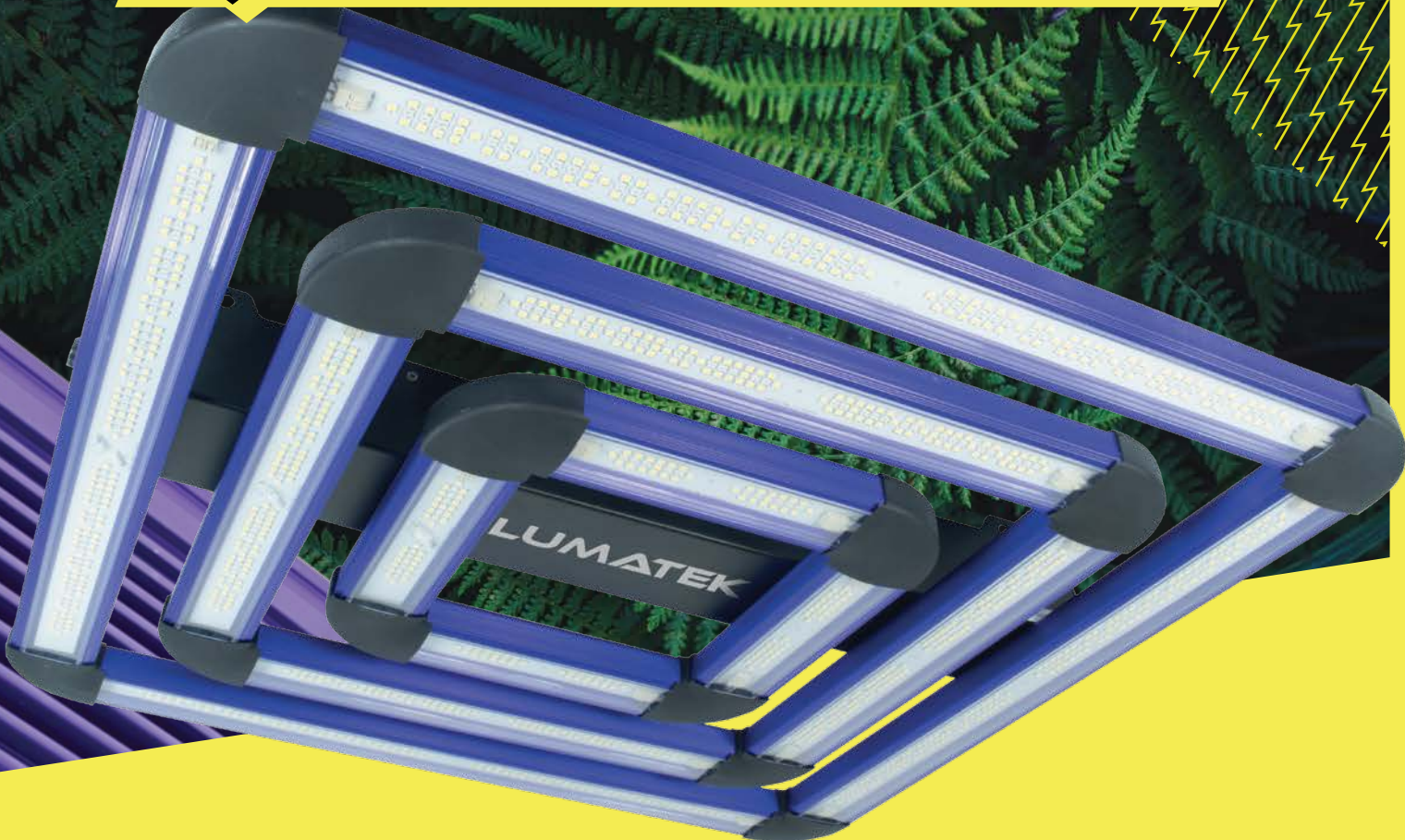


**LUMATEK**  
PROFESSIONAL LIGHTING

# ATS300W LED



The Lumatek ATS 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  $\mu\text{mol}/\text{J}$**

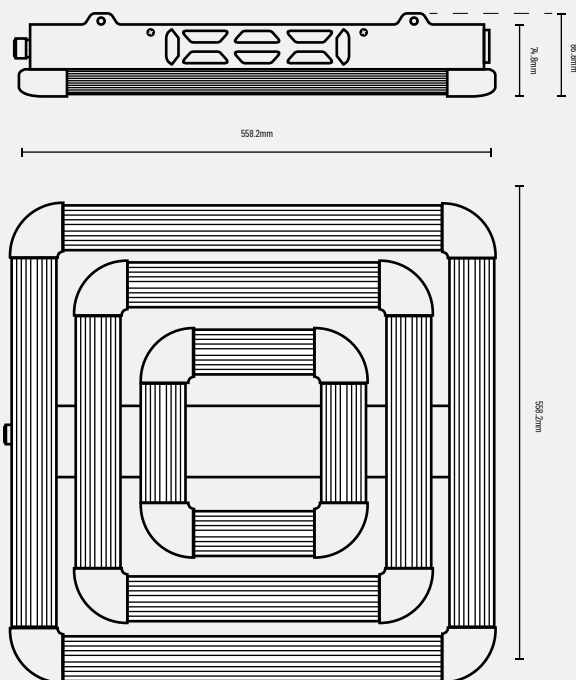
**690  $\mu\text{mol}/\text{s}$  total output**

**Full-Spectrum**

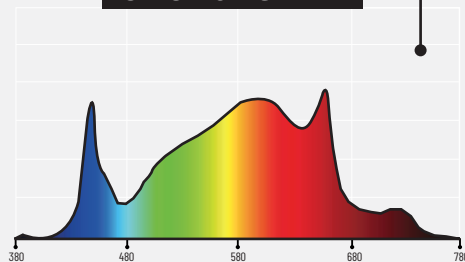


# ATS300W LED

- 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
- BTU** 1124 BTUs/h
- 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 ATS300W 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 ATS300W 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%
- FIXTURE POWER** 100%

### LUMATEK ATS300W PPFD MAPS (1.5M x 1.5M VARIANT)

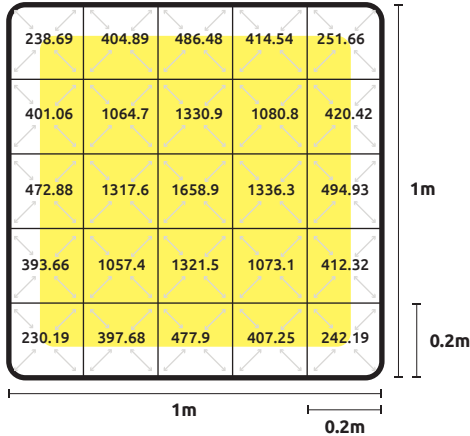
- TEST AREA** 1.5M x 1.5M
- TEST POINTS** 25
- TEST EQUIPMENT** INTEGRATING 2 METER SPHERE & EVERFINE PLA20
- AMBIENT TEMPERATURE** 25°
- HEIGHT FROM CANOPY** 40CM, 50CM, 60CM, 70CM
- REFLECTION** 0%
- FIXTURE POWER** 100%

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  $\mu\text{mol}/\text{m}^2/\text{s}$

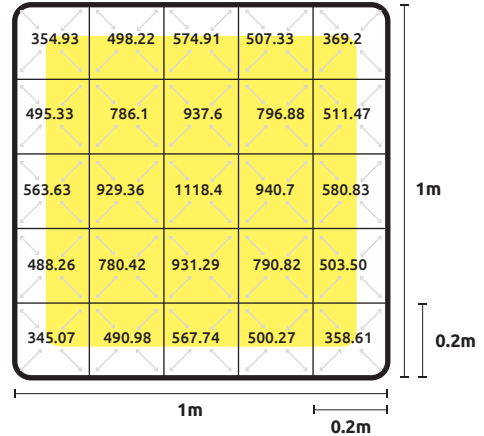


HEIGHT TO TEST POINT **30cm**

CANOPY AVERAGE PPF

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

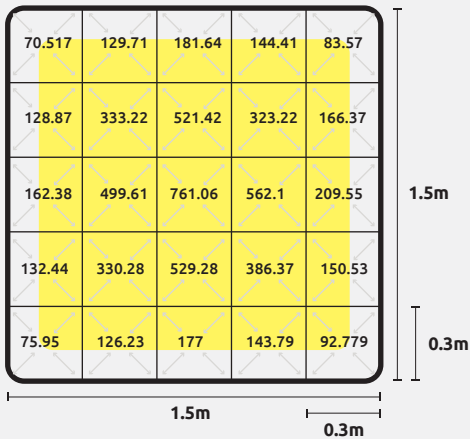
1mx1m: 628.9  $\mu\text{mol}/\text{m}^2/\text{s}$



LUMATEK ATS300W PPF MAPS (1.5M x 1.5M VARIANT)

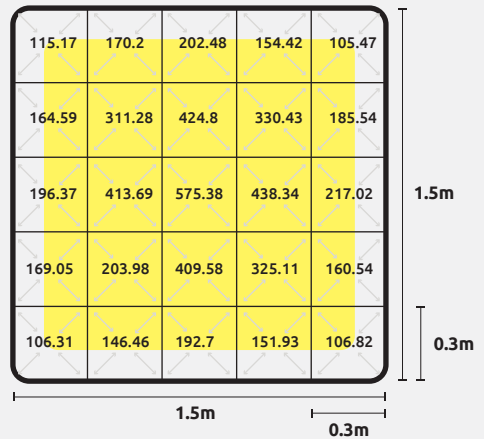
HEIGHT TO TEST POINT **40cm**

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



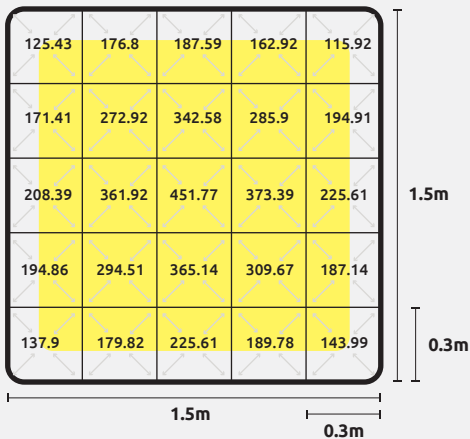
HEIGHT TO TEST POINT **50cm**

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  $\mu\text{mol}/\text{s}/\text{m}^2$

