

LUMATEK

PROFESSIONAL LIGHTING

ZEUS 1000W XTREME PPFD CO2

The Zeus 1000W Xtreme PPFD CO2 is a very high performance full-cycle LED solution for commercial and hobby horticulture cultivation, with the power and flexibility to scale from vegetative growth to higher light intensities in bloom. Designed for 1.5x1.5m coverage with Supplemental CO2 or 1.8x1.8m without this supplementation and placed at higher heights.

2.9 $\mu\text{mol}/\text{J}$

2925 $\mu\text{mol}/\text{s}$ total output

Full-Spectrum



EXTERNAL CONTROL

The Zeus fixture 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 IN THE BOX:

- 10 x Lumatek 100W Pro 2.9 Full-Spectrum Magnet Light Bars
- 1 x Lumatek 1000W Xtreme Pro Driver with Connecting Cables
- 1 x LED Structure with Connecting Cables
- 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 ZEUS 1000W XTREME PPFD CO2 PPFD MAPS

TEST AREA 1.5M x 1.5M

TEST POINTS 100

TEST EQUIPMENT INTEGRATING 2 METER SPHERE & EVERFINE PLA20

AMBIENT TEMPERATURE 25°

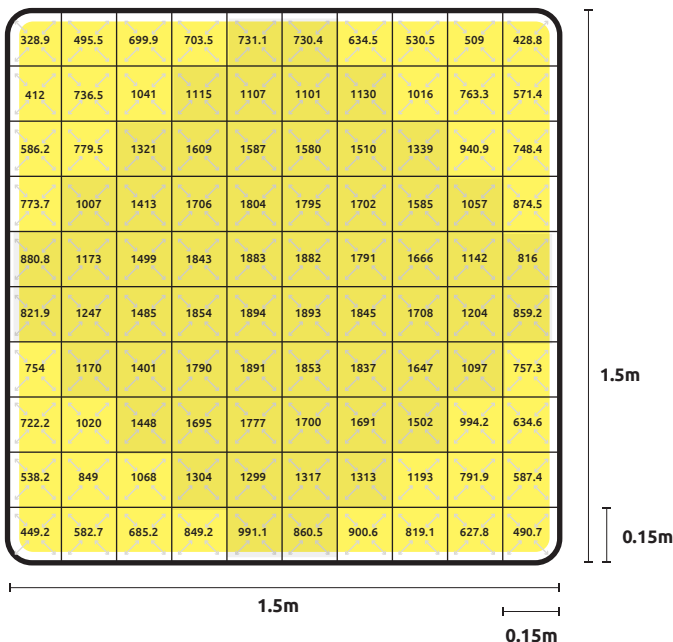
HEIGHT FROM CANOPY 30CM, 40CM, 52CM, 100CM, 150CM

REFLECTION 0%

PRIMARY TESTS WITH 10 BARS AT 100% POWER

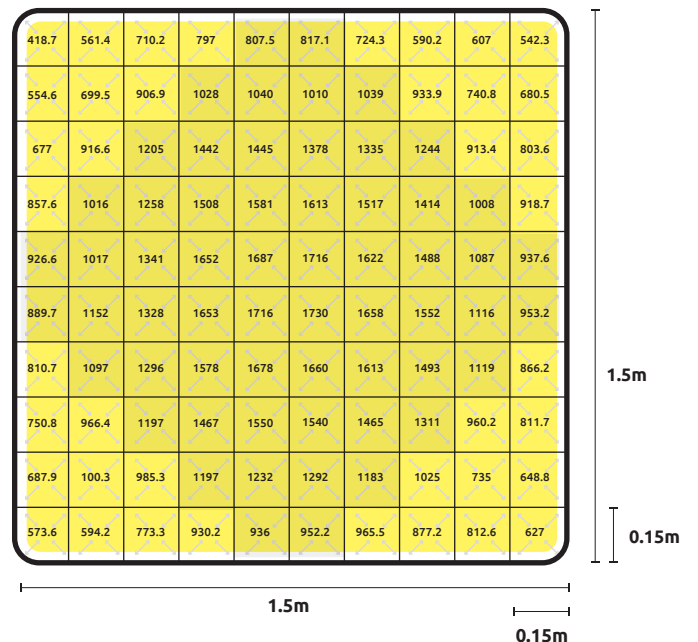
HEIGHT TO TEST POINT 30cm

CANOPY AVERAGE PPFD 1148 $\mu\text{mol}/\text{s}/\text{m}^2$

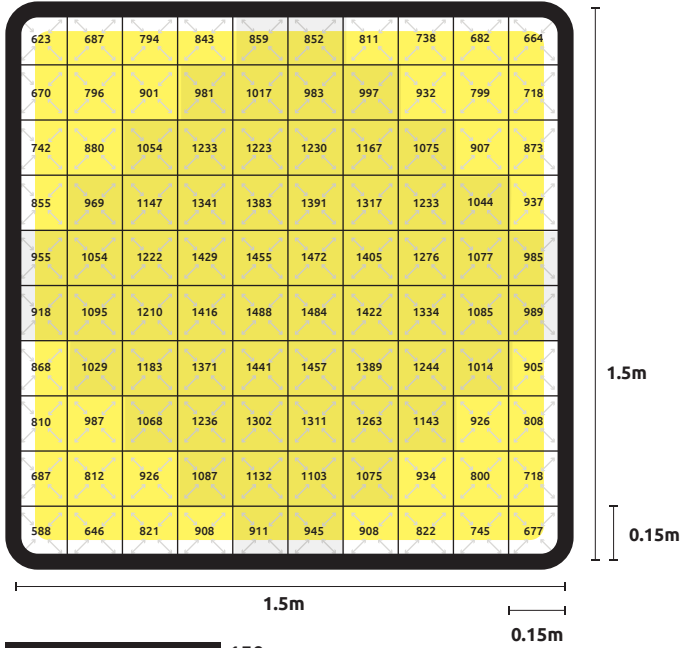


HEIGHT TO TEST POINT 40cm

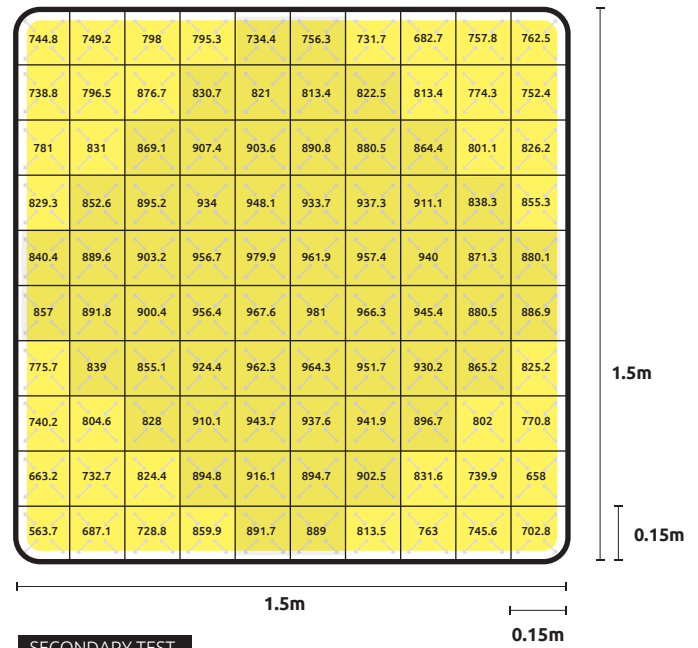
CANOPY AVERAGE PPFD 1095.4 $\mu\text{mol}/\text{s}/\text{m}^2$



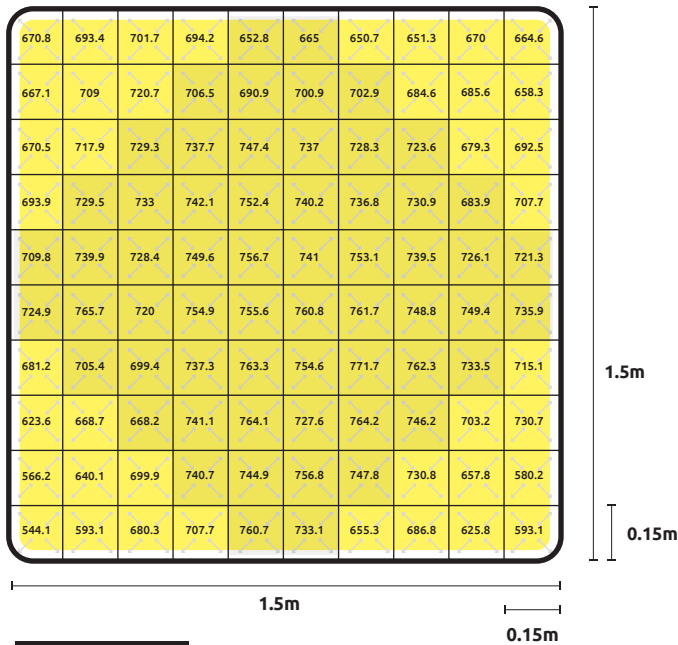
HEIGHT TO TEST POINT 52cm
CANOPY AVERAGE PPFd 1031.2 $\mu\text{mol/s/m}^2$



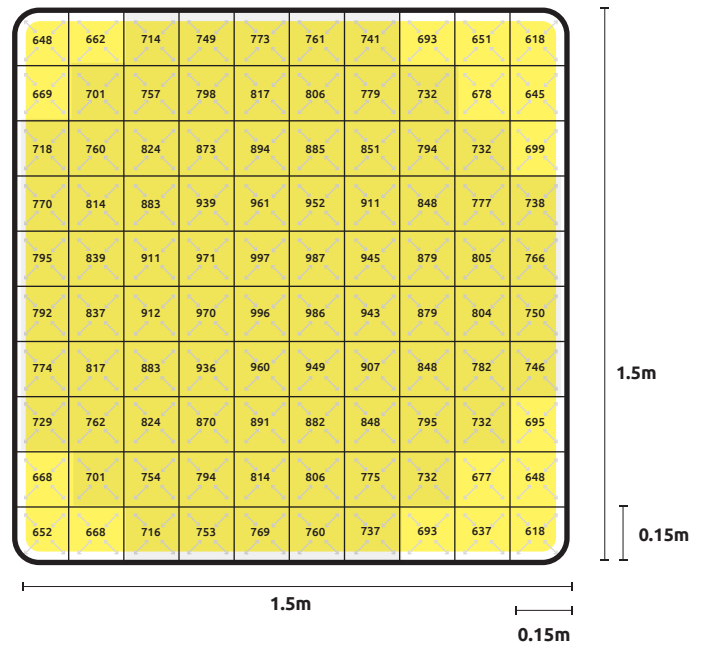
HEIGHT TO TEST POINT 100cm
CANOPY AVERAGE PPFd 846.3 $\mu\text{mol/s/m}^2$



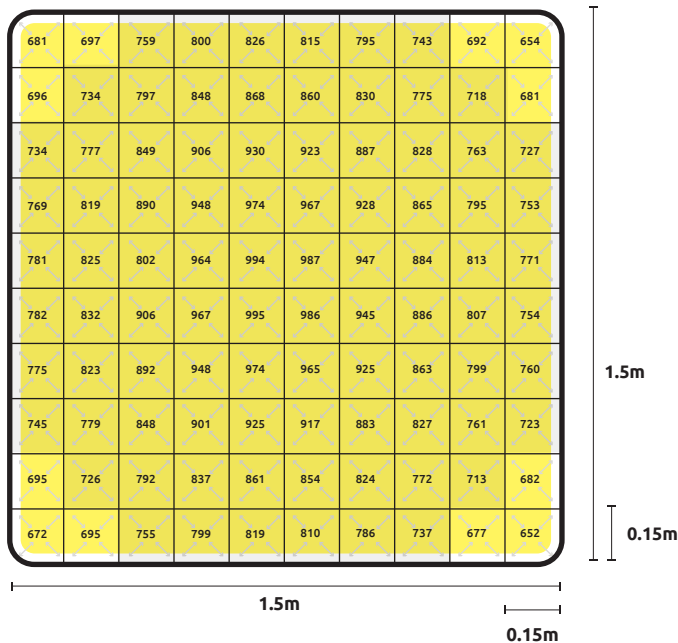
HEIGHT TO TEST POINT 150cm
CANOPY AVERAGE PPFd 708 $\mu\text{mol/s/m}^2$



SECONDARY TEST
 • 10 Bars at 75% Power
 • 67cm Height to Test Point
 • Max 1000 $\mu\text{mol/s/m}^2$ PPFd
 • Area: 2.25 m² (1,5x1,5m)



SECONDARY TEST
 • 8 Bars at 100% Power
 • 65.5cm Height to Test Point
 • Max 1000 $\mu\text{mol/s/m}^2$ PPFd
 • Area: 2.25 m² (1,5x1,5m)



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