

LUMATEK
PROFESSIONAL LIGHTING

ZEUS 465W COMPACT PRO



The **Zeus 465W** is a very high performance full-cycle top lighting solution for commercial and hobby horticulture cultivation, with the power and flexibility to scale from vegetative growth to higher light intensities in bloom.

2.7 $\mu\text{mol}/\text{J}$

1256 $\mu\text{mol}/\text{s}$ total output

Full-Spectrum



ZEUS 465W COMPACT PRO

EFFICACY 2.7 $\mu\text{mol}/\text{J}$

PPF 1256 $\mu\text{mol}/\text{s}$

INPUT VOLTAGE 200-240V, 50-60Hz

POWER CONSUMPTION 465W

FOOTPRINT 1.2 x 1.2m

APPLICATION Multi-layer, Room, Tent

WATERPROOF & DUSTPROOF IP65

LIFETIME (LED BARS) 60 000 hrs

LIGHT DISTRIBUTION 120°

LIGHT SOURCE Osram and LUMLED Diodes

DIODES RATIO Red 15% , White 85%

DIODES EFFICIENCY Osram Dark Red 660NM 3.3 $\mu\text{mol}/\text{J}$;
LUMLED White 3.3 $\mu\text{mol}/\text{J}$

DIMMABLE OFF-25%-50%-75%-100%
with 0-10V Light Dimmer (Included)

EXTERNAL CONTROL With Lumatek Digital Panel
(Sold Separately)

WEIGHT 11 Kg

DIMENSIONS 998x900x51.9mm

SPECTRUM Full Spectrum F

THERMAL MANAGEMENT Passive

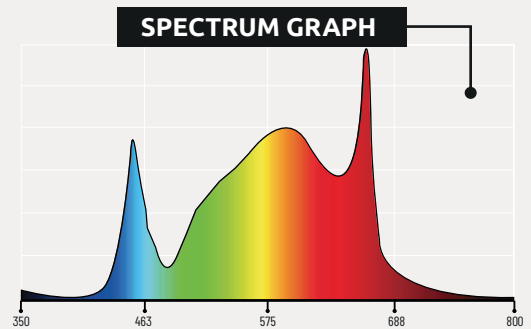
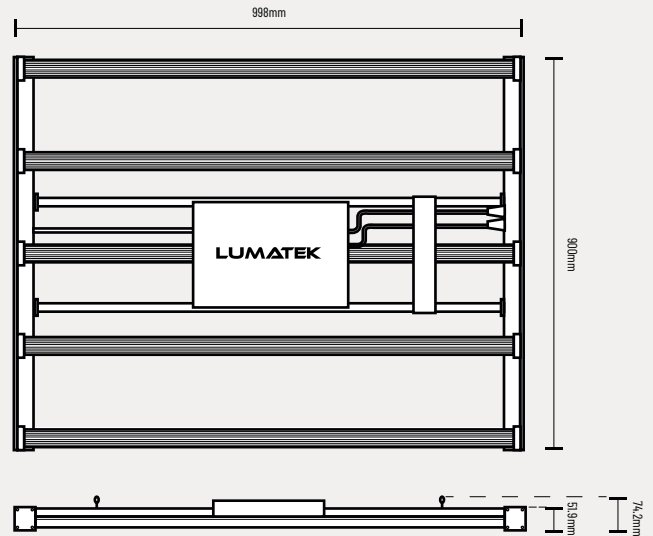
BTU (With Driver Attached): 1706 BTUs/h
(With Driver Remote): 1586 BTUs/h

POWER FACTOR >0.95

DRIVER LOCATION Fixed in structure or detachable
for remote use (Extension Cables
Sold Separately)

WARRANTY 5 Years

CERTIFICATIONS CE, IP65, UL1598, UL8800, EN61347-2-12,
EN 61347-1, IEC 60598-1-2014,



INPUT CURRENT (A/W) PER DIMMING RANGE

POWER (DIMMING)	25%	50%	75%	100%
AMPS	0.6A	1.1A	1.7A	2.1A
WATTAGE	116.3W	232.5W	348.8W	465W

EXTERNAL CONTROL

The Zeus fixture can also be externally controlled with a Lumatek digital lighting controller featuring automated dimming, temperature safety control, Sunrise & Sunset Mode for up to 100 fixtures per controller.



ITEMS INCLUDED IN THE BOX:

- 5 x Lumatek 93W Pro Full-Spectrum Magnet Light Bars*
- 1 x Lumatek 465W Driver with Connecting Cables
- 1 x 0-10V Light Dimmer + Velcro
- 1 x LED Structure with Connecting Cables
- 2 x Metal Cable Hangers
- 1 x Manual

* 93W Pro LED bar only to be used with compatible Zeus 465W Pro Driver/Fixture

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 600W PPFD MAPS

TEST AREA **1.2M x 1.2M**

TEST POINTS **25**

TEST EQUIPMENT **INTEGRATING 2 METER SPHERE & EVERFINE PLA20**

AMBIENT TEMPERATURE **25°**

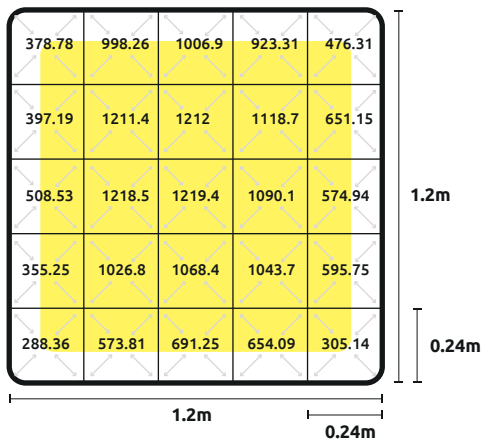
HEIGHT FROM CANOPY **15CM, 30CM, 50CM, 100CM, 150CM**

REFLECTION **0%**

HEIGHT TO TEST POINT **15cm**

CANOPY AVERAGE PPFD

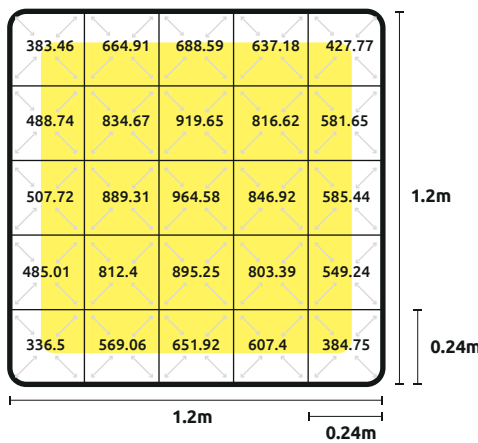
1,2m x 1,2m: **783.52 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **30cm**

CANOPY AVERAGE PPFD

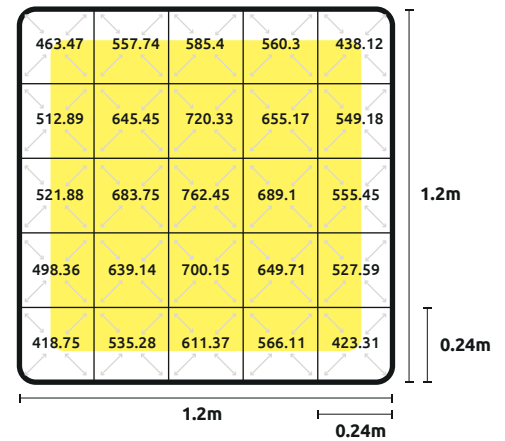
1,2m x 1,2m: **653.28 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **50cm**

CANOPY AVERAGE PPFD

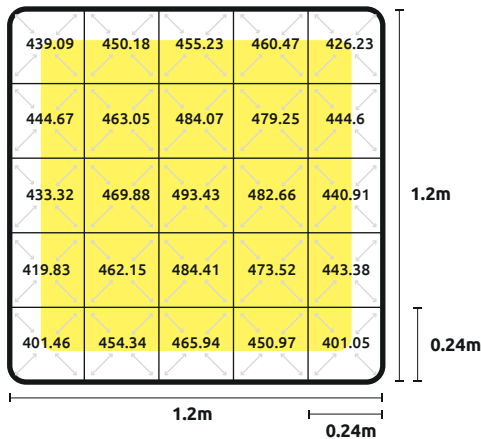
1,2m x 1,2m: **578.8 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **100cm**

CANOPY AVERAGE PPFD

1,2m x 1,2m: **452.96 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **150cm**

CANOPY AVERAGE PPFD

1,2m x 1,2m: **361.54 $\mu\text{mol}/\text{m}^2/\text{s}$**

