

LUMATEK
PROFESSIONAL LIGHTING

ZEUS 465W COMPACT



The Zeus 465W Compact 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.

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

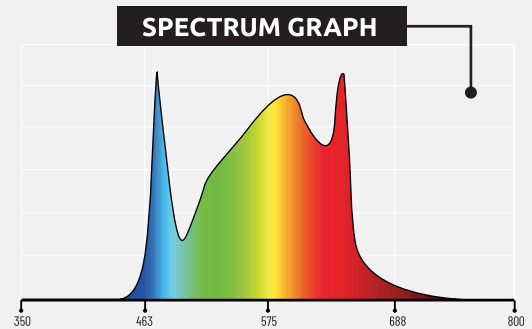
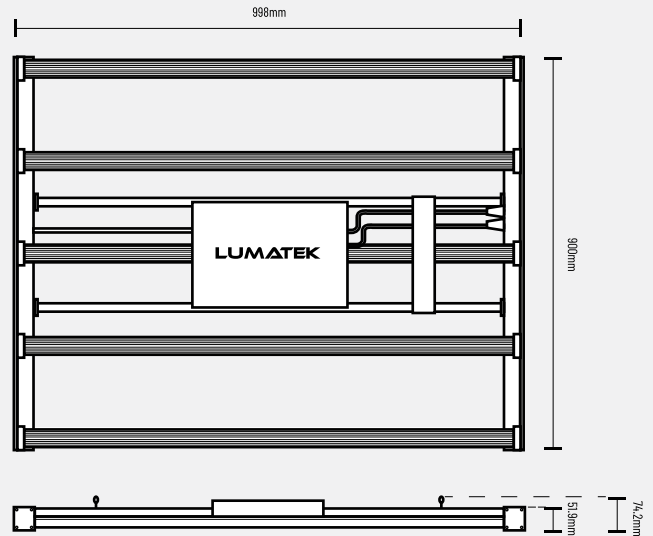
1070 $\mu\text{mol}/\text{s}$ total output

Full-Spectrum



ZEUS 465W COMPACT

- EFFICACY** 2.3 $\mu\text{mol/J}$
- PPF** 1070 $\mu\text{mol/s}$
- 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 Lumileds Philips Diodes
- DIODES RATIO** Red 8% , White 92%
- DIODES EFFICIENCY** Osram Dark Red 660NM 3.3 $\mu\text{mol/J}$
Lumileds Philips White 2.7 $\mu\text{mol/J}$
- 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 +
- 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,
GBT 33721-2017 & GB7000.1-2015



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 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 Standard LED bar only to be used with compatible Zeus 465W 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 465W 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**

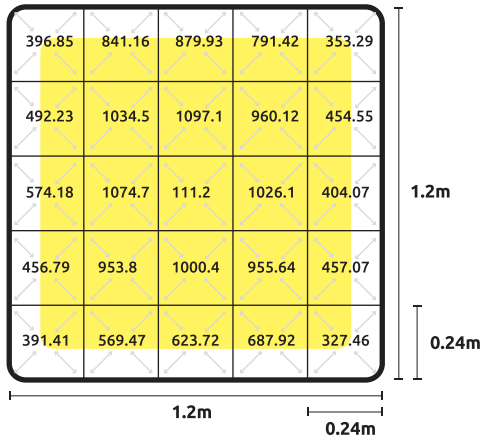
REFLECTION **0%**

FIXTURE POWER **100%**

HEIGHT TO TEST POINT **15cm**

CANOPY AVERAGE PPFD

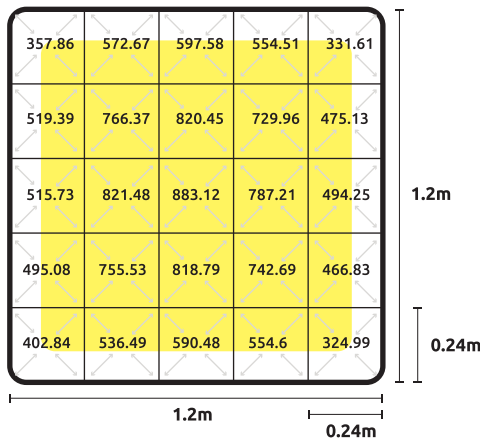
1,2m x 1,2m: **716.63 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **30cm**

CANOPY AVERAGE PPFD

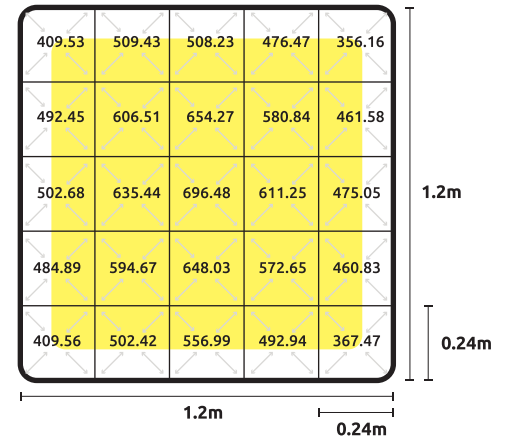
1,2m x 1,2m: **596.38 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **50cm**

CANOPY AVERAGE PPFD

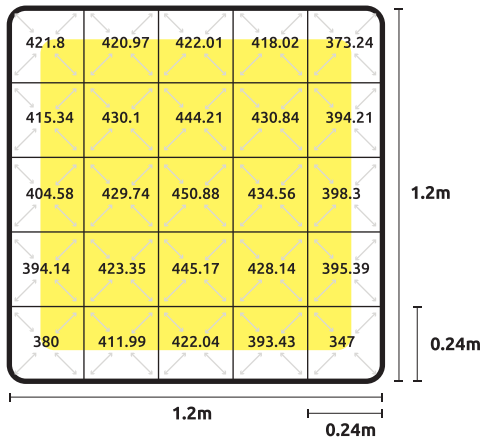
1,2m x 1,2m: **552.63 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **100cm**

CANOPY AVERAGE PPFD

1,2m x 1,2m: **412.26 $\mu\text{mol}/\text{m}^2/\text{s}$**



HEIGHT TO TEST POINT **150cm**

CANOPY AVERAGE PPFD

1,2m x 1,2m: **336.49 $\mu\text{mol}/\text{m}^2/\text{s}$**

