

INTRODUCING THE MOST POWERFUL AND SMART LED GROW LIGHT ON THE MARKET!



12 Years ago, Dimlux introduced the first ever groundbreaking remote controlled HPS ballast in combination with the Maxi Controller; The Dimlux Xtreme Series. Today, Dimlux introduces the smartest, most efficient and most powerful grow light on the market, the Dimlux Xtreme Series LED!

With this innovative LED fixture, Dimlux sets a benchmark for horticultural lighting.

With patented technology, advances in LED technology, and optimal thermal design, the Dimlux Xtreme Series LED will be the preferred option offering significant return on investment to cultivators. Our adjustable PhytoVegSpec® grow spectrum combines full control over light quality (spectral flexibility) and quantity (intensity and DLI) ensuring a uniform spread and even light distribution with extreme penetration into the canopy. The Dimlux Xtreme Series LED produces ultra-high levels of PPFD, evenly spread over a 1.5x1.5 m grow area, with a full grow spectrum, producing consistently high quality & high yield indoor crops.

The Dimlux Xtreme Series LED can be dimmed without losing efficiency. The spectrum and output power can be programmed depending on the time of day and the growing stage of the crop.

Auxiliary RGB LEDs with over 65k colors can be used as supplemental light and can be used as green work light in the dark phase. The work light can automatically be switched on by the internal radar proximity sensor.

PHYTOVEGSPEC® INDOOR +NIR

Our adjustable PhytoVegSpec® Indoor +NIR grow spectrum combines full control over light quality (spectral flexibility) and quantity (intensity and DLI) ensuring a uniform spread and even light distribution with extreme penetration into the canopy.

NIR stands for Near InfraRed spectroscopy, and it refers to the analytical technique of using near-infrared radiation to analyse samples for compositional or characteristic traits.

NIR is a region of the electromagnetic spectrum that has unique properties which make it very useful for characterizing materials. The NIR region is from 700 to 2500 nm. Light in this region interacts with OH, NH and CH bonds and certain wavelengths (frequencies) are associated with each bond type.

THE FUTURE OF GROWING JUST GOT BRIGHTER.



INTRODUCING THE NEW DIMLUX XTREME SERIES LED

Light Output Total
3142 $\mu\text{mol/s}$
(PPF 350-800nm)



INTRODUCING THE MOST POWERFUL AND SMART LED GROW LIGHT ON THE MARKET!

Made in Holland www.dimlux.nl



THE FUTURE OF GROWING
JUST GOT BRIGHTER.

V- 0706 2022

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THE FUTURE OF GROWING
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DIMLUX

XTREME SERIES 500W LED

Adjustable PhytoVegSpec® (+NIR) Indoor

Light Output Total
1571 $\mu\text{mol/s}$
(PPF 350-800nm)



SPECIFICATIONS

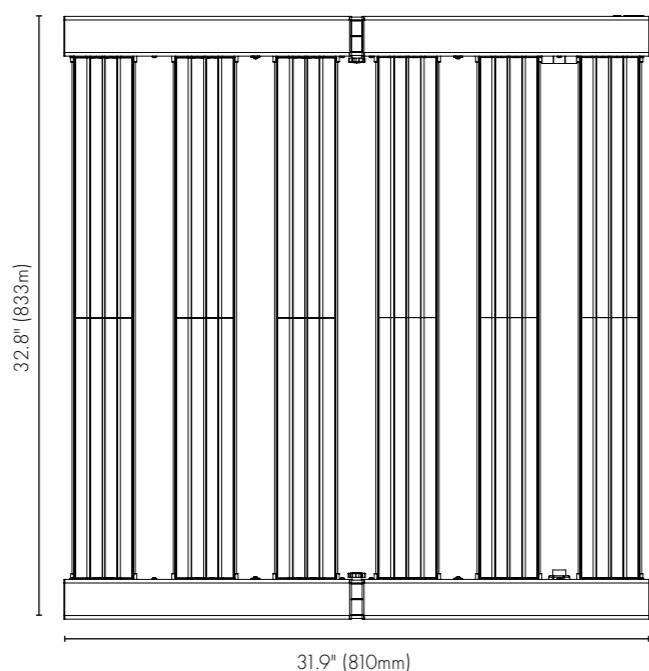
Spectrum Adjustable PhytoVegSpec® Indoor	
Light Output (PPF)	1500 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	1571 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.81 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.91 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	540W @ 230-240V AC

Spectrum Adjustable PhytoVegSpec® +NIR Indoor	
Light Output (PPF)	1420 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	1550 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.67 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.87 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	540W @ 230-240V AC

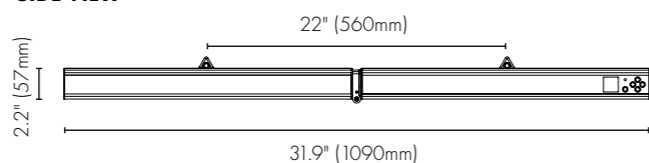
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Mounting Height Above Canopy	20-50 cm / 7.8-19.7 in
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F

Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Sensor, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
IP Rating	IP65
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC
Warranty	5 Year Standard

TOP VIEW



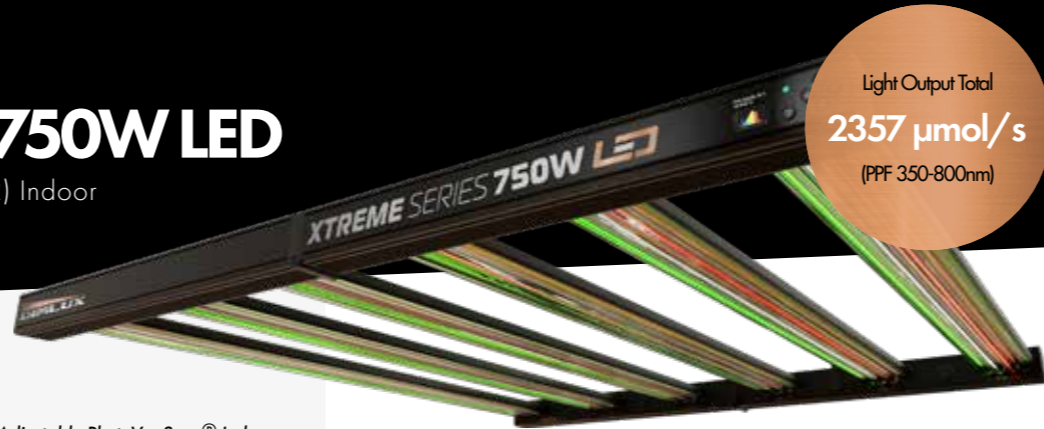
SIDE VIEW



XTREME SERIES 750W LED

Adjustable PhytoVegSpec® (+NIR) Indoor

Light Output Total
2357 $\mu\text{mol/s}$
(PPF 350-800nm)



SPECIFICATIONS

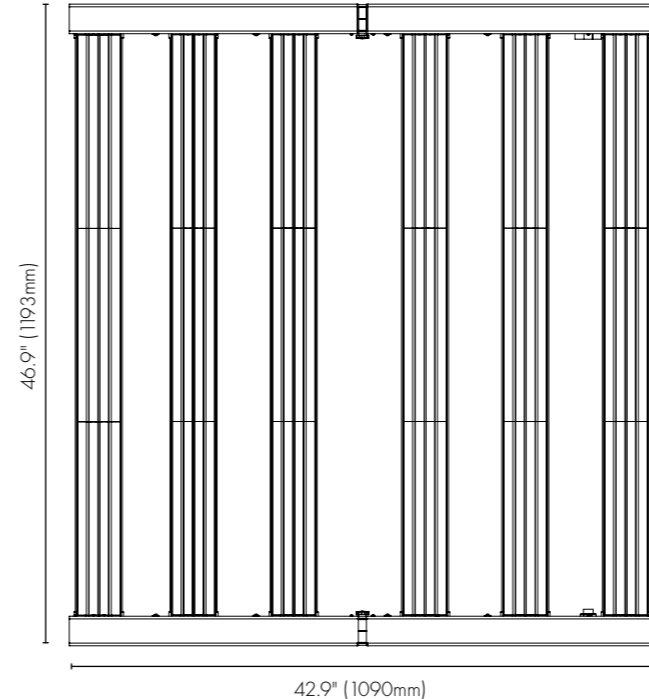
Spectrum Adjustable PhytoVegSpec® Indoor	
Light Output (PPF)	2276 $\mu\text{mol/s}$
Light Output T	2357 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.85 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.95 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	799W @ 230-240V AC

Spectrum Adjustable PhytoVegSpec® +NIR Indoor	
Light Output (PPF)	2159 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	2317 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.7 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.9 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	799W @ 230-240V AC

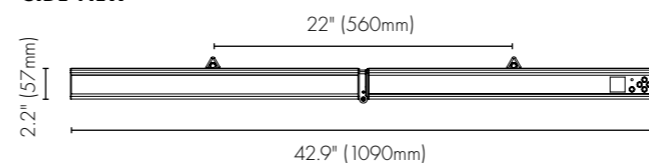
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Mounting Height Above Canopy	30-65 cm / 11.8-25.5 in
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F

Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Sensor, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
IP Rating	IP65
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC
Warranty	5 Year Standard

TOP VIEW



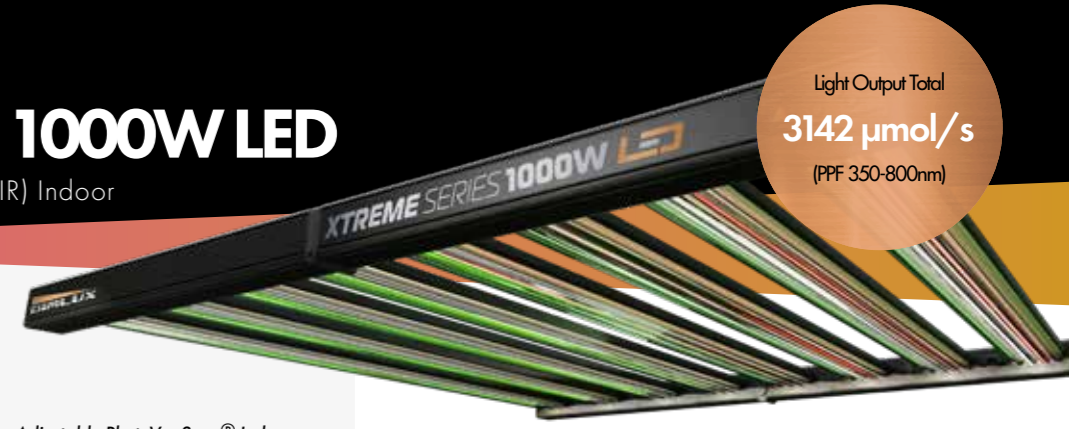
SIDE VIEW



XTREME SERIES 1000W LED

Adjustable PhytoVegSpec® (+NIR) Indoor

Light Output Total
3142 $\mu\text{mol/s}$
(PPF 350-800nm)



SPECIFICATIONS

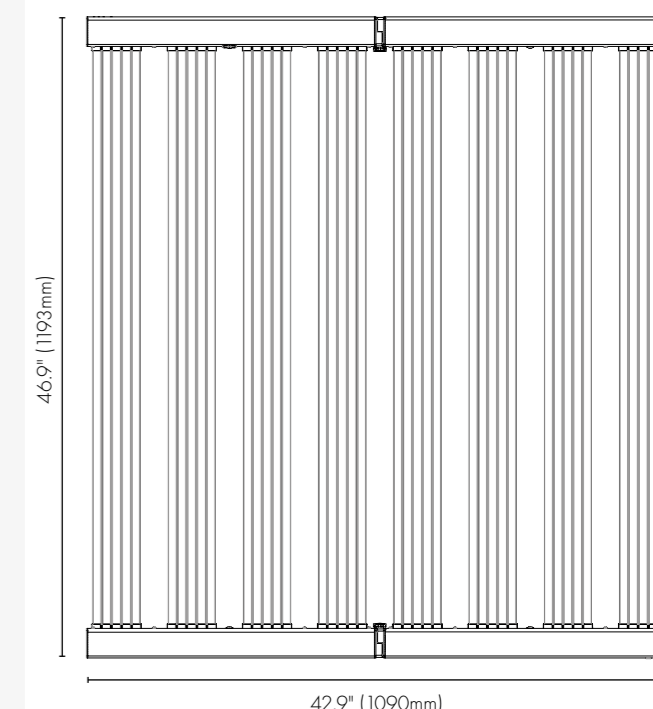
Spectrum Adjustable PhytoVegSpec® Indoor	
Light Output (PPF)	3035 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	3142 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.85 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.95 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	1065 @ 230-240V AC

Spectrum Adjustable PhytoVegSpec® +NIR Indoor	
Light Output (PPF)	2879 $\mu\text{mol/s}$
Light Output Total (PPF 350-800nm)	3059 $\mu\text{mol/s}$
PAR Photon Efficacy (400-700nm)	2.7 $\mu\text{mol/J}$ @ 230-240V AC
Total Photon Efficacy (350-800nm)	2.9 $\mu\text{mol/J}$ @ 230-240V AC
AC Input Power	1065W @ 230-240V AC

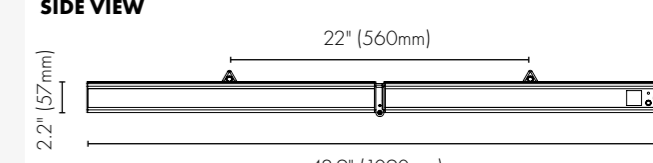
AC Input Voltage	120-277V AC, 50/60Hz
Beam Angle	90° × 120°
Optics	Patented Deep Penetration Ultra High Transmittance Lens
Auxiliary Light	Patented Light Pipe Multi Color 65k
Proximity sensor	Doppler Radar
Mounting Height Above Canopy	40-85 cm / 15.7-31.4 in
Thermal Management	Passive
Max. Ambient Temperature	40°C / 105°F

Control	By Maxi Controller or Internal Controller
Smartports (3x)	Interlink, Plant Temperature Sensor, Light Sensor
Display For Spectrum and GUI	1.54" 65k Color IPS
Total Harmonic Distortion (THD)	< 10%
Lifetime L90	> 50,000h
IP Rating	IP65
Certifications	CE, UL 8800, UL 1598 Wet Location, DLC
Warranty	5 Year Standard

TOP VIEW



SIDE VIEW

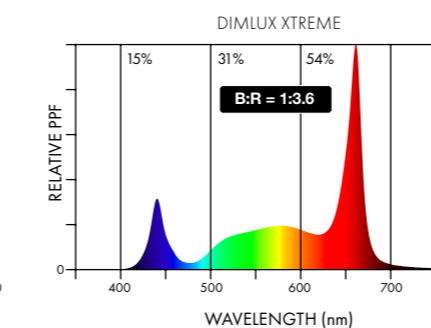
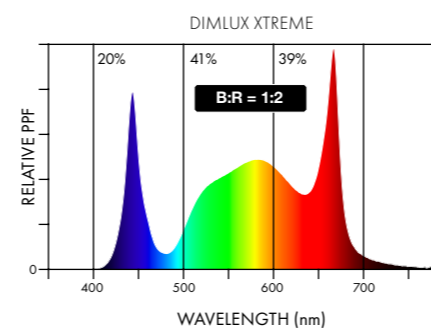
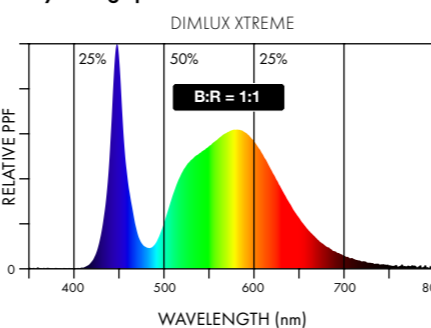


PHYTOVEGSPEC® INDOOR OR PHYTOVEGSPEC® INDOOR +NIR

Our adjustable PhytoVegSpec® Indoor grow spectrum combines full control over light quality (spectral flexibility) and quantity (intensity and DLI) ensuring a uniform spread and even light distribution with extreme penetration into the canopy.

NIR stands for Near InfraRed spectroscopy, and it refers to the analytical technique of using near-infrared radiation to analyse samples for compositional or characteristic traits. NIR is a region of the electromagnetic spectrum that has unique properties which make it very useful for characterizing materials. The NIR region is from 700 to 2500 nm. Light in this region interacts with OH, NH and CH bonds and certain wavelengths (frequencies) are associated with each bond type.

PhytoVegSpec® Indoor



PhytoVegSpec® +NIR Indoor

