LIGHTING REIMAGINED

LED LINEUP

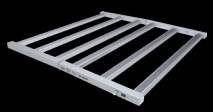




Say hello to the next generation of enhanced full-spectrum commercial light fixtures from ION. Our most powerful unit can exceed the light output of a 1000W Double-Ended High Intensity Discharge Lamp– but reduce electrical usage and HVAC costs by nearly 35%. Professional cultivators can achieve ultimate yield and quality without breaking the bank or sacrificing sustainability.



XR-830W LED



720W LED



630W LED



400W LED



120W LED



36W LED

www.ionlight.com | info@ionlight.com | Exclusively Distributed by ION Lighting.





LIGHTING REIMAGINED

A New Standard in Horticultural Lighting

At ION, we don't just build lights – we engineer growth. Each fixture in our lineup is designed with the needs of modern cultivators in mind: unmatched efficiency, precision spectrum output, and industrial-grade reliability. Whether you manage a small indoor operation or a multi-state facility, ION gives you the power to maximize yield, enhance plant quality, and lower operating costs across every stage of growth.

Our commitment to innovation is rooted in performance. Backed by rigorous testing and real-world results, ION lighting systems are trusted by professionals who demand more from every square foot – and every photon.

Welcome to a new era of intelligent cultivation.

Welcome to ION.

LIGHTING REIMAGINED

XR-830W LED



COMMERCIAL GRADE

Technical Specifications

Input Power	830W
Input Voltage	120V-277V
120V	6.92A
208V	3.99A
240V	3.46A
277V	3.00A
480V	1.73A
Input Frequency	50/60 Hz
Light Output: PPF	2573 µmol/s
Efficacy	3.1 µmol/J
Lifetime L90	≥ 50,000 hrs
Water-Resistance	IP 66
Warranty	5 Year Standard Warranty
Dimensions	1067 x 1067 x 65 mm 42.01 x 42.01 x 2.56 inch
Weight	14 kgs / 30.86 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.95

XR-830W LED

One of the most powerful commercial LED lights on the market, the XR-830W LED has increased red to improve efficiency and effectiveness, soft-start / random start, soft dimming (step measure), and foldable design for ease of transportation & installation. With over voltage & undervoltage protection, it doesn't get more powerful and featured than this.

3M cord included. Nema adapter purchased separately.
***480V Special Order Available. 60-120 Day Lead Time.**

Maximum Power

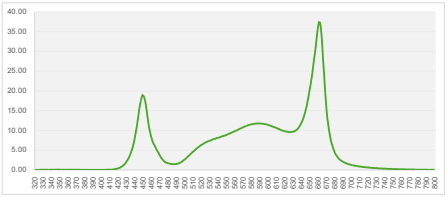
5 Year Warranty

DLC listed Peace-of-Mind

Lifetime L90 ≥ 50,000 hrs

PPF ≈ 2573 PPF (µmol/sec)

Water Resistant IP 66 Rating



DLC: IONLED COMM830

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THE MOST PREFERED COMMERCIAL LED LIGHT ON THE MARKET

XR-830W LED

ION has created the next generation of full spectrum commercial LED fixtures. ION XR-830W grow lights are one of the most powerful LED lights in its class with a standard ppf of 2573 µmol/s and an impressive efficacy of 3.1 µmol/J per watt. The ION XR LED was built for professional cultivators who demand the ultimate yield and quality.

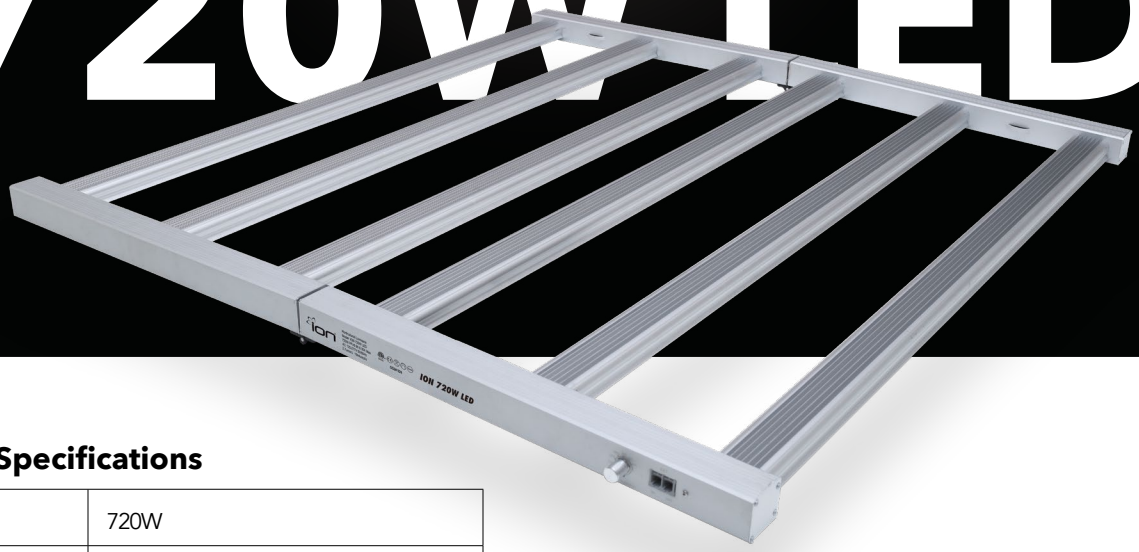
Full Spectrum: FSG

The specially deployed full spectrum fills the negligence of the main photoreceptors and pigments outside the 660nm and 450nm range and it is suitable for reproduce on to aging in indoor environments which increases the radiant energy of red light at 660nm wavelength in white light . The overall color temperature of s full spectrum FSG' s controlled at 4000K. It provides a beautiful working environment and a more realistic color reproduction degree at a CRI level of 88.



LIGHTING REIMAGINED

720W LED



Technical Specifications

Input Power	720W
Input Voltage	120V-277V
120V	6.05A
208V	3.47A
220V	3.28A
240V	3.0A
277V	2.60A
Input Frequency	50/60 Hz
Light Output: PPF	1896 µmol/s
Efficacy	2.7 µmol/J
Lifetime L80	≥ 50,000 hrs
Water-Resistance	IP 65
Warranty	5 Year Standard Warranty
Dimensions	1105 x1033 x 48 mm 43.5 x 40.67 x 1.89 inch
Weight	8.5 kgs / 18.74 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.96

720W LED

Superior to any 1000W HPS, with up to 40% energy savings and 40% less HVAC required, the 720W LED is powerful & feature packed to increase your yield and your wallet. Over voltage & undervoltage protection will ensure you never have to worry about anything but your grow.

***480V Special Order Available. 60-120 Day Lead Time.**

Professional Cultivator Designed

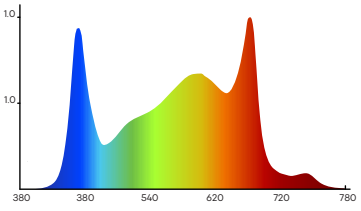
5 Year Warranty

DLC listed Peace-of-Mind

Lifetime L80 ≥ 50,000 hrs

PPF ≈ 1896 PPF (µmol/sec)

Water Resistant IP 65 Rating



DLC: IONLED 19879 FSG 25 D1

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POWERFUL & FEATURE PACKED TO INCREASE YOUR YIELD

720W LED

ION has created the next generation of full spectrum LED fixtures. ION 720W grow lights are one of the most powerful LED lights in its class with a standard ppf of 1896 µmol/s and an impressive efficacy of 2.7 µmol/J per watt. The ION LED was built for cultivators who demand the ultimate yield and quality.

Full Spectrum: FSG

The unique deployed full spectrum fills the negligence of the main photoreceptors and pigments outside the 660nm and 450nm range. It's suitable for reproduce on to aging in indoor environments which increases the radiant energy of red light at 660nm wavelength in white light. The overall color temperature of full spectrum FSG's controlled at 4000K. It provides a beautiful working environment and a more realistic color reproduction degree at a CRI level of 88.



LIGHTING REIMAGINED

400W LED



COMMERCIAL GRADE

Technical Specifications

Input Power	400W
Input Voltage	120V-277V
120V	3.40A
208V	1.93A
240V	1.67A
277V	1.45A
Input Frequency	50/60 Hz
Light Output: PPF	1040 µmol/s
Efficacy	2.60 µmol/J
Lifetime L90	≥ 50,000 hrs
Water-Resistance	IP 66
Warranty	5 Year Standard Warranty
Dimensions	1199 x 1194 x 72 mm
Weight	6.5 kg / 14.33 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.97

400W LED

Meet our 400W LED Grow Light - perfect for indoor and greenhouse cultivation. It's efficient, long-lasting, and provides powerful illumination, ensuring exceptional results from start to finish. Boost your yields with ease!

Daisy Chain Series Compatible

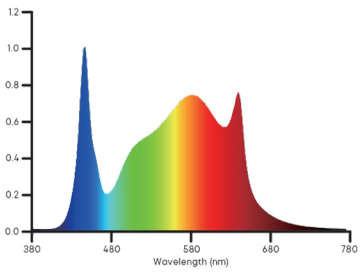
5 Year Warranty

DLC listed Peace-of-Mind

Lifetime L90 ≥ 50,000 hrs

PPF ≈ 1040 PPF (µmol/sec)

Water Resistant IP 66 Rating



OPTIMIZED FOR ALL STAGES OF PLANT GROWTH

400W LED

Achieve ultimate growing power through the best possible LED diodes available.

Complete Control

Growers can set the optimal intensity for the clone and veg growth stages to stimulate peak photosynthesis. Compatible with most lighting controllers.

Energy Saving

With more energy savings and less HVAC required, you can optimize your grow while saving on utility costs and reducing your ecological footprint.

Uniform Light Distribution

The ION 400W LED is engineered to deliver consistent levels of photosynthetic flux density (PPFD).





LIGHTING REIMAGINED

120W LED



COMMERCIAL GRADE

Technical Specifications

Input Power	120W
Voltage Range	120-277V
Power Factor	≥ 0.97
Input Frequency	50/60 Hz
Light Output: PPF	360 µmol/s
Efficacy	3.00 µmol/J
Spectrum	Full-Spectrum + Blue + Red + Far-Red
Beam Angle	150°
Dimming	0–10V analog
Control Interface	0–10V Controller Compatible
Mounting Height	6"–12" from canopy floor
Dimensions	1160 × 84 × 96 mm / 45.7 × 3.3 × 3.8 in
Weight	2.5 kg / 5.5 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0–95% RH
IP Rating	IP 65
Thermal Management	Passive cooling (no fan)
Lifetime L90	≥ 50,000 hrs
Safety Features	Short/open circuit, inrush protection
Warranty	5-Year Standard Warranty

120W LED Under Canopy Light

The ION 120W Under Canopy LED isn't just another light–it's the missing piece for serious cultivators. Built to energize canopy zones most fixtures miss, it delivers a spectrum tuned for cannabis with blue, red, and far-red. The result: bigger yields, higher resin production, and more top-shelf flower from every run. With 360 µmol/s of output and 3.0 µmol/J efficiency, the ION 120W transforms the lower canopy from wasted space into a profit engine. ***Stand Sold Separately.**

- **Aluminum Housing**
- **High Quality Led Diodes**

Maximum Power

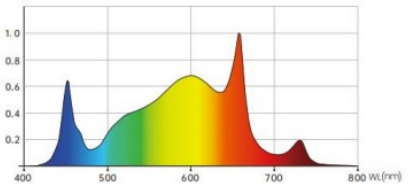
5 Year Warranty

DLC listed Peace-of-Mind

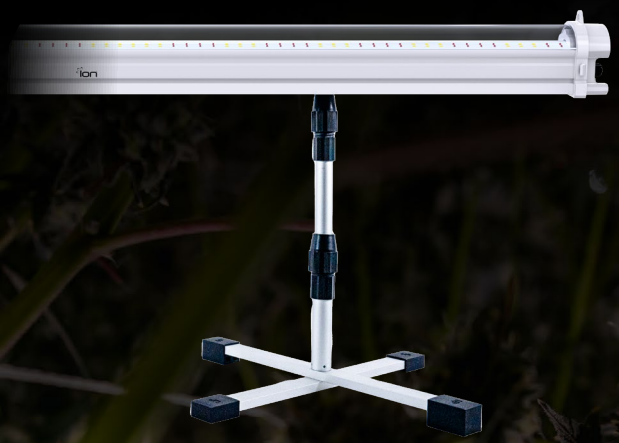
Lifetime L90 ≥ 50,000 hrs

PPF ≈ 360 PPF (µmol/sec)

Water Resistant IP 65 Rating



LIGHT UP THE LOWERS. 120W. 360 MMOL/S..



Under-Canopy Brilliance

Overhead lighting doesn't reach every part of a dense canopy. The ION 120W Under-Canopy LED is designed to supplement light in lower plant zones, delivering full-spectrum output where overhead coverage is limited. Its linear design and 150° beam angle support light distribution beneath the main canopy..

Precision-Tuned Spectrum

The ION 120W combines full-spectrum light with blue, red, and far-red components to supplement lower-canopy lighting. With 360 µmol/s PPF and 0–10V analog dimming, growers can adjust light output to match their cultivation setup and lighting strategy.

Why This Spectrum Matters

Full-spectrum output with blue, red, and far-red components provides a range of wavelengths used in horticultural lighting. Positioned beneath the foliage, the fixture supplements overhead light in areas receiving less exposure. Its 150° beam angle supports broad light distribution throughout the lower-canopy zone.

Commercial-Grade Efficiency

Operating at 120W, the ION Under-Canopy LED delivers 360 µmol/s PPF at an efficacy of 3.0 µmol/J. Its IP65 rating, passive cooling (no fan), and 0–10V analog dimming support use in commercial cultivation environments. **Backed by a 5-Year Standard Warranty.**

The Bottom Line

Overhead fixtures handle the main canopy. The ION 120W brings supplemental light to the lower zones, with adjustable output, a 150° beam angle, and a five-year standard warranty. A practical lighting option for growers looking to improve light distribution beneath dense foliage.

Lighting Reimagined.

*Stand Sold Separately

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LIGHTING REIMAGINED

36W LED



COMMERCIAL GRADE

Technical Specifications

Input Power	18W
Input Voltage	120V-277V
120V	0.152A
208V	0.092A
240V	0.085A
277V	0.075A
Input Frequency	50/60 Hz
Light Output: PPF	41.4 µmol/s
Efficacy	2.3 µmol/J
Lifetime L90	> 54,000 hrs
Water-Resistance	IP 65
Warranty	5 Year Standard Warranty
Dimensions	1120x31x55 mm / 44.0 9x1.22x1.5 inch
Weight	04. kg I 0.88 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.90

36W Clone LED

This low and delicate 36W Clone LED light is perfect for rooting and is a great replacement for T5/T8 fluorescent lamps. With no glass construction, it is far more durable in shipping and handling than traditional fluorescent lights.

Rooting, Clone & Veg Optimized

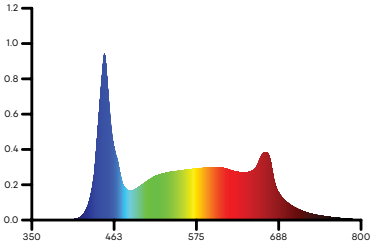
5 Year Warranty

DLC listed Peace-of-Mind

Lifetime L90 > 54,000 hrs

PPF ≈ 41.4 PPF (µmol/sec)

Water Resistant IP 65 Rating



DLC: IONLED 23636 K14 23

DURABLE NO GLASS BUILT FOR ROOTING & CLONING

36W Clone LED

Achieve ultimate growing power through the best possible LED diodes available. ION 36W Clone LED grow lights are one of the most powerful LED lights in its class with a standard ppf of 41.4 µmol/s and an impressive efficacy of 2.3 µmol/J per watt.

Complete Control

Growers can set the optimal intensity at the clone stage to stimulate peak photosynthesis Compatible with most lighting controllers.

Energy Saving

With more energy savings and less HVAC required, you can optimize your grow while saving on utility costs and reducing your ecological footprint.




ion LED 18W
ion LED 18W




ion
LIGHTING REIMAGINED