



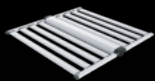
LED LINEUP



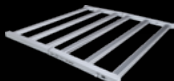
Say hello to the next generation of enhanced full-spectrum commercial light fixtures from ION. Our most powerful unit can exceed the light output of a 1000W Double-Ended High Intensity Discharge Lamp— but reduce electrical usage and HVAC costs by nearly 35%. Professional cultivators can achieve ultimate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



800W
LED



XR-830W
LED



720W
LED



630W
LED



400W
LED



120W
LED



36W
LED





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.

800W LED



Technical Specifications

Input Power	800W
Input Voltage	240V-277V
208V	3.86A
220V	3.64A
240V	3.33A
277V	2.88A
Input Frequency	50/60 Hz
Light Output: PPF	2480 $\mu\text{mol/s}$
Efficacy	3.1 $\mu\text{mol/J}$
Lifetime L90	$\geq 50,000$ hrs
Water-Resistance	IP 65
Warranty	5 Year Standard Warranty
Dimensions	1067 x 1067 x 65 mm 47.24 x 43.31 x 3.15 inch
Weight	12.5 kgs / 27.56 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Thermal Management	Passive
Power Factor	≥ 0.96

800W LED

Outshine traditional 1000W HPS with the ION 800W LED – engineered to deliver maximum output at 3.1 $\mu\text{mol/J}$ while cutting energy costs by over 40%. Built tough for commercial cultivation, this fixture offers elite performance with less HVAC demand and full-spectrum precision.



**Full-Spectrum
Output**



**5 Year
Warranty**



**DLC listed
Peace-of-Mind**



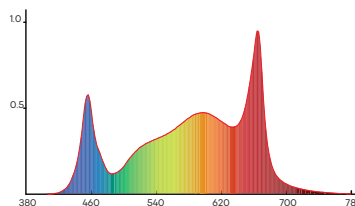
**Lifetime L90
 $\geq 50,000$ hrs**



**PPF ≈ 2480 PPF
($\mu\text{mol/sec}$)**



**Water Resistant
IP 65 Rating**



DLC: IONLED COMM800

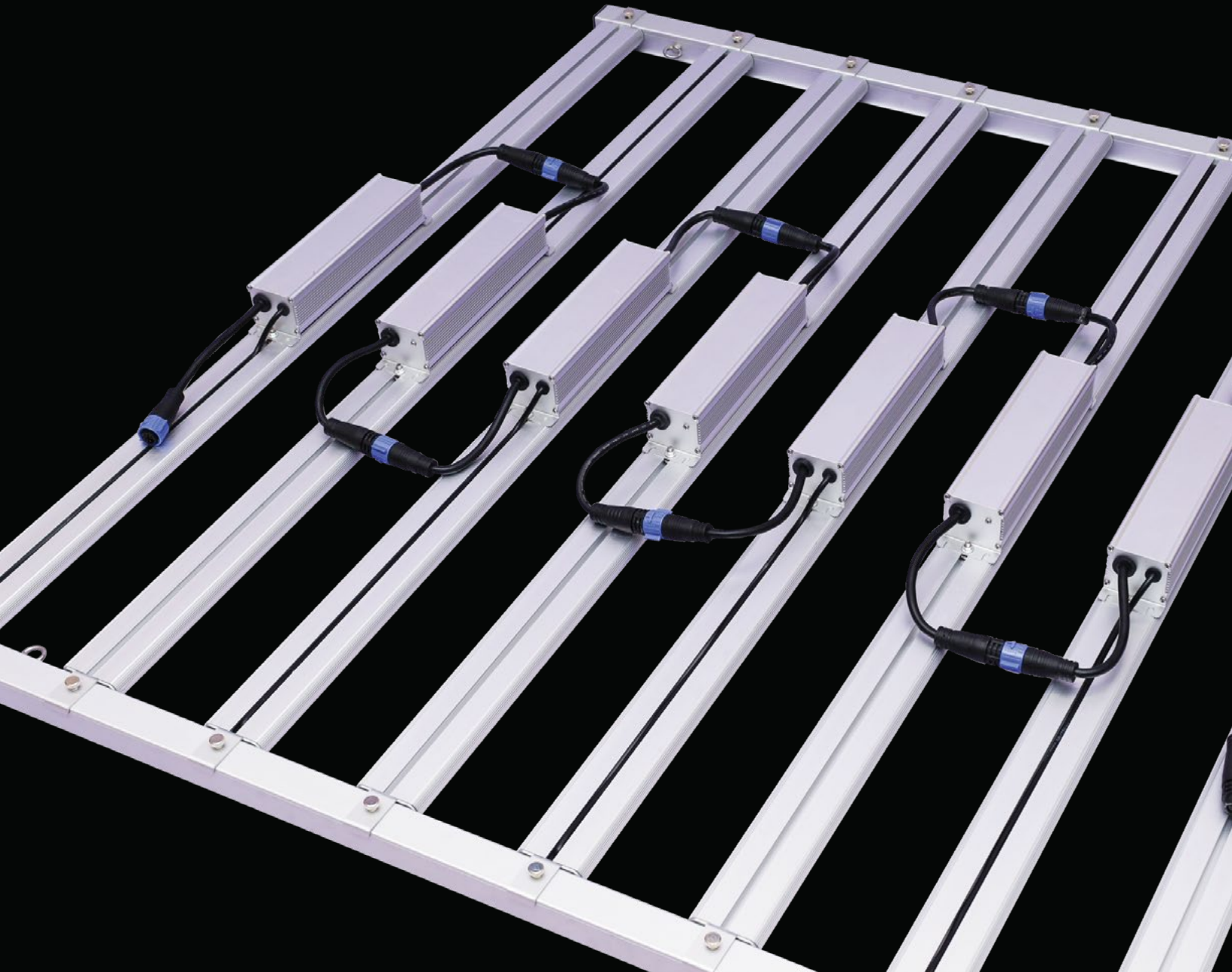
ENGINEERED TO MAXIMIZE YIELD, EFFICIENCY & QUALITY

800W LED

ION's 800W LED grow light is a premium, full-spectrum fixture designed to meet the high expectations of professional cultivators. With a PPF of 2480 $\mu\text{mol/s}$ and an outstanding efficacy of 3.1 $\mu\text{mol/J}$, it's built to push yields, improve quality, and lower operating costs across all stages of plant growth.

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.



XR-830W LED



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 $\mu\text{mol/s}$
Efficacy	3.1 $\mu\text{mol/J}$
Lifetime L90	$\geq 50,000$ 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**



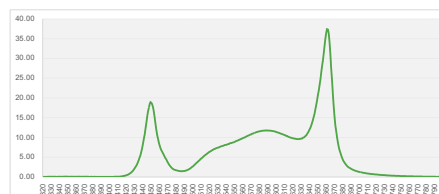
**Lifetime L90
 $\geq 50,000$ hrs**



**PPF ≈ 2573 PPF
($\mu\text{mol/sec}$)**



**Water Resistant
IP 66 Rating**



DLC: IONLED COMM830

THE MOST PREFERRED 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 $\mu\text{mol/s}$ and an impressive efficacy of 3.1 $\mu\text{mol/J}$ 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.



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 $\mu\text{mol/s}$
Efficacy	2.7 $\mu\text{mol/J}$
Lifetime L80	$\geq 50,000$ hrs
Water-Resistance	IP 65
Warranty	5 Year Standard Warranty
Dimensions	1105 x 1033 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**



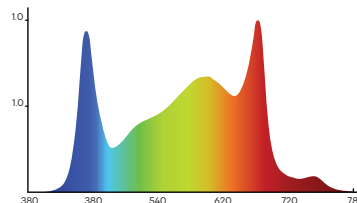
**Lifetime L80
 $\geq 50,000$ hrs**



**PPF ≈ 1896 PPF
($\mu\text{mol/sec}$)**



**Water Resistant
IP 65 Rating**



DLC: IONLED 19879 FSG 25 D1

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 $\mu\text{mol/s}$ and an impressive efficacy of 2.7 $\mu\text{mol/J}$ 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.



400W LED



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 $\mu\text{mol/s}$
Efficacy	2.60 $\mu\text{mol/J}$
Lifetime L90	$\geq 50,000$ 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**



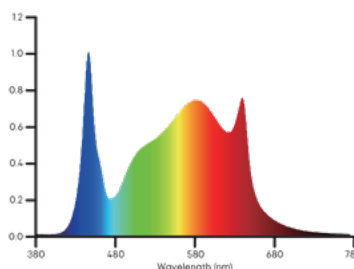
**Lifetime L90
 $\geq 50,000$ hrs**



**PPF ≈ 1040 PPF
($\mu\text{mol/sec}$)**



**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).



120W LED



Technical Specifications

Input Power	120W
Voltage Range	120-277V
Power Factor	≥ 0.97
Input Frequency	50/60 Hz
Light Output: PPF	360 $\mu\text{mol/s}$
Efficacy	3.00 $\mu\text{mol/J}$
Spectrum	Full-Spectrum + Blue + Enhanced Red + Deep Far-Red
Beam Angle	150°
Dimming	0-10V analog
Mounting Height	6"–12" from canopy floor
Dimensions	1105 × 36 × 30 mm / 43.5 × 1.4 × 1.2 inch
Weight	2.5 kg / 5.5 lbs
Operating Temperature	0°C~35°C / 32°F~95°F
Operating Humidity	0%~95%
Water-Resistance	IP 65
Thermal Management	Passive
Lifetime L90	≥ 50,000 hrs
Warranty	3 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 balanced blue, enhanced red, and deep far-red. The result: bigger yields, higher resin production, and more top-shelf flower from every run. With 360 $\mu\text{mol/s}$ of output and 3.0 $\mu\text{mol/J}$ 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



3 Year Warranty



**DLC listed
Peace-of-Mind**



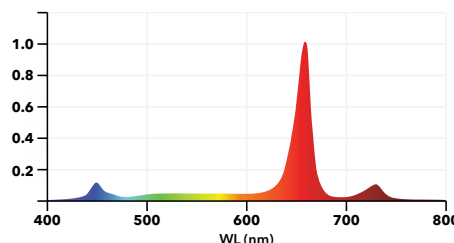
**Lifetime L90
≥ 50,000 hrs**



**PPF ≈ 360 PPF
($\mu\text{mol/sec}$)**



**Water Resistant
IP 65 Rating**



LIGHT UP THE LOWERS. MAX OUT YOUR YIELD.



Under-Canopy Brilliance

Illuminate where it matters most. The ION 120W Under Canopy LED targets lower bud sites with a powerful, full-spectrum blend – unlocking the potential of shaded zones and transforming every inch of your canopy into a high-performance production layer.

Precision-Tuned Spectrum

Tuned with balanced blue, enhanced red, and deep far-red to stimulate photosynthesis and flower initiation. This scientifically refined spectrum drives uniform ripening, resin production, and expanded yields.

Why This Spectrum Matters

Enhanced Red and Deep Far-Red drive the Emerson Effect, boosting photosynthesis, flower initiation, and bud swell.

- Blue (450 nm) supports structure and node stacking.
- Green (~520 nm) improves light penetration through dense foliage.
- Red (660 nm) powers flowering and bud weight.
- Far-Red (730 nm) promotes uniform ripening and expanded yields.

Sustainable Efficiency

With an impressive efficacy of 3.0 $\mu\text{mol/J}$, the ION 120W Under Canopy LED delivers maximum usable light per watt – cutting energy costs without compromising performance. Its IP65-rated housing, passive cooling, and 0-10V dimming guarantee reliability in demanding commercial environments.

The Bottom Line

You've optimized your top lighting – now complete the spectrum. The ION 120W Under Canopy LED powers growth where light rarely reaches, driving heavier yields, improved uniformity, and measurable ROI in a single run.

Get Deep. Finish Heavy.

36W LED



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 $\mu\text{mol/s}$
Efficacy	2.3 $\mu\text{mol/J}$
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 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**



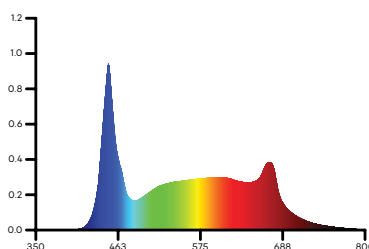
**Lifetime L90
> 54,000 hrs**



**PPF \approx 41.4 PPF
($\mu\text{mol/sec}$)**



**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 $\mu\text{mol/s}$ and an impressive efficacy of 2.3 $\mu\text{mol/J}$ 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.



