

ILUMINAR®

CATALOG 2026

WELCOME

Welcome to ILUMINAR Lighting, where we bring the latest technologies to greenhouse and indoor lighting. We have a wide selection of cutting edge fixtures as well as mature technology platforms that perform predictably and with excellent reliability.

We provide expert lighting solutions for professional gardens.

We care about what experienced growers care about: converting as much power from the socket into a pure, full spectrum for your plants, as efficiently as possible.

ILUMINAR Lighting continues to work alongside commercial horticulturists to break new ground in the lighting industry. Our history of innovation and support keeps you ahead of the curve on indoor/outdoor lighting techniques and technologies.

ILUMINAR Lighting provides a full line of complete solutions for every application.

ILLUMINATING THE FUTURE
OF INDOOR GROWING

ILUMINARLIGHTING.COM

ILUMINAR®

LED LIGHTING SOLUTIONS

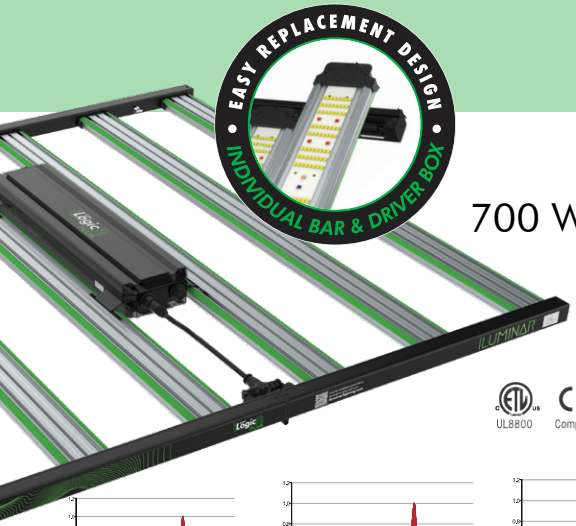
Years of research has led ILUMINAR Lighting to discover the type of LED spectrums that will perform within our agricultural sector. The ILUMINAR Lighting Full Spectrum Grow LED is capable of growing plants from seed to harvest, in various applications, by replicating the full body of light required to create chlorophyll a and chlorophyll b, essential in developing all plants.

LED lighting has evolved, and ILUMINAR Lighting continues to change as the industry develops. We provide the best spectrum available and best possible efficacy available on the market. ILUMINAR Lighting is pushing the science and purpose of LED lighting and delivering superior results in the commercial and hobby markets.

LED SPECIFICATIONS

Emitter Cooler	Passive / Extruded Case
Dimming / Controllable	0 - 10V / RS485 Controllable
Light Distribution +/- 5%	125º
LED Lifespan (90% of Life)	55,000+ hours
Min Power Factor	0.9 / 0.95

All fixtures available 120 - 480V



700 W | 1050W

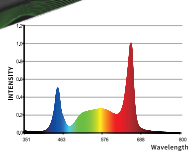
5 YEAR WARRANTY

UL8800 Compliant IP65

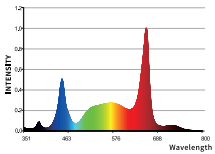
iLogic PLUS MS

Adjustable Spectrum Advanced LED for Flowering

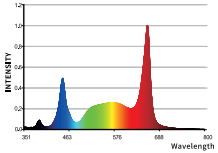
Featuring multi-channel control, growers can precisely and independently specify the timing and intensity of far-red, UV-A, and full spectrum light output during the light-cycle.



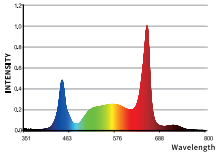
Full Spectrum on 100%



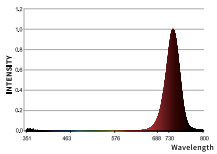
Full spectrum 100% on +UV 100% on + FAR red100% on



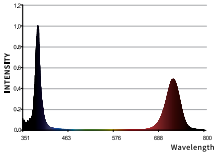
Full Spectrum 100% on + UV 100% on



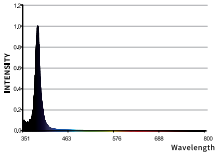
Full Spectrum 100% on + FAR Red 100% on



FAR Red 100% on



UV 100% on + FAR Red 100% on



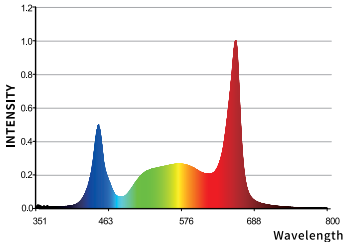
UV 100% on

1050W iLogic MS PLUS	ePAR - PPF ePAR Efficacy Input Power	3483 µmol/s 3.05 µmol/J 1050 Watts	43.3" x 43.3.4" x 2.9" 1100 x 1100 x 75 mm 37.4 lbs (17 kg)	Volts Amps	120V 8.75A	208V 5.05A	220V 4.78A	240V 4.38A	277V 3.79A	SKU: IL-L1050MS
700W iLogic MS PLUS	ePAR - PPF ePAR Efficacy Input Power	2298 µmol/s 3.04 µmol/J 700 Watts	43.3" x 43.3.4" x 2.9" 1100 x 1100 x 75 mm 34.1 lbs (15.5 kg)	Volts Amps	120V 5.84A	208V 3.37A	240V 3.19A	240V 2.92A	277V 2.53A	SKU: IL-L700MS

iLogic PLUS FS

LED for the Most Demanding Cultivars

When it comes to sheer lighting power, the iLogic™FS Plus 1030W is the pinnacle of LED grow light performance.



340 W | 630W | 1030W

5 YEAR WARRANTY

UL8800 Compliant



340W iLogic FS PLUS	PPF Efficacy Input Power	1038 µmol/s 2.88 µmol/J 340 Watts	43.3" x 43.3" x 2.9" 1100 x 1100 x 75 mm 24,2 lbs (11 kg)	Volts Amps	120V 2.84A	208V 1.64A	220V 1.55A	240V 1.42A	277V 1.23A	SKU: IL-IL340FS
630W iLogic FS PLUS	PPF Efficacy Input Power	2099 µmol/s 3.11 µmol/J 630 Watts	43.3" x 43.3" x 2.9" 1100 x 1100 x 75 mm 50.3 lbs (22.8 kg)	Volts Amps	120V 5.25A	208V 3.03A	220V 2.87A	240V 2.63A	277V 2.28A	SKU: IL-L630FS
1030W iLogic FS PLUS	PPF Efficacy Input Power	3446 µmol/s 3.12 µmol/J 1030 Watts	43.3" x 43.3" x 2.9" 1100 x 1100 x 75 mm 32lbs (14.5kg)	Volts Amps	120V 8.59A	208V 4.96A	220V 4.69A	240V 4.30A	277V 3.72A	SKU: IL-L1030FS



PLUS CONTROLLER

SKU: IL-PLUS-CTRL

3 YEAR WARRANTY

IP65

GET THE MOST OUT OF YOUR FIXTURE

The iLogic Plus is a cutting-edge smart fixture that remembers the last setting programmed with your controller, ensuring consistent performance and eliminating the risk of plant hermaphroditism.

FEATURES

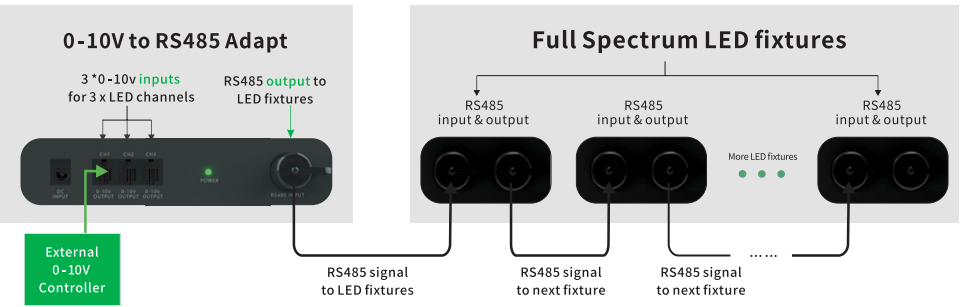
- Control up to 150 fixtures per channel (x2) with RS485 protocol
- Optional 0 - 10V control with additional adapter
- Unlimited amount of fixtures with repeater
- Sunrise and sunset simulation
- Introducing Cloud mode to simulate more realistic growing environments
- Multiple Scheduling between spectrums
- Independent control of UV, Far-red and Full-Spectrum lighting

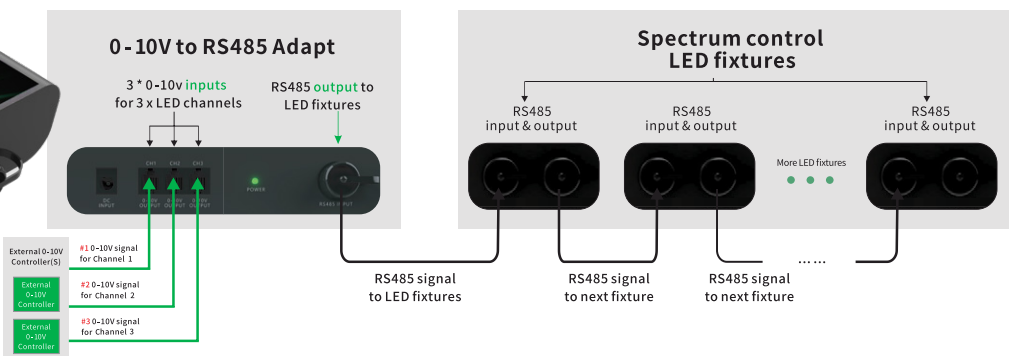
PLUS ADAPTOR

SKU: IL-RS-ADAP

3 YEAR WARRANTY



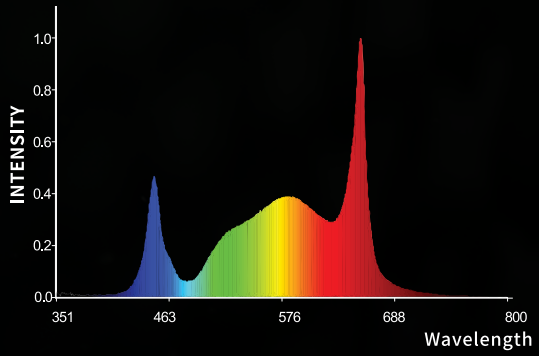




HYPERMOL EFX

720 - 1000W LED SPECTRUM





Intertek

PPF Efficacy Input Power	2088 µmol/s 2.9 µmol/J 720 Watts	43.3″ x 43.3″ x 4.5″ 1100 x 1100 x 115 mm 28.6 lbs (13 kg)	SKU: IL-HMEFX-720

PPF Efficacy Input Power	2900 µmol/s 2.9 µmol/J 1000 Watts	43.3″ x 43.3″ x 4.5″ 1100 x 1100 x 115 mm 38.5 lbs (17.5 kg)	SKU: IL-HMEFX-1000

UNDER CANOPY

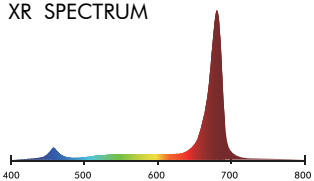
160W

UL8800 · CE Compliant · DLC HORT · UK CA · IP65

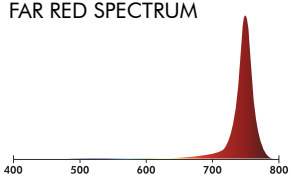
Specifically engineered to enhance lower plant growth, the Under Canopy Light ensures that every leaf receives its share of light, promoting uniform growth, minimizing VPD (Vapor Pressure Deficit) variation, and increasing overall yield.

Two Spectral Options:

XR SPECTRUM



FAR RED SPECTRUM



XR SPECTRUM

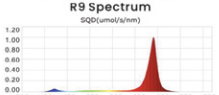
PPF Efficacy Input Power	495 µmol/s 3.09 µmol/J 160 Watts	45.3" x 2.8" x 3.1" 1150 x 72 x 80 mm	Volts Amps	120V 1.33A	208V 0.77A	220V 0.73A	277V 0.58A	347V 0.46A	SKU: IL- UC160WX-R

B2FR SPECTRUM

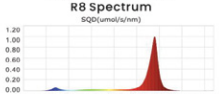
PPF Efficacy Input Power	510 µmol/s 3.0 µmol/J 170 Watts	45.3" x 2.8" x 3.1" 1150 x 72 x 80 mm	Volts Amps	120V 1.42A	208V 0.82A	220V 0.77A	277V 0.62A	SKU: IL-UC170-B2FR



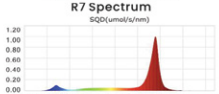
85% Red + 15% White
R9 Spectrum



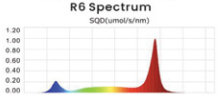
75% Red + 25% White
R8 Spectrum



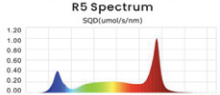
60% Red + 40% White
R7 Spectrum



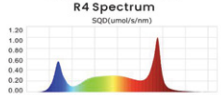
40% Red + 60% White
R6 Spectrum



25% Red + 75% White
R5 Spectrum



15% Red + 85% White
R4 Spectrum

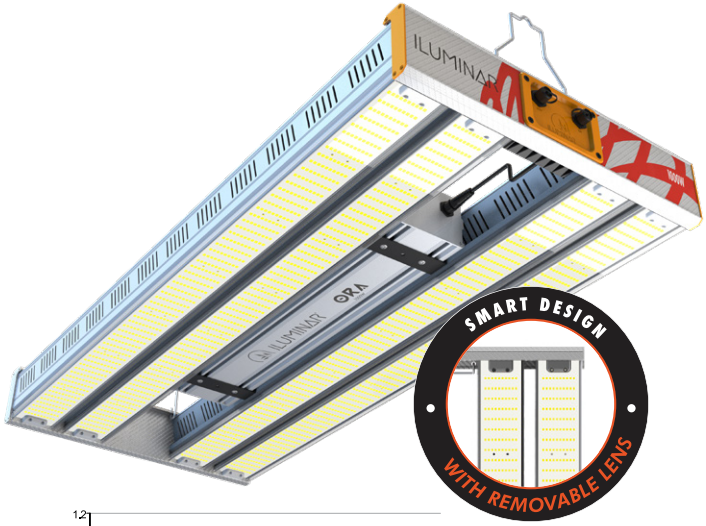


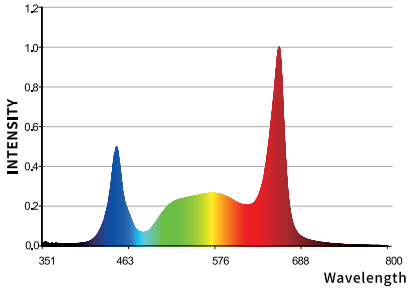
ORA

Intertek

ORA by ILUMINAR Lighting delivers high-output performance with over 3,000 premium LEDs, producing powerful full-spectrum light for faster, more uniform growth.

Its industry-leading efficiency, robust IP65 build, and advanced heat management ensure consistent results in demanding environments. Designed for scalable operations with daisy-chain control, ORA maximizes yield while reducing operational costs, making it the reliable, high-performance choice for serious cultivators. True advantage every cycle.





1000W

PPF
Efficacy
Input Power

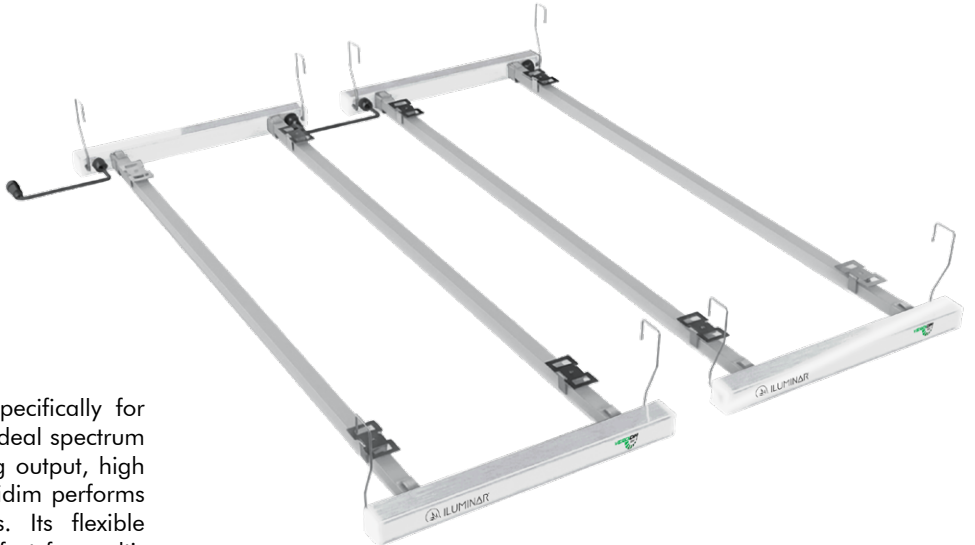
3130 µmol/s
3.13 µmol/J
1000 W

39 x 19.4 x 3.5"
990 x 493 x 90mm
35.2 lbs (16kg)

Rated Voltage: 208 - 480V

SKU:
IL-ORA-1000

VERDIDIM 50W



VERDIDIM delivers precision lighting engineered specifically for cloning and early-stage propagation, providing the ideal spectrum to drive fast, uniform root development. With strong output, high efficiency, and a lightweight aluminum design, Verdidim performs reliably in demanding propagation environments. Its flexible mounting options and 0–10V dimming make it perfect for multi-tier and high-density setups, while daisy-chain compatibility allows easy scalability for large operations. Verdidim is the dependable, energy-efficient choice for growers who demand consistency, speed, premium plant starts and vegetative growth.

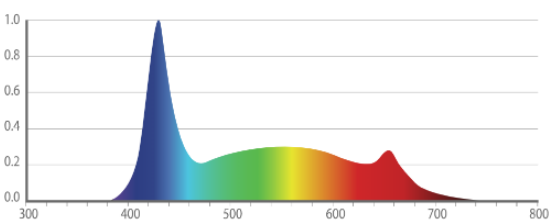
UL8800 Compliant

FEATURES

- Specifically designed for a single 4x4 area
- 0-10 Volt dim
- Daisy chain 40x fixtures at 110V

PPF	130 µmol/s
Efficacy	2.6 µmol/J
Input Power	50W

SKU: IL-VDM-50



LED CLONE 18W



Energy-Efficient Cloning at Any Scale

Drive consistent canopies, crop quality, and productivity with a continuous supply of healthy, homogeneous, and vigorous clones. The new LED Clone 18W twin-pack contains two energy-efficient LED bars, each one ideal for illuminating two full-sized propagators or equivalent cloning machines.

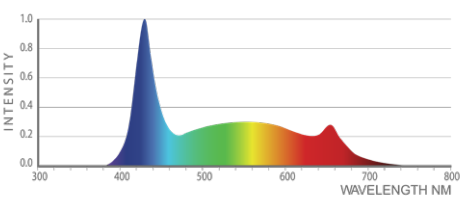
IP66

FEATURES

- 2 LED Clone Bars per pack
- Color Temperature: 9,000K
- Input Power: 18W (36W total)
- Perfect for multi-level cloning.

PPF	40 µmol/s
Efficacy	2.5 µmol/J
Input Power	18W

SKU:
IL-CLM18

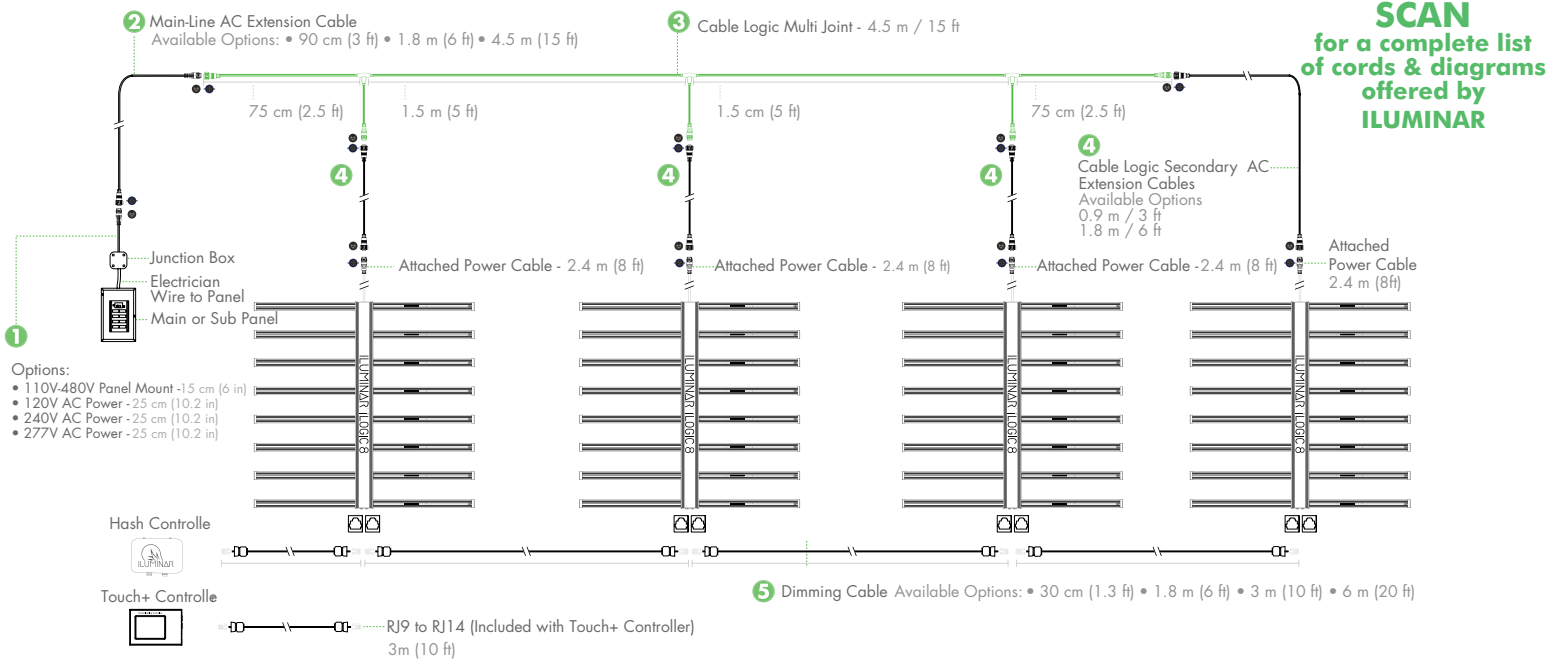


Cable Logic™

Professional Grade Grow Lighting Cables

The NEW ILUMINAR Lighting LED cabling solution allows growers to connect multiple fixtures using one single power cable. This forms an IP67 waterproof fixture-to-fixture connection to the power source.
Eliminate the need for the typical mess of LED lighting cables, which have various fixtures with multiple cables running to several power sockets.

SCAN
for a complete list of cords & diagrams offered by ILUMINAR



Cable Logic compatible with:
HyperMOL and iLogic Plus series

DE HPS/MH FIXTURE

1000W • 240V-277V-480V

ILUMINAR Lighting presents the new standard for Commercial DE applications. The double-ended fixtures that contractors, facility developers, and master growers demand as a standard for their operations now have even more options, giving the operational flexibility to fit the fixture to the electrical requirements.



ROLL LOCK TECHNOLOGY

At ILUMINAR Lighting we've developed a revolutionary, single-handed "roll lock" socket for our DE fixtures. This means a simple, one-handed lamp installation. No more dropped bulbs.

Model	Input Voltage(v)	With Included HPS DE Lamp	No Lamp Included	Output Power
DE Full Light 1000W with included HPS DE Lamp	120/240V	ILUM-DE-N1K	ILUM-DE-N1K-NL	1000W
	480V	-	ILUM-DE-N1K34-NL	
	277V	ILUM-DE-1K277	ILUM-DE-1K277-NL	



HIGH QUALITY REFLECTOR

Choose from deep or wide reflectors with the highest quality German aluminum material and 96% reflectivity. Wide reflectors allow for low mounting while deep reflectors are for high ceiling mounts and warehouse environments.

STANDARD ILUMINAR LAMP

The DE HPS / MH ballast is part of the Commercial Series, with the most sophisticated technology in the market. It powers the lamp inclusion of your choice: Standard ILUMINAR Lamp. Both have the highest available PAR output and increased spectrum to deliver ultimate light output, with superior uniformity and a deep canopy penetration.

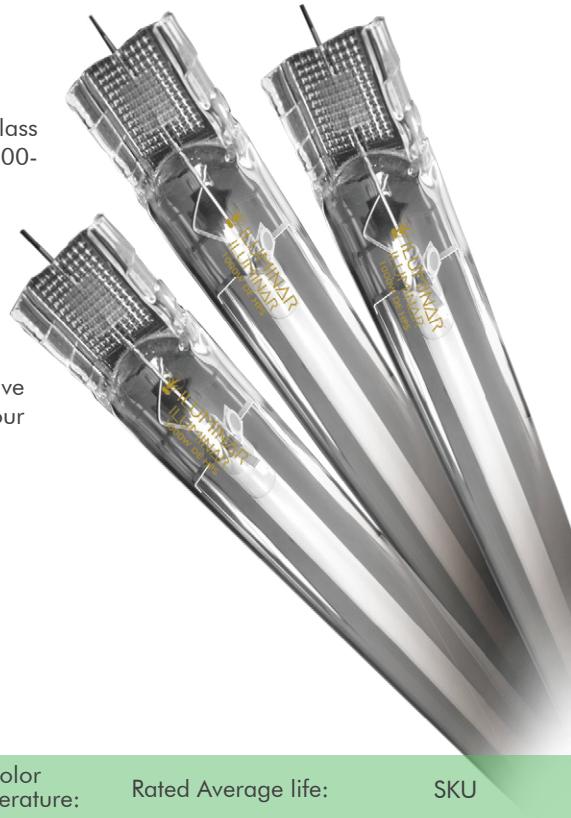
Bulb	Dimming Settings	Power Factor	THD	CF	Rated Input Frequency (Hz)
DE	600 / 750 / 825 /1000 / 1150 / EXT	>.99	<10%	<1.7	50 / 60Hz

DE HPS LAMP 1000W • 750W

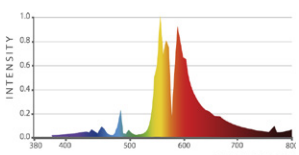
The ILUMINAR Lighting 750W, and 1000W Double-Ended HPS grow lights are the top of their class with an amazing output of up to 2100 µmol/s and an enhanced PAR maintenance over its 10,000-hour lifetime (>95%).

HPS lamps penetrate deep into the canopy for more essential oils, resins and terpenes along with increased growth rates and yields. Regardless of which fixture you choose for the HPS lamp, the results are remarkable. When paired with the ILUMINAR Lighting brand lamps, this grow light will beat the competition at a fraction of the price.

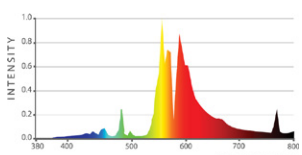
Our clients choose ILUMINAR Lighting over other indoor lighting competitors for our impressive ROI, customer service and expertise. We have lighting designers who give tailored advice for your environment and desired yields and we have the lowest failure rate in the industry.



1000W



750W



Model	Output Power	Lumens	Lumen/watt:	CRI:	PPF:	Color Temperature:	Rated Average life:	SKU
HPS	1000W	148,000	148	30 Ra8	2050 µmol/s	2000	10,000 hours	ILUM-N1KL-HPS
	750W	105,000	140	21 Ra8	1350 µmol/s	2100	10,000 hours	ILUM-N76L-HPS

DE MH LAMP 1000W

The DE Metal Halide delivers the latest in grow lamp technology to indoor lighting. Our double-ended lamps have less than 5% degradation and increased PAR light production without consuming more energy. The increased PAR creates larger plant mass, better seedling growth, taller plants, thicker stems, more dense flowering, additional terpene and essential oil production all enhanced by specific light colors.

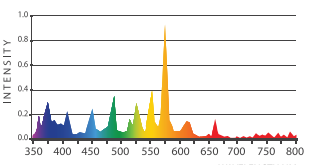


4K FLOWERING

1000W

1500 μmol/s

SKU: IL-LMPMH-1K4K



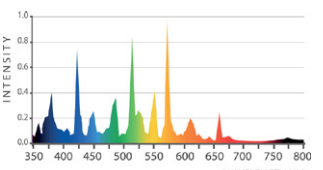


6K GROWTH

1000W

1350 μmol/s

SKU: IL-LMPMH-1K6K



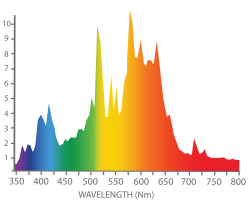
SE CMH LAMP 315W



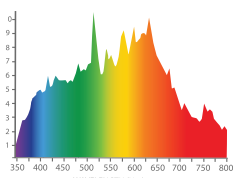
The ILUMINAR Lighting CMH Single-Ended Lamp is a natural white light with a proprietary phosphor coating on the outside of the arc tube to provide a rich spectrum and superior color quality. It's designed for maximum efficiency. Many growers prefer CMH lighting because of the power per watt it can deliver as well as the remarkable PAR spectrum that most closely matches the deeply penetrative power of the sun.

Save money on your garden with the SE 315W by not only using less power, but also running cooler than the HPS and MH alternatives. Choose the spectral output designed for each growing phase.

3K



4K



Model	Color Temperature	Photon Flux	Photon Flux/W	Lumens	Lumens Per Watt	Rate Life	CRI	SKU
3K	3100	570 μmol/s	1.80 μmol/J	37000	117	15000 hrs	>90	IL-LMPCMH-3153K
4K	4200	540 μmol/s	1.71 μmol/J	33000	105	15000 hrs	>98	IL-LMPCMH-3154K

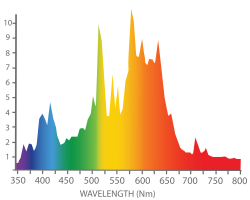
DE CMH LAMP 630W



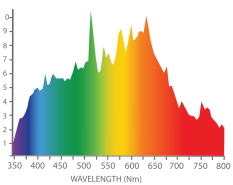
ILUMINAR Lighting 630W Double Ended (DE) Ceramic Metal Halide (CMH) lamp provides full spectrum light that benefits both the growth and flowering stages.

The CMH lamp converts the same power to more useful light. It can replace a 1000W HPS/MH lamp. CMH Lamps have a high light/power conversion ratio, and as a result, the lamp emits less heat than HPS/MH.

3K



4K



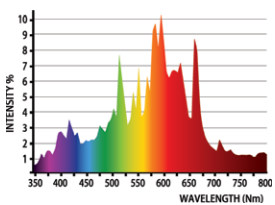
Model	Color Temperature	Photon Flux	Photon Flux/W	Lumens	Lumens Per Watt	Rate Life	CRI	SKU
3K	3000	1200 μmol/s	1.90 μmol/J	78500	125	10000 hrs	> 90	IL-LMPCDE-6303K
4K	4000	1150 μmol/s	1.83 μmol/J	65000	105	10000 hrs	> 97	IL-LMPCDE-6304K

DE CMH LAMP | 1000W



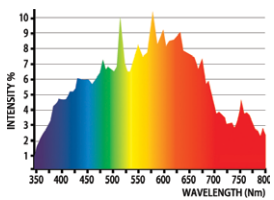
The 1000W CMH Double-Ended Lamp is a natural white light with a proprietary phosphor coating on the outside of the arc tube to provide a rich spectrum and superior color quality. Choose the 3K spectrum, for vegetation and flowering, or choose the 4K spectrum with added reds that promote tighter inter-nodal spacing leading to more flowering sites and a fuller plant canopy.

3K



The 1000W 3K provides the richest spectrum. Optimal for flowering but can be used during the vegetative state as well.

4K



The 1000W 4K lamp promotes tight inter-nodal spacing, leading to more flowering sites and a fuller canopy.

Model	Color Temperature	Photon Flux	Lumens	Lumens Per Watt	Rate Life	CRI	SKU
3K	3000	1700 µmol/s	100000	110	10000 hrs	>85	IL-LMPCDE-1K3K
4K	4200	1600 µmol/s	95000	100	10000 hrs	>97	IL-LMPCDE-1K4K

WARRANTY

The ILUMINAR Lighting product line offers the most versatile, full-spectrum fixtures on the market with outstanding 24/7 customer service you can count on. From remote assistance to on-site personnel with tailor-made solutions for your facility, we stand behind our customers and our products.

The standard limited warranty for our products is:
5 Years on LEDs
3 Years on HID Fixtures and Ballasts
1 Year on Lamps & Controllers

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