



ILUMINAR[®]

CATALOG 2025 - 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





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%	125°
LED Lifespan (90% of Life)	55,000+ hours
Min Power Factor	0.9 / 0.95

All fixtures available 120 - 480V

LED



700 W | 1050W

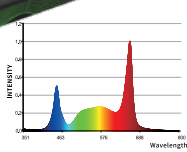
5 YEAR
WARRANTY



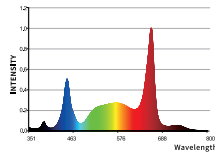
iLogic PLUS MS

Adjustable Spectrum Advanced LED for Flowering

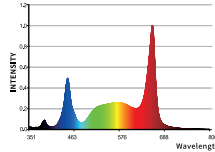
Featuring multi-channel control, growers can precisely and independently specify the timing and intensity of far-red, UV-A, and full spectrum light output during the light-cycle.



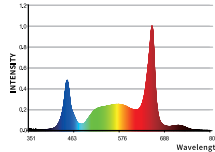
Full Spectrum
on 100%



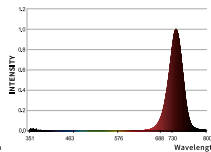
Full spectrum 100% on
+ UV 100% on + FAR red 100% on



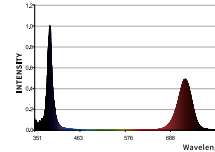
Full Spectrum 100% on
+ UV 100% on



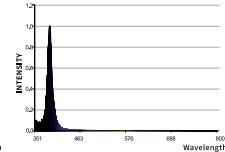
Full Spectrum 100% on
+ FAR Red 100% on



FAR Red 100% on



UV 100% on
+ FAR Red 100% on



UV 100% on

iLogic^{1050W} PLUS

ePAR - PPF
ePAR Efficacy
Input Power

3483 $\mu\text{mol/s}$
3.05 $\mu\text{mol/J}$
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

iLogic^{700W} PLUS

ePAR - PPF
ePAR Efficacy
Input Power

2298 $\mu\text{mol/s}$
3.04 $\mu\text{mol/J}$
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

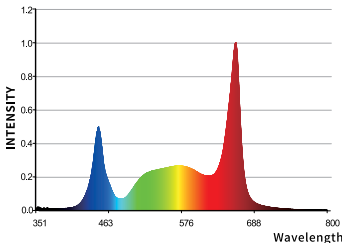
SKU:
IL-L700MS

FIXTURES

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



iLogic^{340W} PLUS FS

PPF
Efficacy
Input Power

1038 $\mu\text{mol/s}$
2.88 $\mu\text{mol/J}$
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

iLogic^{630W} PLUS FS

PPF
Efficacy
Input Power

2099 $\mu\text{mol/s}$
3.11 $\mu\text{mol/J}$
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

iLogic^{1030W} PLUS FS

PPF
Efficacy
Input Power

3446 $\mu\text{mol/s}$
3.12 $\mu\text{mol/J}$
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



SKU: IL-PLUS-CTRL

3 YEAR
WARRANTY



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.

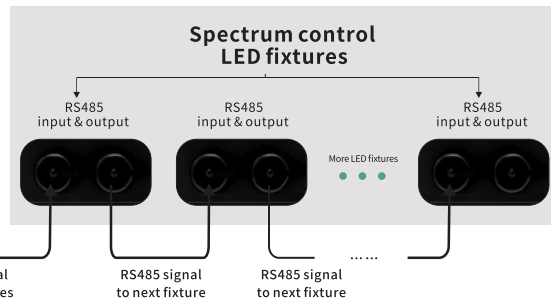
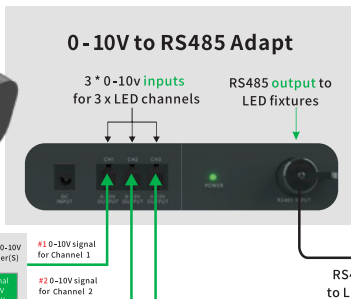
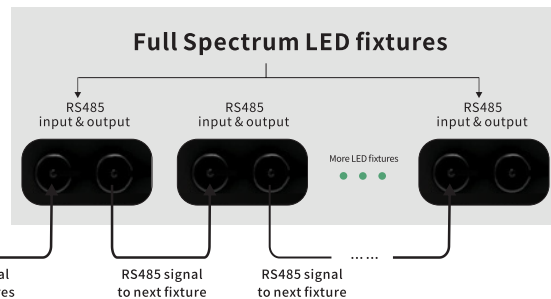
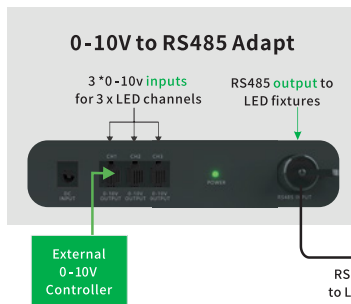
FEATURES

- 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



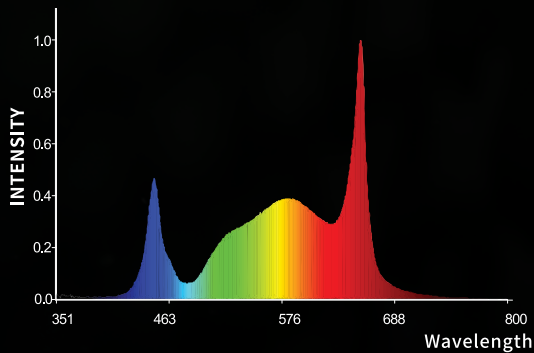
SKU: IL-RS-ADAP

3 YEAR
WARRANTY



HYPERMOL EFX

720 - 1000W LED SPECTRUM



PPF
Efficacy
Input Power

2088 $\mu\text{mol/s}$
2.9 $\mu\text{mol/J}$
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 $\mu\text{mol/s}$
2.9 $\mu\text{mol/J}$
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

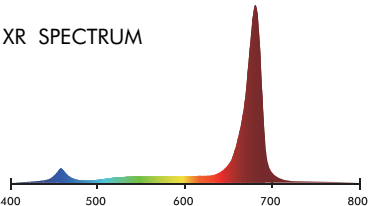
160W

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.

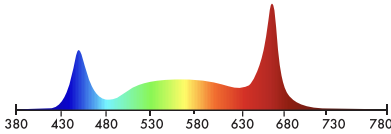
Two Spectral Options:



XR SPECTRUM



B2FR SPECTRUM



XR SPECTRUM

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

B2FR SPECTRUM

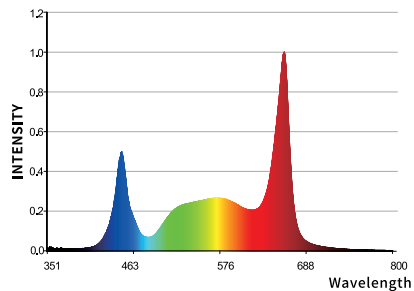
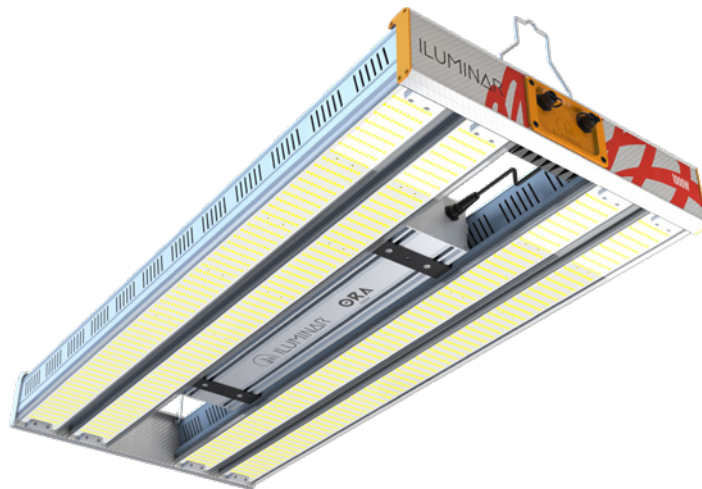
PPF	510 $\mu\text{mol/s}$	45.3" x 2.8" x 3.1" 1150 x 72 x 80 mm	Volts Amps	120V	208V	220V	277V	SKU: IL-UC170-B2FR
Efficacy	3.0 $\mu\text{mol/J}$			1.42A	0.82A	0.77A	0.62A	
Input Power	170 Watts							





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 $\mu\text{mol/s}$
3.13 $\mu\text{mol/J}$
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 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.



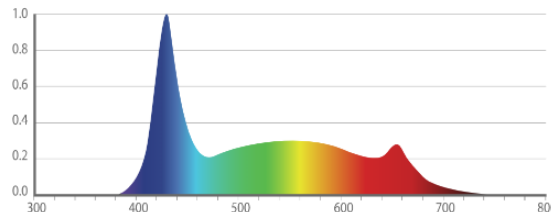
FEATURES

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

PPF
Efficacy
Input Power

130 $\mu\text{mol/s}$
2.6 $\mu\text{mol/J}$
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.



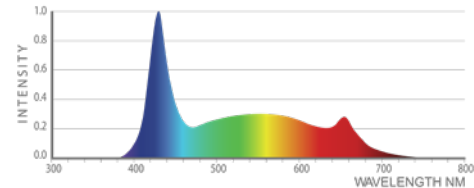
FEATURES

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

PPF
Efficacy
Input Power

40 $\mu\text{mol/s}$
2.5 $\mu\text{mol/J}$
18W

SKU:
IL-CLM18





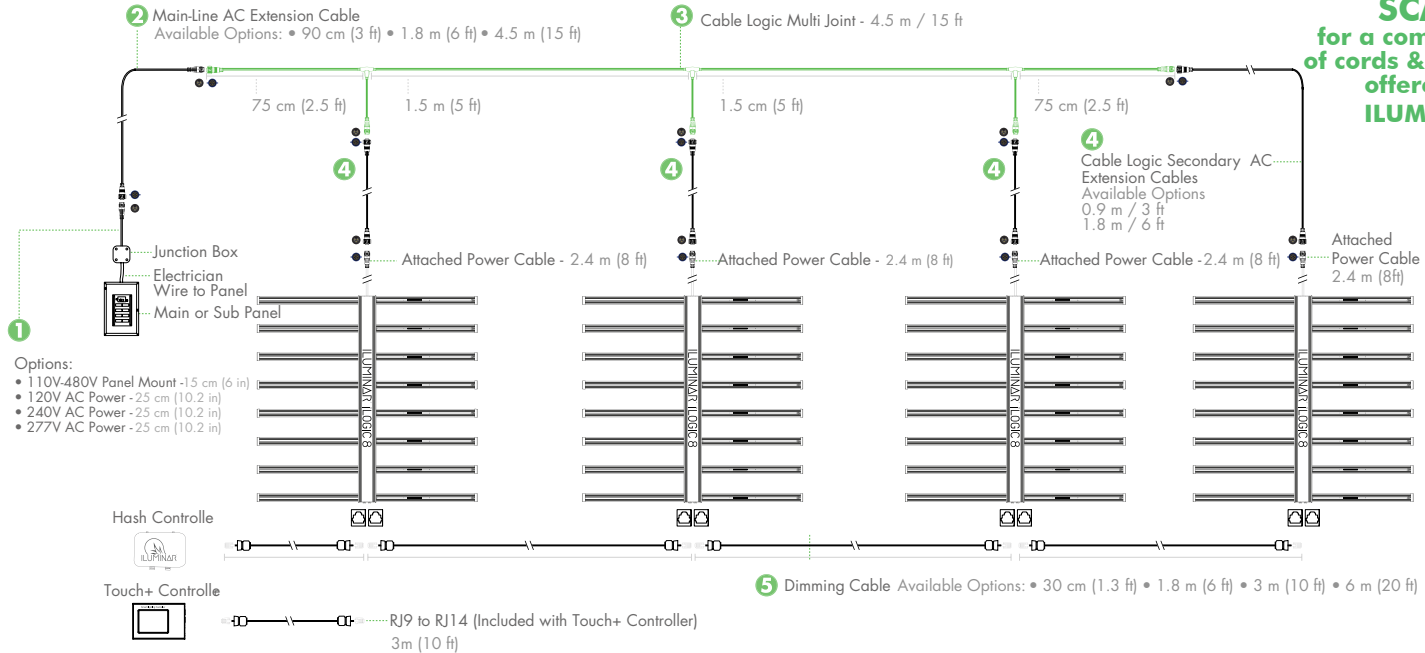
Professional Grade Grow Lighting Cables

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

WARRANTY

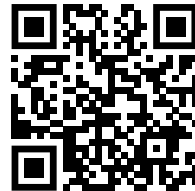
The ILUMINAR Lighting product line offers the most versatile, full-spectrum fixtures on the market with outstanding 24/7 customer service you can count on. From remote assistance to on-site personnel with tailor-made solutions for your facility, we stand behind our customers and our products.

The standard limited warranty for our products is:

5 Years on LEDs

3 Years on HID Fixtures and Ballasts

1 Year on Lamps & Controllers





Scan with your smart phone camera for
detailed spec sheets, installation instructions,
instruction manuals and downloads or visit
iluminarlighting.com

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Design Service Available
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