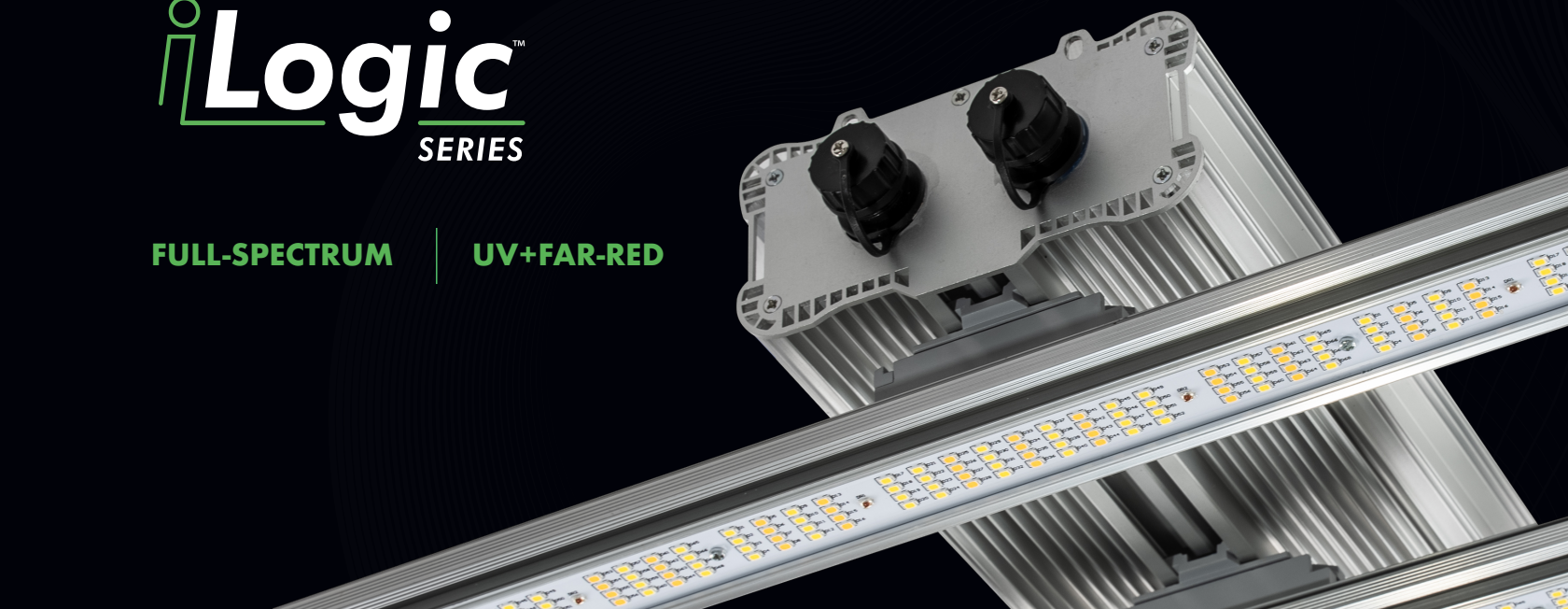
ILUMINAR®

COMMERCIAL LEDs FEATURING:

iLogic™ SERIES

FULL-SPECTRUM | **UV+FAR-RED**



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®

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.

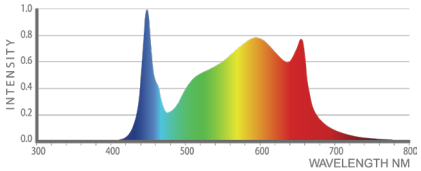
LED SPECIFICATIONS

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

iLogic Full Spectrum

Enjoy all the benefits of full spectrum lighting without sacrificing efficacy. The iLogic Full Spectrum LED delivers deep, penetrating light intensity along with industry-leading uniformity. Optimized for the most demanding floriculture applications, the iLogic Full Spectrum is designed to scale up with ease as your operation grows, offering unbeatable reliability, longevity, and performance.

- 0-10V Dimming
- Increased PPF with less heat
- Dimming RJ14 to RJ14 Connection
- Hot Swap LED Bars
- Lightweight Aluminum Alloy Casing
- IP66 Twist-Lock Cable Fittings
- Cable Logic Cable System



iLogic6 FULL SPECTRUM	PPF Efficacy Input Power	924 µmol/s 2.8 µmol/J 330 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 45.6 lbs (20.7 kg)	Volts Amps Watts	120V 3.1A 350W	208V 1.53A 302W	240V 1.32A 301W	277V 1.25A 330W	SKU: IL-iLOGIC6
iLogic8 FULL SPECTRUM	PPF Efficacy Input Power	1700 µmol/s 2.7 µmol/J 630 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 50.3 lbs (22.8 kg)	Volts Amps Watts	120V 5.7A 652W	208V 3.2A 632.5W	240V 2.8A 631W	277V 2.4A 630W	SKU: IL-iLOGIC8
iLogic9 FULL SPECTRUM	PPF Efficacy Input Power	2800 µmol/s 2.8 µmol/J 1000 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 52.5 lbs (23.8 kg)	Volts Amps Watts	120V 9.3A 1060W	208V 5.15A 1015W	240V 4.43A 1010W	277V 3.8A 1000W	SKU: IL-iLOGIC9

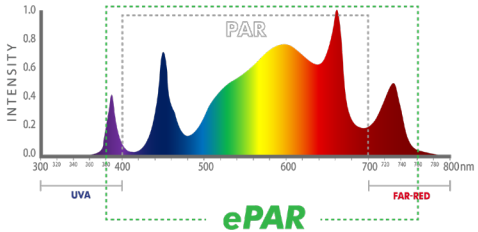
BY DESIGN

iLogic UV + Far-Red

Increase Yield and Enhance Trichome Production with UV & Far-Red Spectrum

The iLogic + UV Far-Red fills the spectral gap that has persisted between legacy lighting technologies and LED. Plants grown under full spectrum light supplemented with ultraviolet and far-red have a marked increase in growth rates combined with increased flower site density and trichome development. The result is truly next level produce that stands apart from the pack in terms of quantity and quality.

1:1 HPS 1000W REPLACEMENT

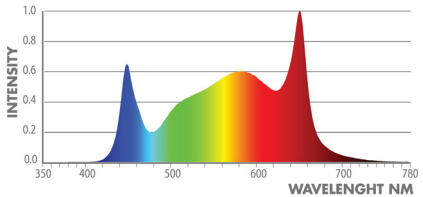


- 0-10V Dimming
- Increased PPF with less heat
- Dimming RJ14 to RJ14 Connection
- Lightweight Aluminum Alloy Casing
- Hot Swap LED Bars
- IP66 Twist-Lock Cable Fittings
- Cable Logic Cable System

iLogic6 UV + FAR-RED	ePAR ePAR Efficacy Input Power	945 µmol/s 2.85 µmol/J 330 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 45.6 lbs (20.7 kg)	Volts Amps Watts	120V 3.1A 350W	208V 1.53A 302W	240V 1.32A 301W	277V 1.25A 330W	SKU: IL-iLOGIC6-UVIR
iLogic8 UV + FAR-RED	ePAR ePAR Efficacy Input Power	1800 µmol/s 2.85 µmol/J 630 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 50.3 lbs (22.8 kg)	Volts Amps Watts	120V 5.7A 652W	208V 3.2A 632.5W	240V 2.8A 631W	277V 2.4A 630W	SKU: IL-iLOGIC8-UVIR
iLogic9 UV + FAR-RED	ePAR ePAR Efficacy Input Power	2855 µmol/s 2.85 µmol/J 1000 Watts	41.9" x 39.4" x 4.9" 1064 x 1002 x 124 mm 52.5 lbs (23.8 kg)	Volts Amps Watts	120V 9.3A 1060W	208V 5.15A 1015W	240V 4.43A 1010W	277V 3.8A 1000W	SKU: IL-iLOGIC9-UVIR

HYPERMOL

ILUMINAR Lighting new HYPERMOL™ encompasses the latest LED and fixture design technology. The result of years of product development and refinement, HYPERMOL™ delivers full spectrum light, rich in both blue and red, that's ideal for the full plant lifecycle. The increased blues helps to reduce internodal stretch during the transition and early flower, while the predominant reds drive generative production.



Intertek

720W

PPF Efficacy Input Power	1944 µmol/s 2.7 µmol/J 720 Watts	41.9" x 43.5" x 2.3" 1065x 1105 x 58 mm 50.3 lbs (20.8 kg)	Volts Amps	120V 6.00A	208V 3.46A	220V 3.27A	240V 3.00A	277V 2.60A	SKU: IL-HMOL-720

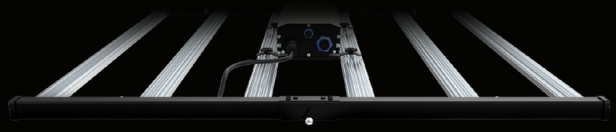
1000W

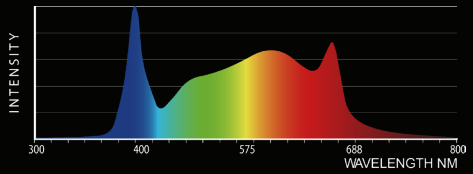
PPF Efficacy Input Power	2700 µmol/s 2.7 µmol/J 1000 Watts	41.9" x 43.5" x 2.3" 1065x 1105 x 58 mm	Volts Amps	120V 9.3A	208V 5.15A	240V 4.43A	277V 3.8A	347V 2.8A	480V 2.2A	SKU: IL-HMOL-1000

1450W

PPF Efficacy Input Power	3915 µmol/s 2.7 µmol/J 1450 Watts	41.9" x 43.5" x 2.3" 1065x 1105 x 58 mm	Volts Amps	120V 9.3A	208V 5.15A	240V 4.43A	277V 3.8A	347V 2.8A	480V 2.2A	SKU: IL-HMOL-1450

FLD/630W





ILUMINAR Lighting's new FLD fixture utilizes the latest LED and fixture design technology. The culmination of years of product development and refinement, FLD delivers full spectrum light that is ideal for every stage of the plant life cycle, with a rich blend of both blue and red. The added blues help to reduce internodal stretching during the transition and early flowering stages, while the predominant reds drive generative production.

PPF	624 µmol/s	46.7" x 42.8" x 2.24"	Volts	120V	208V	240V	277V	347V
Efficacy	2.7 µmol/J	1187 x 1087 x 57mm	Amps	5.7A	3.2A	2.8A	2.4A	1.6A
Input Power	240 Watts	41.8lbs (19kg)	Watts	652W	632W	631W	630W	630W

SKU: IL-FLD630

iLogic™121

IL-iLogic-121

The World's Most Advanced HPS Replacement LED

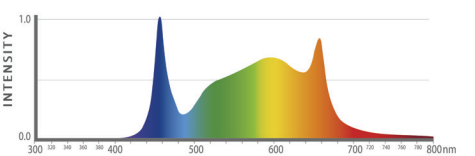
Designed for straightforward and easy installation within existing HPS lighting plans, the iLogic™121 represents so much more than a simple 1:1 HPS replacement for greenhouse and indoor growers. It perfectly matches the footprint and hanging height of the legacy 1000W HPS, the iLogic™121 offers a range of exciting new benefits for cultivators including a 22% reduction in energy consumption, higher efficiency (up to 2.7 μmol/J), best-in-class performance (2100 μmol/s), 0-10V dimming, and a much longer lifespan (L90: 50,000 hours).

FEATURES

- Full-spectrum light output
- ETL / CE Listed
- Efficiency: 2.7 μmol/J
- PPF: 2100 μmol/s
- 0-10V Dimming
- 22% Reduced Energy Consumption
- High output for high intensity
- Life Time: 50,000 hours

Intertek IP65

PPF	2100 μmol/s	32.67" x 17.12" x 3.9"
Efficacy	2.7 μmol/J	830 x 435 x 100 mm
Input Power	780 Watts	30.86 lbs (14 kg)



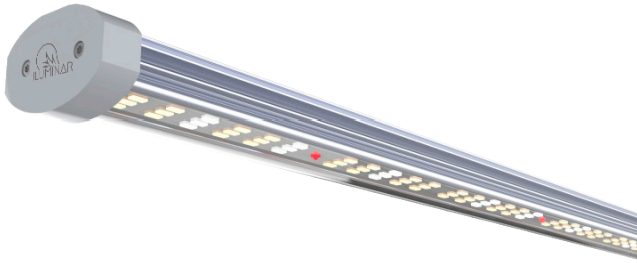
iL1 | THE GREENHOUSE LED

The iL1 models are ideal for greenhouse environments. This LED has a slim design made to fit right under a support beam in order to add light without creating an additional shadow.

Intertek

iL1	PPF Efficacy Input Power	1378 µmol/s 2.6 µmol/J 530 Watts	44.9" X 5.1" X 7.9" 1140 x 129 x 200 mm 22.5 lbs (10.2 kg)	Volts Amps Watts	120V 4.52A 541W	208V 2.58A 532W	240V 2.24A 527W	277V 1.93A 521W	347V 1.56A 539W	480V 1.12A 525W	SKU: IL-A153026-FSG-120
	PPF Efficacy Input Power	1716 µmol/s 2.6 µmol/J 660 Watts	59.1" X 5.1" X 7.9" 1500 x 129 x 200 mm 27.5 lbs (12.5 kg)	Volts Amps Watts	120V 5.67A 678W	208V 3.26A 671W	240V 2.81A 663W	277V 2.42A 655W	347V 1.96A 676W	480V 1.41A 661W	SKU: IL-A166026-FSG-120
iL1c	PPF Efficacy Input Power	858 µmol/s 2.6 µmol/J 330 Watts	39.38" x 5.1" x 7.9" 1000 x 129 x 200 mm 18.3 lbs (8.3 kg)	Volts Amps Watts	120V 2.85A 341W	208V 1.63A 335W	240V 1.41A 332W	277V 1.22A 330W	347V 0.99A 340W	480V 0.71A 331W	SKU: IL-A133026-FSG-120
iL1 UV + FAR-RED	PPF Efficacy Input Power	1716 µmol/s 2.6 µmol/J 660 Watts	39.38" x 5.1" x 7.9" 1640 x 129 x 200 mm 28 lbs (12.7 kg)	Volts Amps Watts	120V 5.63A 674W		208V 3.23A 663W	240V 2.89A 655W		277V 2.38A 643W	SKU: L-i660-UVIR-120

iLBAR



This single bar design is straight from our iLx Series fixtures.
The iLBar can be equipped with multiple spectra to best serve your facility.

iL23	PPF Efficacy Input Power	100 µmol/s 2.5 µmol/J 40W	23.8" x 2.1" x 1.3" 604 x 54 x 33 mm 1.50 lbs (0.7 kg)	Volts Amps Watts	120V 0.35A 42W	208V 0.20A 41W	240V 0.18A 40W	277V 0.16A 40W	SKU: IL-2325FSG-120
iL47	PPF Efficacy Input Power	200 µmol/s 2.5 µmol/J 80W	47.25" x 2.12" x 1.3" 1200 x 53.6 x 33 mm 2.87 lbs (1.3 kg)	Volts Amps Watts	120V 0.69A 82W	208V 0.40A 81W	240V 0.35A 80W	277V 0.31A 81W	SKU: IL-4725FSG-120

LED CLONE 18W

Energy-Efficient Cloning at Any Scale

Drive consistent canopies, crop quality, and productivity with a continuous supply of healthy, homogenous, 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 µmol/s 2.5 µmol/J 18W	SKU: IL-4725FSG-120

iLW

THE LED FOR CLONES

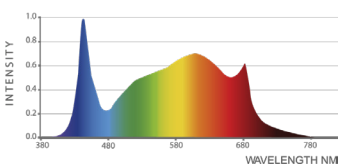
THE LED PREFERRED BY BREEDERS

When growing clones, there is a balance of light to be achieved. Plants are sensitive in the early stages and as the plant grows, proper lighting strength and a lighting schedule is crucial for your plants to flourish. For this, we designed the iLW - a sleek, low-profile fixture, specifically crafted for growing clones and hardening them off for vegetation.

Measuring in at only 1.5" tall, the iLW LED is perfect for mounting in low clearance, tiered and baker's rack environments.

FEATURES

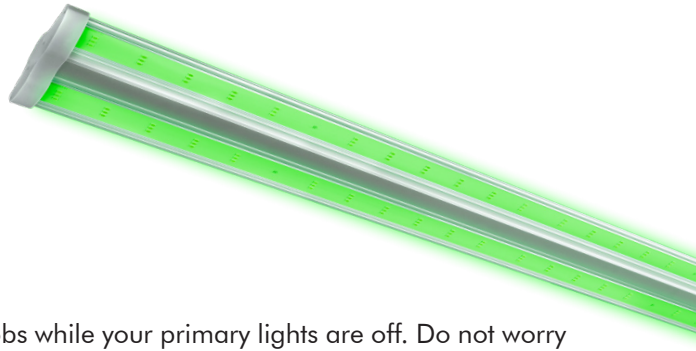
- Multiple Spectrum LED Diodes
- Indoor Full Sun Spectrum
- Input Voltage 100V-277V
- Uniformity > 90%
- Ability to Daisy-chain fixtures
- Low Heat Coefficient
- Wet Rated IP65
- LED Lifespan 50,000 hours



Minimum Mounting height: 6-12" to top of Canopy

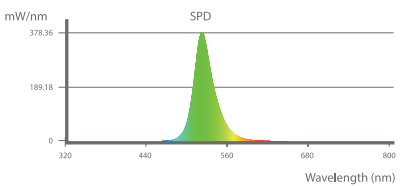
iLW 40W	PPF Efficacy Input Power	100 µmol/s 2.5 µmol/J 40W	47.25" x 5.12" x 1.15" 1200 x 130 x 29 mm 2.2 lbs (1 kg)	Volts Amps Watts	120V 0.36A 42W	208V 0.20A 41W	240V 0.18A 40W	277V 0.16A 41W	SKU: IL-4025FSG-120
iLW 60W	PPF Efficacy Input Power	150 µmol/s 2.5 µmol/J 60W	47.25" x 5.12" x 1.15" 1200 x 130 x 29 mm 2.2 lbs (1 kg)	Volts Amps Watts	120V 0.53A 62W	208V 0.30A 61W	240V 0.27A 60W	277V 0.24A 61W	SKU: IL-6025FSG-120

iLW Green | 40W



After Hours Work Light

Now be able to work in a garden after-hours to safely spray or do additional jobs while your primary lights are off. Do not worry about affecting your light cycle as the spectrum is specifically designed for this application. . The spectrum is specifically designed to not affect your plants.



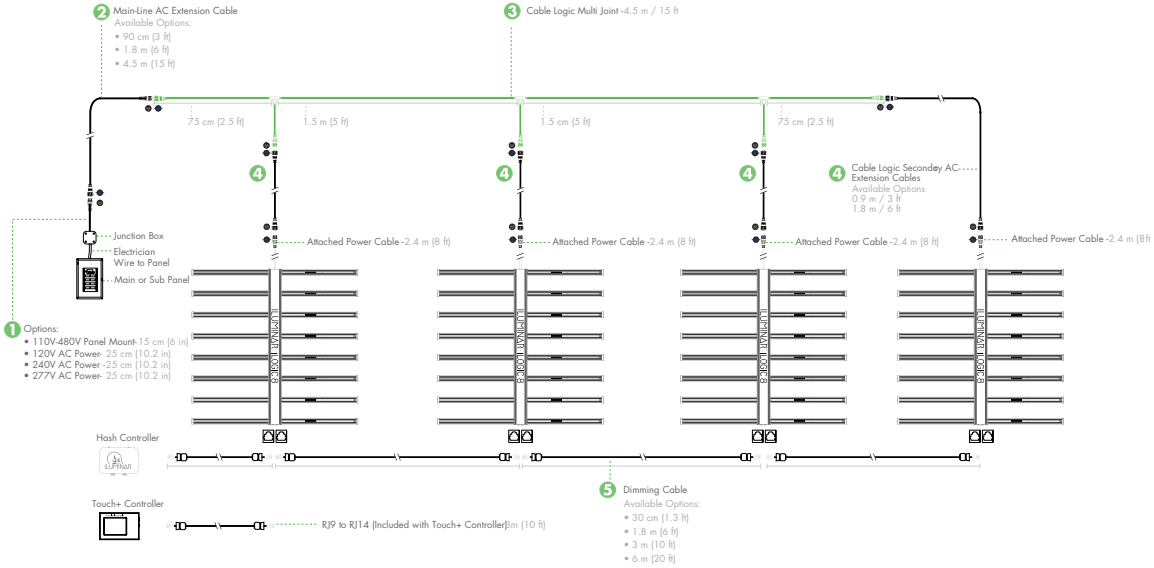
iLW Green	PPF Efficacy Input Power	64 µmol/s 1.6 µmol/J 40W	47.2" x 5" x 1.14" 1200 x 130 x 29 mm 2.60 lbs (1.3 kg)	Volts Amps Watts	120V 0.32A 38W	208V 0.19A 39W	240V 0.18A 40W	277V 0.16A 41W	SKU iLW Greeen: IL-4025FSG-120 GGreen

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:
iLogic & iLi6

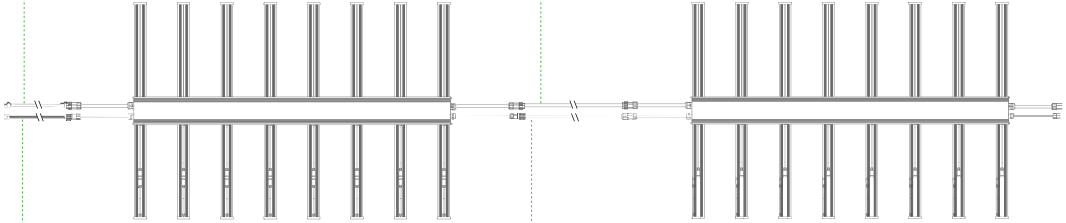
DAISY CHAIN
FEATURES

The amount of LED fixtures you can daisy chain together depends on the environment as well as the LED. Please call or drop us an email at sales@iluminarlighting.com so we can ensure that you get the right setup from the beginning. Scan the QR code for a complete list of ILUMINAR Lighting Cables and Installation Diagrams online.

1 A/C INPUT (to power outlet) Plug Options:
- 120V AC Power
- 240V AC Power
- 277V AC Power
- 347V AC Power
- 1.7 m / 5.57 ft

2 A/C Daisy Chain Cable

Available Options
- 3 m / 9.84 ft
- 1.8 m / 6 ft



3 Controller Cable

Hash Controller
- LED Cord Set for LEDs 3 m / 9.84 ft

Touch² Controller
- IL LED Cord Set for LEDs 1.8 m / 6 ft
- (Fixture to Original Fixture to 2 Wire) 0.7 m / 2.3 ft

4 Controller Daisy Chain Cable

Available Options
- 3 m / 9.84 ft
- 1.8 m / 6 ft

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

DE HPS/MH FIXTURE

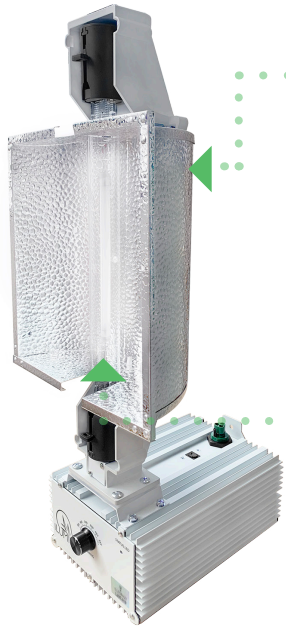
1000W • 750W/600W
1000W • 240V-277V

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 347V 277V	ILUM-DE-N1K ILUM-DE-N1K34 ILUM-DE-1K277	ILUM-DE-N1K-NL ILUM-DE-N1K34-NL ILUM-DE-1K277-NL	1000W
DE Full Light 750W/600W with included HPS DE Lamp	120/240V 277V *480V available on request*	ILUM-DE-N756-24 ILUM-DE-6750277		750W/600W
DE Full Light 1000W with included HPS DE Lamp	240V/277V	ILUM-DE-1K240277		1045W



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.

HORTILUX OR 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: Hortilux or ILUMINAR Lighting. 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	600 / 750 / 825 /1000 / 1150 / EXT	>.99	<10%	<1.7	50 / 60Hz
DE	600 / 750 / 825 /1000 / 1150 / EXT	>.99	<10%	<1.7	50 / 60Hz

CMH SE
315W

The ILUMINAR Lighting 315W Single Ended CMH horticultural light is the ideal installation for all of your cultivating applications and can be used as a stand-alone fixture or as supplemental lighting.

ILUMINAR Lighting 315W CMH delivers immediate results for a swift return on investment. The case is designed to dissipate heat quickly making it run supremely cool. The fixture delivers a remarkable PAR spectrum most closely equivalent to the deeply penetrative energy of the sun.

- 30,000 Hours of Full Spectrum
- Uniform Light Distribution
- Random Start Technology
- Low Frequency
- Ignition Failure Protection
- Soft Start Technology

*Lamp Sold Separately

Model	Output Power	Input Volts	Input Current	Input Power	Voltage Range	THD	Main Frequency	SKU
CMH	315W	120V/240V	2.89A | 1.43A	343W	108-264V	<15%	50/60 Hz	IL-CMH315-120
		277V	1.30A	343W	249-290V	<15%	50/60 Hz	IL-CMH315-277
		347V	0.99A	343W	312-382V	<15%	50/60 Hz	IL-CMH315-347

CMH DE LAMP FIXTURE
1000W • 630W

Delivering a low frequency, square wave technology, the 630W and 1000W CMH Ballasts provide a constant maximum voltage to the lamp for an extended period of time giving your plants more photons of light. Ceramic Metal Halide lamps provide a wide spectrum and more UV light for your plants.

When a larger yield is the desired outcome, the ILUMINAR Lighting CMH gives you the competitive edge. Our CMH DE fixtures reduce the cost of re-lamping while also minimizing overhead expenses. The CMH ballasts are designed to properly ignite and operate on a low frequency ensuring the safety of you and your crop. *WARNING: Only use a low frequency ballast when running CMH lamps.

- 30,000 Hours of Full Spectrum
- Random Start Technology
- Low Frequency
- Uniform Light Distribution
- Soft Start Technology
- Ignition Failure Protection

Lamp Sold Separately

Model	Output Power	Input Volts	Input Current	Input Power	Voltage Range	THD	Main Frequency	SKU
CMH	630W	120V/240V	5.56A | 2.79A	675W	108-264V	<15%	50/60 Hz	IL-CMHDE630-120
		277V	2.4A	675W	249-305V	<15%	50/60 Hz	IL-CMHDE630-277
		347V	1.92A	675W	312-382V	<15%	50/60 Hz	IL-CMHDE630-347
CMH	1000W	208V | 277V	5.10A | 3.85A	1045W	187-290V	<15%	50/60 Hz	IL-CMHDE1000-240

DE MH LAMP
1000W • 750W

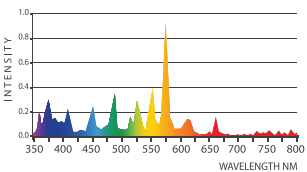
The DE Metal Halide delivers the latest in grow lamp technology to indoor lighting. Our double-ended lamps have less than 5% degradation and increased PAR light production without consuming more energy. The increased PAR creates larger plant mass, better seedling growth, taller plants, thicker stems,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

4K FLOWERING

1000W

1500 μmol/s

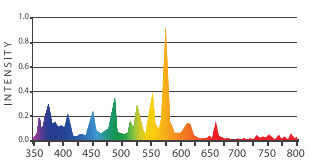
SKU: IL-LMPMH-1K4K



750W

1100 μmol/s

SKU: IL-LMPMH-7504K

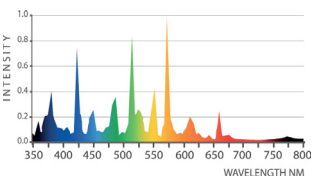


6K GROWTH

1000W

1350 μmol/s

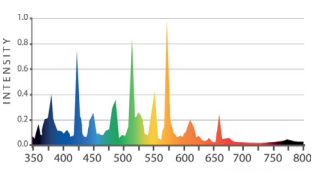
SKU: IL-LMPMH-1K6K



750W

1000 μmol/s

SKU: IL-LMPMH-7506K

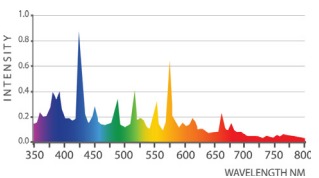


10K FROST

1000W

1350 μmol/s

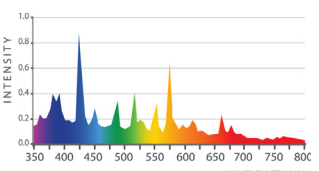
SKU: IL-LMPMH-1K10K



750W

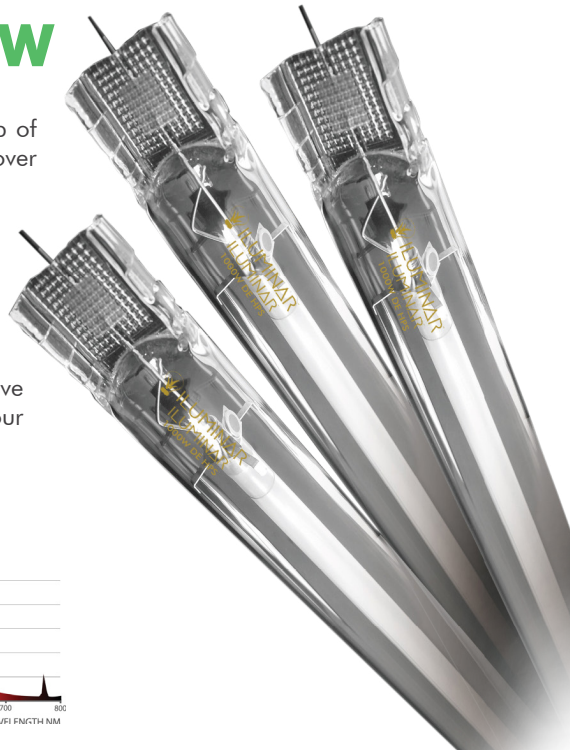
960 μmol/s

IL-LMPMH-75010K



DE HPS LAMP

1000W • 750W • 600W

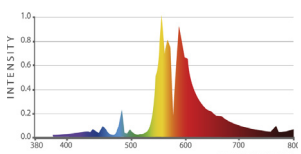


The ILUMINAR Lighting 600W, 750W, and 1000W Double-Ended HPS grow lights are the top of their class with an amazing output of up to 2100 μmol/s and an enhanced PAR maintenance over its 10,000-hour lifetime (>95%).

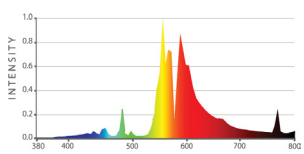
HPS lamps penetrate deep into the canopy for more essential oils, resins and terpenes along with increased growth rates and yields. Regardless of which fixture you choose for the HPS lamp, the results are remarkable. When paired with the ILUMINAR Lighting brand lamps, this grow light will beat the competition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

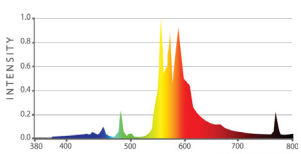
1000W



750W



600W



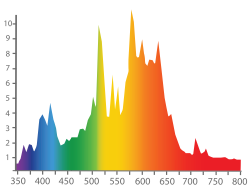
Model	Output Power	Lumens	Lumen/watt:	CRI:	PPF:	Color Temperature:	Rated Average life:	SKU
HPS	1000W	148,000	148	30 Ra8	2050 μmol/s	2000	10,000 hours	ILUM-N1KL-HPS
	750W	105,000	140	21 Ra8	1350 μmol/s	2100	10,000 hours	ILUM-N76L-HPS
	600W	90,000	150	21 Ra8	1190 μmol/s	2100	20,000 hours	IL-LMPHPS-6002K

SE CMH LAMP 315W

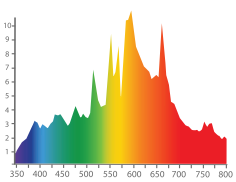
The ILUMINAR Lighting CMH Single-Ended Lamp is a natural white light with a proprietary phosphor coating on the outside of the arc tube to provide a rich spectrum and superior color quality. It's designed for maximum efficiency. Many growers prefer CMH lighting because of the power per watt it can deliver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

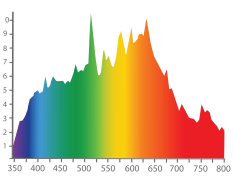
3K



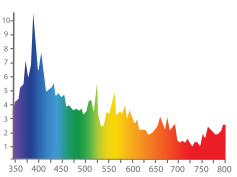
3K RED



4K



10K



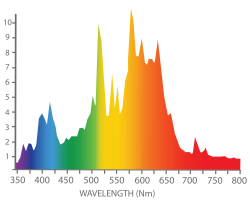
Model	Color Temperature	Photon Flux	Photon Flux/W	Lumens	Lumens Per Watt	Rate Life	CRI	SKU
3K RED	3000	540 μmol/s	1.71 μmol/J	33000	105	15000 hrs	>90	IL-LMPCMH-315R
3K	3100	570 μmol/s	1.80 μmol/J	37000	117	15000 hrs	>90	IL-LMPCMH-3153K
4K	4200	540 μmol/s	1.71 μmol/J	33000	105	15000 hrs	>98	IL-LMPCMH-3154K
10K	10000	450 μmol/s	1.43 μmol/J	22000	70	15000 hrs	>90	IL-LMPCMH-31510K

DE CMH LAMP 630W

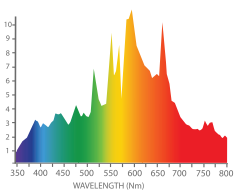
ILUMINAR Lighting 630W Double Ended (DE) Ceramic Metal Halide (CMH) lamp provides full spectrum light that benefits both the growth and flowering stages.

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.

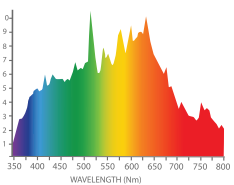
3K



3K RED



4K

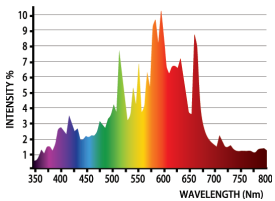


Model	Color Temperature	Photon Flux	Photon Flux/W	Lumens	Lumens Per Watt	Rate Life	CRI	SKU
3K RED	3000	1200 μmol/s	1.90 μmol/J	67000	110	10000 hrs	> 90	IL-LMPCDE-630R
3K	3000	1200 μmol/s	1.90 μmol/J	78500	125	10000 hrs	> 90	IL-LMPCDE-6303K
4K	4000	1150 μmol/s	1.83 μmol/J	65000	105	10000 hrs	> 97	IL-LMPCDE-6304K

DE CMH LAMP 1000W

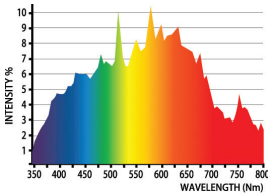
The 1000W CMH Double-Ended Lamp is a natural white light with a proprietary phosphor coating on the outside of the arc tube to provide a rich spectrum and superior color quality. Choose the 3K spectrum, for vegetation and flowering, or choose the 4K spectrum with added reds that promote tighter inter-nodal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

Horizontal DE

PROFESSIONAL GRADE DE HORTICULTURAL LIGHTS

Maximum Uniformity

Due to the high quality German materials and design of the ILUMINAR Lighting Deep reflector you are guaranteed the highest levels and uniformity for your garden. Swap with the ILUMINAR Lighting Wide reflector for lower clearance grow rooms.

Replaceable Reflector

All our reflectors are easy to replace, guaranteeing optimal performance of your equipment and prolonging the life of our investment. Due to grow room conditions, we recommend replacing your reflector every year. Do not attempt to clean the reflector, as the process of cleaning will damage the reflectivity of the reflector.

Rugged Design

Made of a coated, die-cast aluminum the reflector bracket is stable and durable, made for a life-long of trouble-free use.

Roll Lock Technology

Includes the ILUMINAR Lighting proprietary single-handed "roll lock" socket for our fixtures - that means simple, one-handed lamp installation. No more dropped bulbs!

COMPATIBLE WITH

- Remote CMH DE Ballast 630
- Remote Ballast HPS / MH
- DE HPS 1000W Lamp
- DE HPS 750/600W Lamp
- DE CMH 630W Lamp
- DE MH 1000W Lamp

IL Horizontal DE Lamp Fixture - No Lamp included	315-1000W 120-347V	120-347V	SKU: IL-HLDE

VERTICAL DE LAMP FIXTURE

At ILUMINAR Lighting, we dedicated ourselves to bringing back the Vertical Double-Ended fixture. With indoor vertical grow farms opening, vertical is back at the forefront of growers' thoughts and re-engineering traditional ideas is the new frontier.

Taller plants with more branched canopies have very different lighting needs compared to shorter, broader canopy plants. If light doesn't break the initial canopy layers at the top, you stand to lose yields in your branched canopies below. This is where vertical 'inter-canopy' lighting steps in.

FEATURES

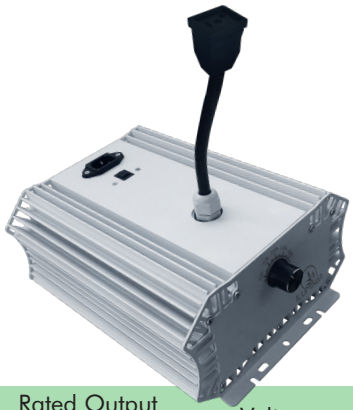
- Diameter: 104mm
- Length: 564mm
- Cord: 15 ft
- Plug type: SS
- Cold rolled, hot galvanized dipped steel frame
- Single hand 'roll-lock' socket for simple installation
- 360º Borosilicate glass safety jacket

COMPATIBLE WITH

- DE HPS 1000W Lamp
- DE HPS 750/600W Lamp
- DE MH 1000W Lamp
- DE MH 750W Lamp
- DE CMH 630W Lamp
- DE HPS/MH 1000W Ballast
- DE HPS/MH 750W Ballast
- DE CMH 630W Ballast

C ETL LISTED US
Intertek

Vertical DE Lamp - No Lamp included Vertical DE Lamp Top Hat (Reflector)	600 - 1000W 120-347V	120-347V	SKU: GL-VFIX SKU: GL-THR



REMOTE BALLASTS

The ILUMINAR Lighting DE Remote ballast gives the grower even more options for using the high powered DE Lighting Reflectors in any growing environment. If your room does not permit for a ballast, ILUMINAR Lighting delivers a remote controllable ballast that will outperform any of the units available on the market.

Operation Temp	Max. Temperature	Relative Humidity	Main Frequency	CCF
0 - 35°C / 32-95°F	75°C/167°F	85%	50 / 60Hz	<1.7

CMH REMOTE BALLAST 1000W 630W

Rated Output Wattage	Volts	Dimming Settings	Voltage Range	THD	Input Current	PF	Output Power	SKU
1000W	208V / 240V / 277V	Gear 945 - 1000 EXT	187-290V	<15%	5.10A / 4.60A / 3.85A	0.95	1045W	IL-RMCDE1K-277
630W	120V/240V 277V	Gear 50% - 75% - 100% -110% EXT	108-264V 249-305V		5.56A / 2.79A 2.4A		630W	IL-RMCDE630-120 IL-RMCDE630-277

HPS/MH REMOTE BALLAST 1000W 750W

Rated Output Wattage	Volts	Dimming Settings	Voltage Range	THD	Input Current	PF	Output Power	SKU
1000W	120V/240V 277V	600-750-825-1000-1150-EXT 945-1000-EXT	108-264V 249-305V	<10%	9.3A/4.6A 3.80A	0.99	1000W	IL-RMDE1K-120 IL-RMDE1K-277
750W	120V/240V 277V	400-500-600-750-825-EXT	108-264V 249-305V	<10%	6.7A/3.5A 2.91A	0.99	750W	IL-RMDE750-240 IL-RMDE750-277

TOUCH+ CONTROLLER

The ILUMINAR Lighting Touch+ Controller controls two zones or two separate rooms of lights within a 24-hour cycle. The controller turns groups of lights on and off, simulates sunrise and sunset and takes care of several other functions like overheat protection all from an easy-to-use touchscreen control.

The ILUMINAR Lighting Touch+ Controller will now allow you to control up to 60 lights per zone or room on two channels. Control up to a total of 120 lights.

FEATURES

- Control LED + CMH + HPS/MH
- Touch Screen Technology
- Sunrise / Sunset Effects
- 2 Independent Rooms, Controls up to 60 lights
- Dual Temperature Zone Input for High Heat Dimming
- Automatic Temperature Shutdown to Safeguard Your Grow
- Dual Temperature Probe Inputs

The ILUMINAR Lighting Touch+ Controller takes lighting to a level of simplicity that will allow any gardener to perfect their lighting schedule with just a few touches.

CABLES & CORDS
LED ACCESSORIES

ILUMINAR Lighting has a wide selection of power cords and accessories. Choose from a variety of cables for the iLi, iLx, iL1, iLW and iLBar series of LED fixtures.

Power Cord for iL1 and iLx	IP67	120V 240V 277V 347V	3-Pin Female	120V 5-15P 240V 6-15P 277V L7-15P 347V L24-20P		IL-LED-120AC IL-LED-240AC IL-LED-277AC IL-LED-347AC
Daisy Chain Power for iL1 and iLx	IP67	120-277V 120-277V 200-480V 200-480V	Cord 1.8m Cord 3m Cord 1.8m Cord 3m	3-Pin Female	3-Pin Male	IL-LED-DC120 IL-LED-DC1203M IL-LED-DC480 IL-LED-DC4803M
Extension Cord for Original iL/iLx used for Single Bar Extensions	IP67		0.6m (2′) 1.2m (4′)	2-Pin Female	2-Pin Male	IL-EXTLED-2PIN-06 IL-EXTLED-2PIN-12
ILW and iLBAR Daisy Chain for Power	IP67	120-277V 120-277V 120-277V	Dual Connector Triple Connector Quad Connector	3-Pin Female	3-Pin Male	IL-LEDCON-DUAL IL-LEDCON-TRIP IL-LEDCON-QUAD
ILW and iLBAR Power Cord	IP67	120V 240V 277V	3-Pin Female	120V 5-15P 240V 6-15P 277V L7-15P		IL-ILWCRD-120 IL-ILWCRD-240 IL-ILWCRD-277
ILUMINAR Rope Ratchets 1/8 with Metal Gears						IL-RR182PK

CABLES & CORDS

HID POWER CORDS

Power Cord Wieland Female to Male	120V 240V 277V 347V	NEMA 5-15 Plug NEMA 6-15 Plug NEMA L7-15 Twist Lock NEMA L24-20 Twist Lock	15′/4.5m 15′/4.5m 15′/4.5m 15′/4.5m			IL-WLDCRD-120V IL-WLDCRD-240V IL-WLDCRD-277V IL-WLDCRD-347V
Hi-Voltage Power Cord Wieland Female to Wire Whip			3.2′/1m			IL-WLDCRD-WHIP

CONTROLLER CONNECTIONS

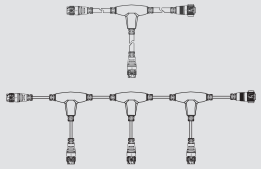
LED Daisy Chain Dimmer	(Fixture to Touch controller) (Fixture to HASH controller) (Original - Fixture to 2 Wire) (Fixture to Fixture) 1.8m (Fixture to Fixture) 3m	2-Pin Male 	RJ9 RJ14 2-Pin Female 	IL-1DimRJ9 IL-1DimRJ14 IL-1Dim IL-1Dim18 IL-1Dim3
HID RJ11/14 Splitter	(1- RJ11 in - 2- RJ11/14 out)		Female RJ11/14 Socket	IL-ADPT-SPLIT
HID RJ11/14 Cable for Fixture to Fixture connection	5ft / 1.5m (Male to Male RJ11/14 cables) 10ft / 3m (Male to Male RJ11/14 cables)			IL-CCRD-RG14-05 IL-CCRD-RG14-10

Cable Logic™

CABLES & CORDS
POWER

Reduce electrical and cabling costs in your room or facility by using the ILUMINAR Lighting Cable Logic cable system. Cable Logic easily snaps on and of with our twist lock system creating a waterproof seal rated IP67.

JUNCTION MAIN-LINE AC CONNECTOR

Single Joint Multi Joint	2 fixtures 4 fixtures	IP67	120V-480V	Female Male		IL-SJC IL-MJC
Main-Line AC Extension Cable		IP67	120V-480V	0.8m / 3ft 1.8m / 6ft 4.5m / 15ft	Female Male 	IL-TML3 IL-TML6 IL-TML15
Secondary AC Extension Cables		IP67	120V-480V	0.9m / 3ft 1.8m / 6ft	Female Male 	IL-TS3 IL-TS6

Cable Logic™

CABLES & CORDS

The Cable Logic system is easy and safe to install. They are all UV prohibitory which means that they will go the distance under intense lighting and grow room conditions. UL Certified and IP67 Wet Rated, so you're assured to have the highest quality connections in your garden.

Power Cord	IP67	120V 240V 277V 347V 480V	0.25m / 10"	Female	120V 5-15P 240V 6-15P 277V L7-15P 347V L24-20P	IL-T120 IL-T240 IL-T277 IL-T347 IL-PNLM
Cable Logic Panel Mount	IP67	120V-480V	0.15m / 6"	Female	20A BARE WIRE	IL-PNLM
Cable Logic Dimming Cable	IP67	0-10V	0.4m / 1.3ft 0.9m / 3ft 1.8m / 6ft 3m / 10ft 6m / 20ft		0-10V	IL-D1 IL-D3 IL-D6 IL-D10 IL-D20

DIMMER SWITCH

Dim from 100% to 25% and turn ON/OFF your ILUMINAR Lighting LED using the customized ILUMINAR Lighting LED Dimmer Switch.

Dimming Settings	OFF - 25% - 50% - 75% - 100%
Dimming	0-10V
Ingress Protection (IP)	IP54
Warranty	3 Years
Working Temperature	35°C / 95°F
Dimmer Connection	RJ14
# of Fixtures to Control	1

Length	5.12″	130mm
Width	1.18″	30mm
Height	1.77″	45mm
Weight	0.06 lb	0.3 Kg

3 YEAR WARRANTY

IP54

WARANTY

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

ILUMINAR®

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

Commercial Lighting
Design Service Available
sales@iluminarlighting.com

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