



HELENOR H8 HELENOR X8



POWERED BY



OSRAM



LITE SCIENCE®

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HELENOR H8 HELENOR X8

Designed for commercial grow of medical plants



Technical Specifications

Fixture	HELENOR H8 640W		HELENOR X8 640W
	120 Volts	240 Volts	277 Volts
Input Voltage +/- 10%	120 Volts	240 Volts	277 Volts
Max. Input Current	5.45 Amps	2.9 Amps	2.5 Amps
Power Factor	0.99	0.95	0.95
Max. Wattage +/- 3%	640 Watts	640 Watts	640 Watts
Qty. of Light Bars	8 Bars	8 Bars	8 Bars
Light Output PPF	1686~1815 μ mol/s	1686~1815 μ mol/s	1686~1815 μ mol/s

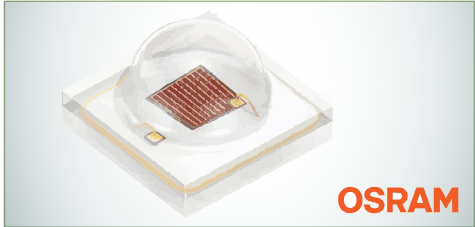
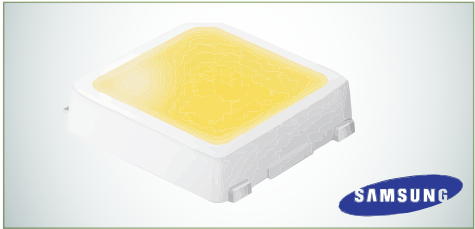
Fixture	HELENOR H8 840W		HELENOR X8 840W
	120 Volts	240 Volts	277 Volts
Input Voltage +/- 10%	120 Volts	240 Volts	277 Volts
Max. Input Current	7.2 Amps	3.7 Amps	3.3 Amps
Power Factor	0.99	0.95	0.95
Max. Wattage +/- 3%	840 Watts	840 Watts	840 Watts
Qty. of Light Bars	8 Bars	8 Bars	8 Bars
Light Output PPF	2224~2369 μ mol/s	2224~2369 μ mol/s	2224~2369 μ mol/s

Fixture	HELENOR H8 960W		HELENOR X8 960W
	120 Volts	240 Volts	277 Volts
Input Voltage +/- 10%	120 Volts	240 Volts	277 Volts
Max. Input Current	8.2 Amps	4.3 Amps	3.7 Amps
Power Factor	0.99	0.95	0.95
Max. Wattage +/- 3%	960 Watts	960 Watts	960 Watts
Qty. of Light Bars	8 Bars	8 Bars	8 Bars
Light Output PPF	2542~2708 μ mol/s	2542~2708 μ mol/s	2542~2708 μ mol/s

HELENOR H8/X8

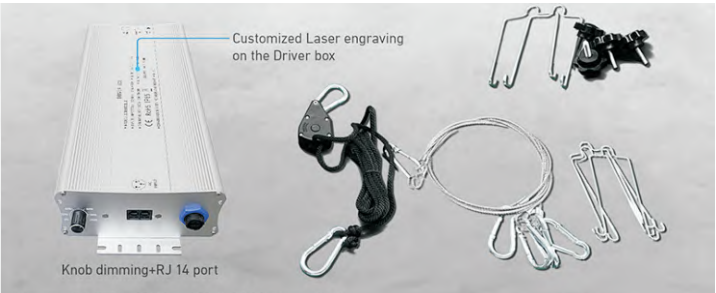
- Efficacy up to 2.84 $\mu\text{mol}/\text{J}$
- SAMSUNG LM301B/LM301H, OSRAM 660nm
- MEAN WELL LED driver
- Knob dimming+RJ port dimming 0%-100%
- Folding design for fast and easy installation
- High Yield: more than 2 grams per watt
- 5~7 years warranty

Details

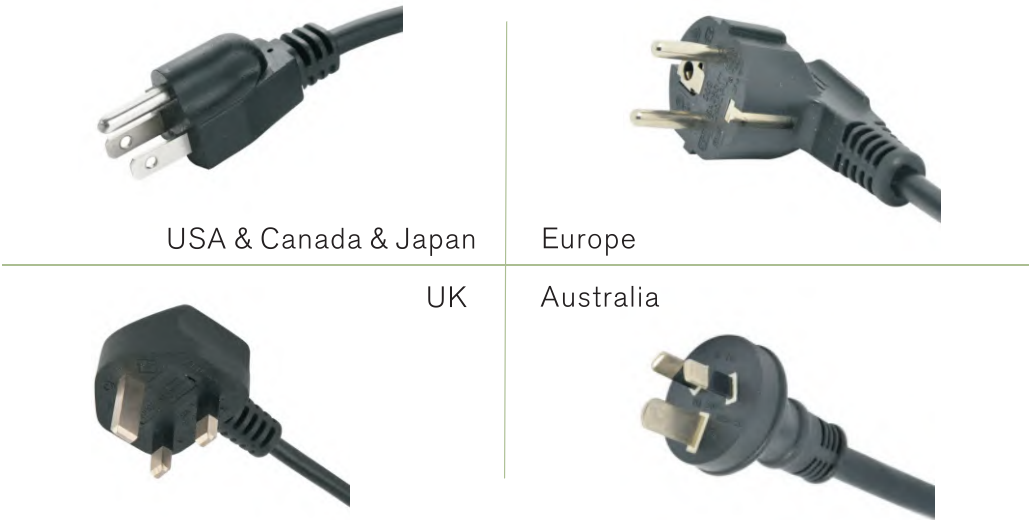


LED Driver	MEAN WELL	Surge Protection	4KV
LED Brand	SAMSUNG & OSRAM	LED Configuration	3000K+4000K & 660nm
Dimming	Knob + RJ port	Efficacy	2.63~2.84 $\mu\text{mol}/\text{J}$
Dimming	0%-100%	Power Cord Length	6' (1.8 M)
IP Rate	IP 65	Max. Ambient Temp.	95°F (35°C)
Warranty	5~7 Years	Mounting Height	>6" (Above Canopy)

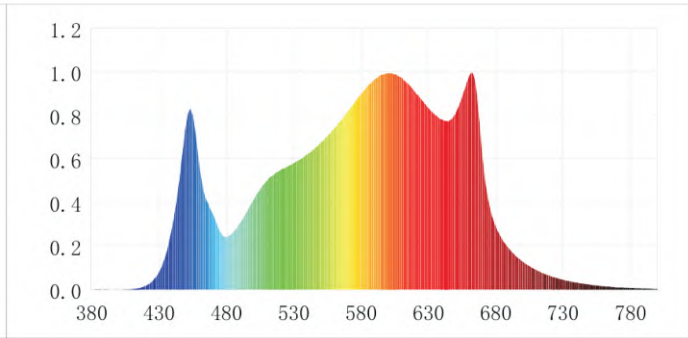
Customized Laser Engraving



Options of Plug



Full Spectrum



Wavelength Range	PPF Proportion
< 400nm	0 %
400-500nm	13.62 %
500-600nm	39.33 %
600-700nm	44.34 %
700-800nm	2.71 %

Coverage Footprint (640W)

Vegetative stage: 4' X 4' (1.2m*1.2m) to 7' X 7' (2.1m * 2.1m)

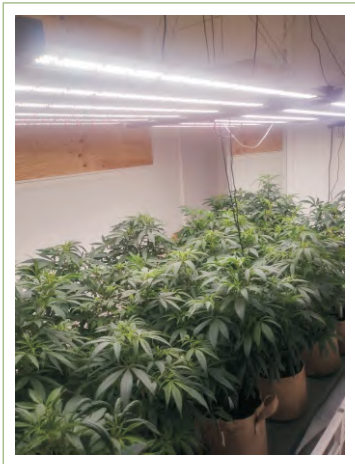
Flowering stage: 4' X 4' (1.2m*1.2m) to 5' X 5' (1.5m * 1.5m)

Indoor Application

Vertical Racks



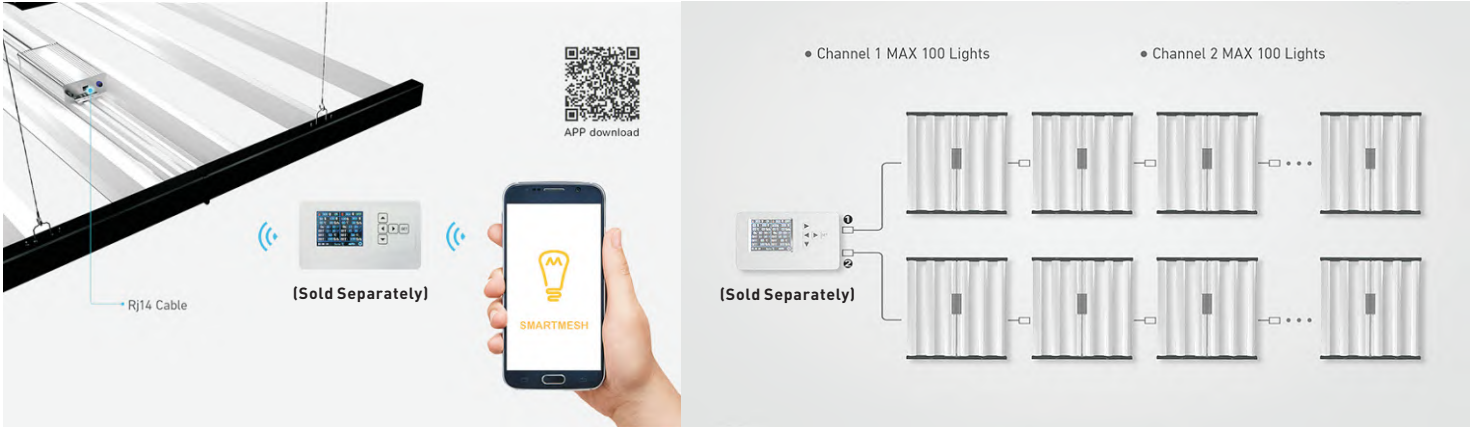
Open Space



Grow Tent

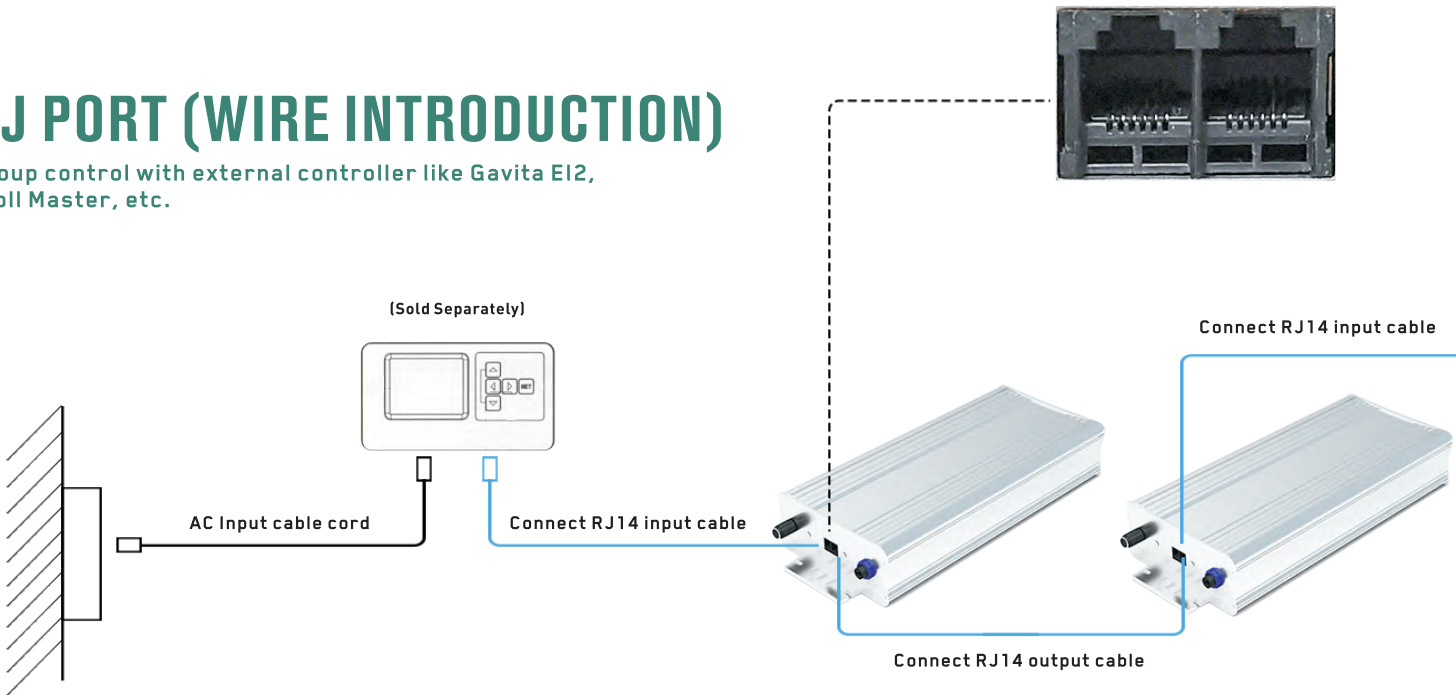


Knob Dimming+RJ Port dimming 0%-100%



RJ PORT (WIRE INTRODUCTION)

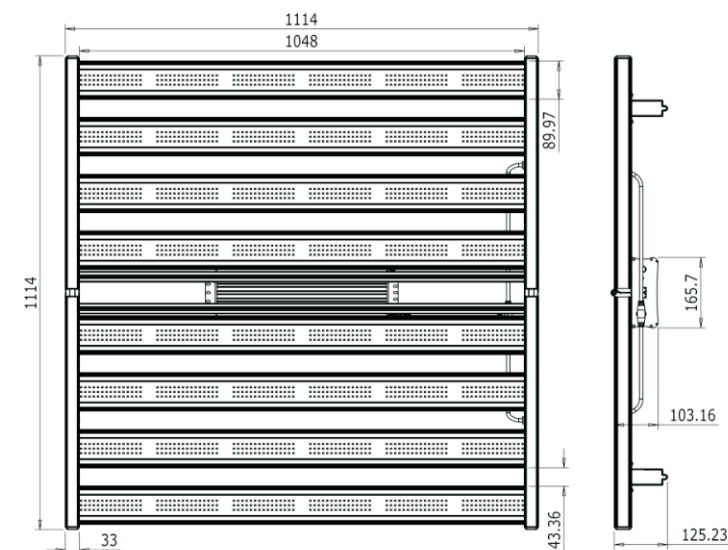
Group control with external controller like Gavita EI2, Troll Master, etc.



Control signal input and output

Controller (RJ14 6P4C)							
	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	
	N/A	Dim +	Dim -	Dim -	Dim +	N/A	
Fixture (INPUT) Side (RJ14 6P4C)							
	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	
	N/A	Dim +	Dim -	Dim -	Dim +	N/A	
Fixture (OUTPUT) Side (RJ14 6P4C)							
	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	
	N/A	Dim +	Dim -	Dim -	Dim +	N/A	

Dimension & Weight



Fixture Dimension:
1114mm X 1114mm X 103mm
(43.86" X 43.86" X 4.06")

Fixture Net Weight:
20 kgs (44 lbs) Including Driver box

Package

1 Unit

Luminaire		Driver Box (640W)	
Carton Size	118cm X 64cm X 15cm 46.46" X 25.2" X 5.9"	Carton Size	55cm X 34cm X 18cm 21.65" X 13.39" X 7.09"
Weight	13.5 kgs	Weight	6 kgs
Qty. / Ctn.	1 piece	Qty. / Ctn.	1 piece

Luminaire		Driver Box (840W/960W)	
Carton Size	118cm X 64cm X 15cm 46.46" X 25.2" X 5.9"	Carton Size	75cm X 34cm X 18cm 29.53" X 13.38" X 7.09"
Weight	13.5 kgs	Weight	9 kgs
Qty. / Ctn.	1 piece	Qty. / Ctn.	1 piece

2 Units

Luminaire		Driver Box (640W)	
Carton Size	118cm X 64cm X 25cm 46.46" X 25.2" X 9.84"	Carton Size	55cm X 53cm X 18cm 21.65" X 20.87" X 7.09"
Weight	26 kgs	Weight	12.5 kgs
Qty. / Ctn.	2 pieces	Qty. / Ctn.	2 pieces

Luminaire		Driver Box (840W/960W)	
Carton Size	118cm X 64cm X 25cm 46.46" X 25.2" X 9.84"	Carton Size	75cm X 53cm X 18cm 29.53" X 20.87" X 7.09"
Weight	26 kgs	Weight	18 kgs
Qty. / Ctn.	2 pieces	Qty. / Ctn.	2 pieces

HELENOR H8/X8 Installation

Warning! Mounting and installation of the LED fixture must be done by certified service personnel, in accordance with the applicable local laws and regulations.

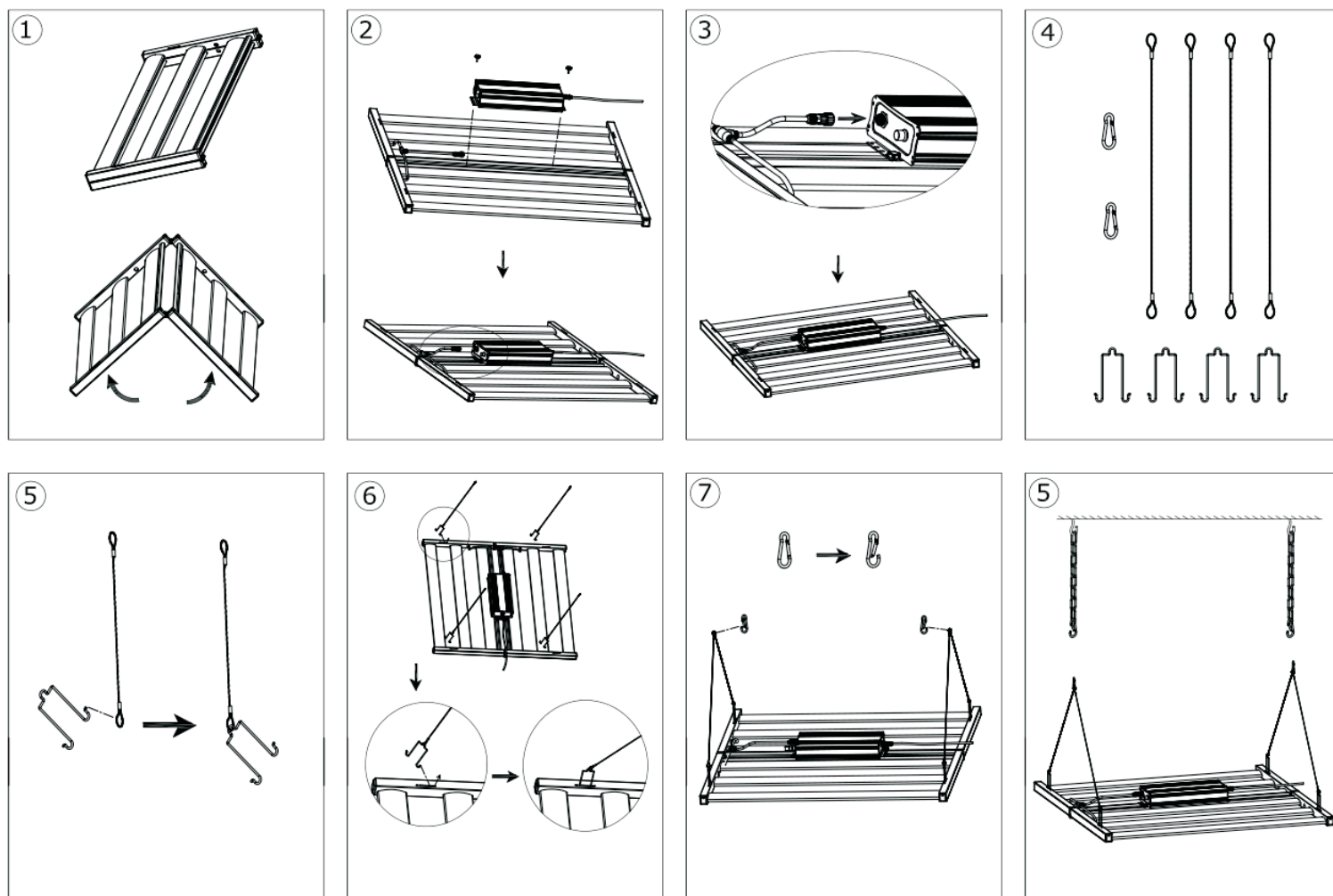
Warning! The installer is responsible for correct and safe installation.

Warning! Do not connect or disconnect the LED fixture under load.

Warning! Mount the system to something that can hold the weight of the LED fixture.

Warning! Do not touch the leds to avoid damaged.

Warning! Switch off the main power before installation.



Installation Steps

Step 1: Unfold the fixture.

Step 2: Install the LED driver with 2 screws found in accessory bag.

Step 3: Connect the DC side from the Light Fixture to the driver.

Step 4: Take out the clips, hooks and ropes from accessory bag.

Step 5&6: Snap in the clips and chain on the rail of the light fixture.

Step 7&8: Hook together the chain and the adjustable ratchet hangers.

Step 7: Connect AC side from the driver and Switch on the power;