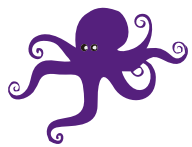




HORTIBEST[®]
LED GROW LIGHTS

www.hortibest.com



Octopus- H2/H3/H4

Horticultural Lighting



Octopus-H2/H3/H4 are designed for vertical farming and indoor cultivation.
Your perfect choices for germinating, seedling, cloning and also vegetative phase.



Product Function

- Fanless Design
- IP65 Waterproof
- Dimmable: 0-10V
- Lights can be connected in series
- Plug and play design
- OSRAM LEDS, LM-80
- ETL, DLC, UL8800, CE certification
- Input Voltage:120-277VAC
- Slim design
- Uniform PPFD distribution

Specifications

Model	Octopus-H2	Octopus-H3		Octopus-H4
AC Input Power	170W	170W	240W	320W
Spectrum	FSG			
Efficacy	2.5/2.7 μmol/J			
Light Output PPF	425/459 μmol/s	425/459 μmol/s	600/648 μmol/s	800/864 μmol/s
AC Input Voltage	AC 120-277V, 50/60Hz			
Light Distribution	120°			
Mounting Height	At Least 12"(30.5cm) Above Canopy			
Thermal Management	Passive			
Max. Ambient Temperature	113°F / 45°C			
Dimension (L*W*H)	47.0*13.9*2.0inch (1193*353*50mm)	47.0*18*2.0inch (1193*458*50mm)		47.0*21.1*2.0inch (1193*536*50mm)
Weight	7.1lbs (3.2kg)	7.9lbs (3.6kg)	9.9lbs (4.5kg)	13.2lbs (6.0kg)
Dimming	0-10 V			
Dimming Knob	40%-60%-80%-100%-Off			
Total Harmonic Distortion (THD)	< 10%			
Lifetime	L90: > 50,000hrs			
IP Rating	IP65			
Certifications	ETL / UL 8800 / CE / DLC			
Warranty	5 Year Standard Warranty			
DLC Model NO.	OC-H-170A FSG 26 D1			

Octopus-H2/H3 170W NOMINAL ELECTRICAL AC INPUT

AC VOLTAGE	120V	208V	230V	277V
AC Current	1.44A	0.83A	0.76A	0.65A
AC Power	172W	168W	167W	169W
Power Factor	0.993	0.978	0.959	0.939
Daisy Chain Quantity	6Pcs	10Pcs	11Pcs	12Pcs

Octopus-H3 240W NOMINAL ELECTRICAL AC INPUT

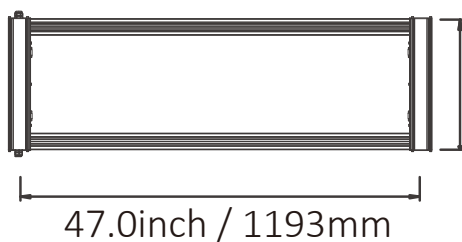
AC VOLTAGE	120V	208V	230V	277V
AC Current	2.09A	1.20A	1.09A	0.95A
AC Power	249W	244W	241W	245W
Power Factor	0.994	0.978	0.961	0.934
Daisy Chain Quantity	5Pcs	8Pcs	9Pcs	10Pcs

Octopus-H4 320W NOMINAL ELECTRICAL AC INPUT

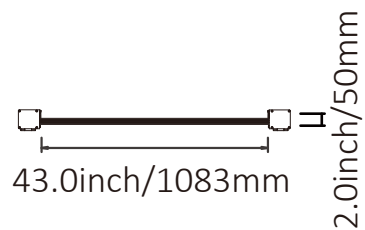
AC VOLTAGE	120V	208V	230V	277V
AC Current	2.79A	1.59A	1.45A	1.26A
AC Power	333W	324W	321W	327W
Power Factor	0.993	0.977	0.961	0.936
Daisy Chain Quantity	4Pcs	6Pcs	7Pcs	8Pcs

Product Dimension

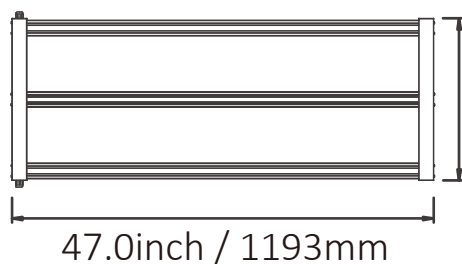
Octopus-H2 170W



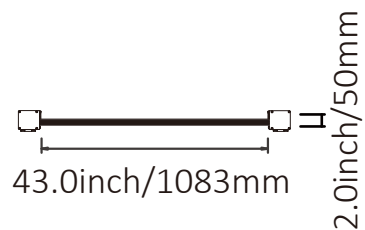
13.9inch / 353mm



Octopus-H3 170W/240W



18.0inch / 458mm



Octopus-H4 320W

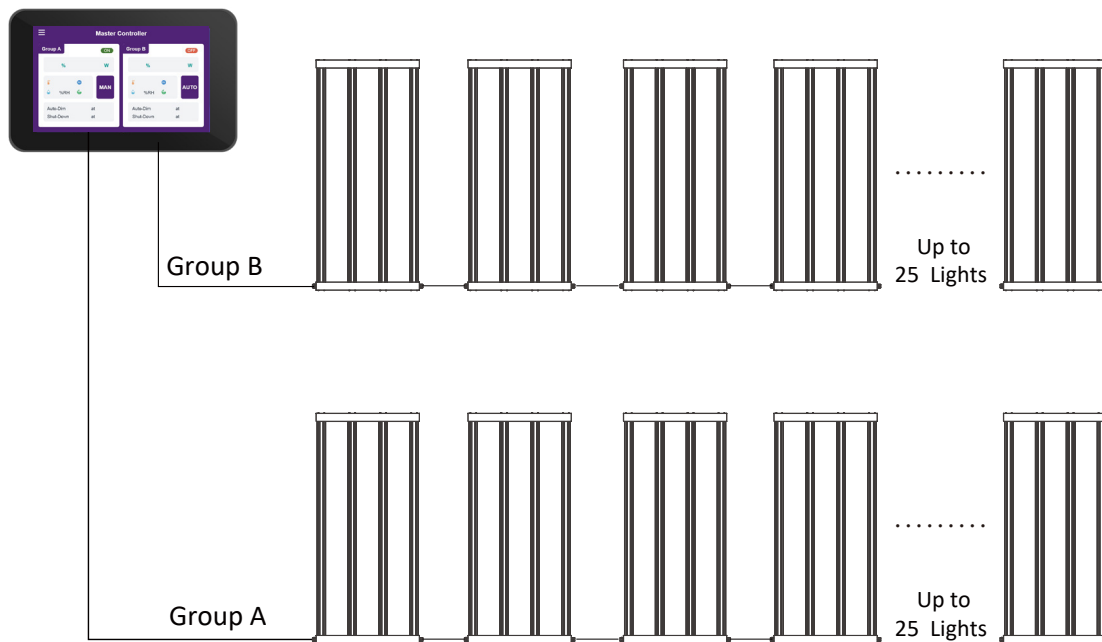


21.1inch / 536mm

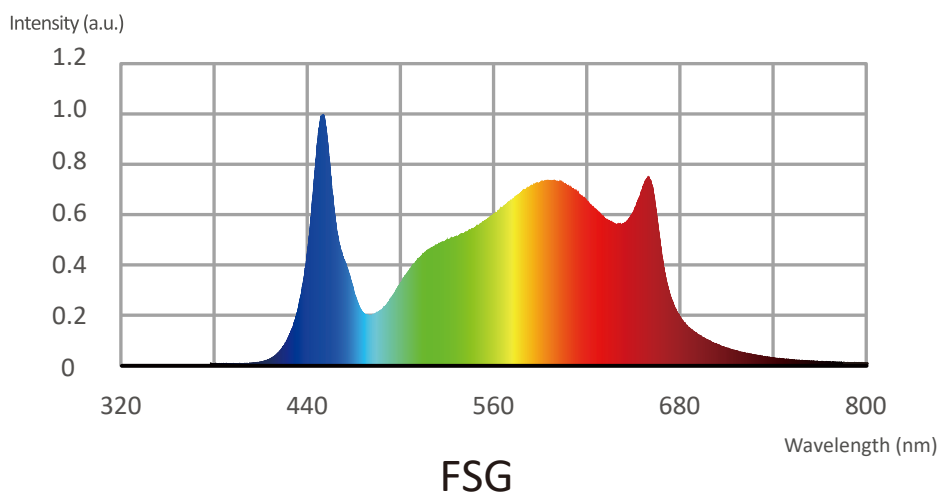


Dimming Wiring Diagram

Master Controller

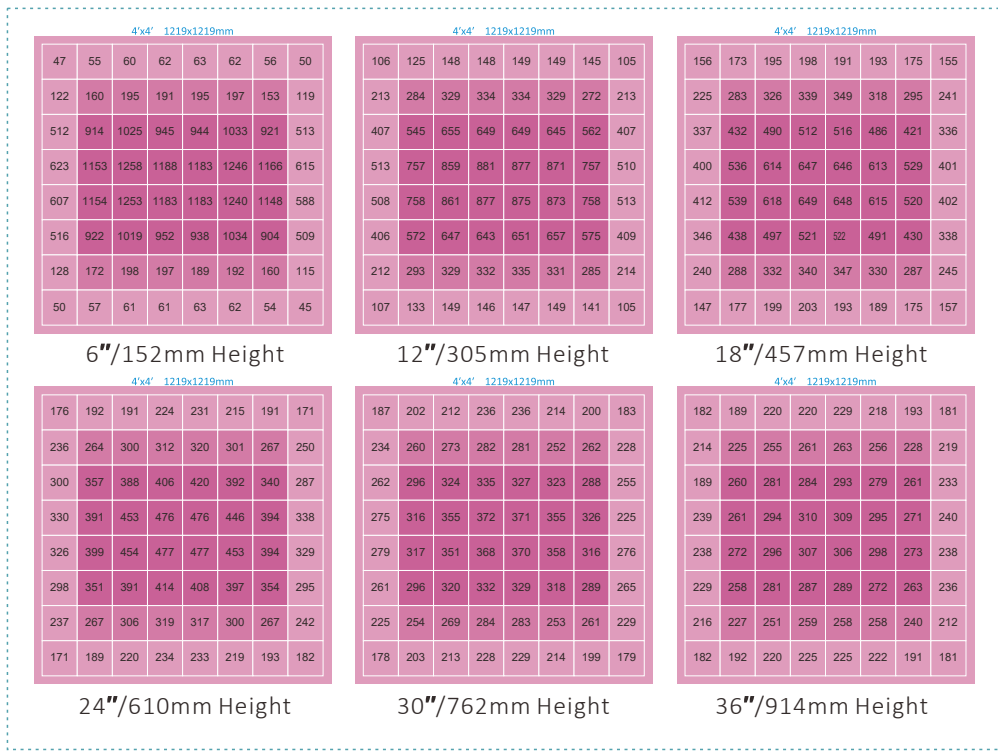


Spectra

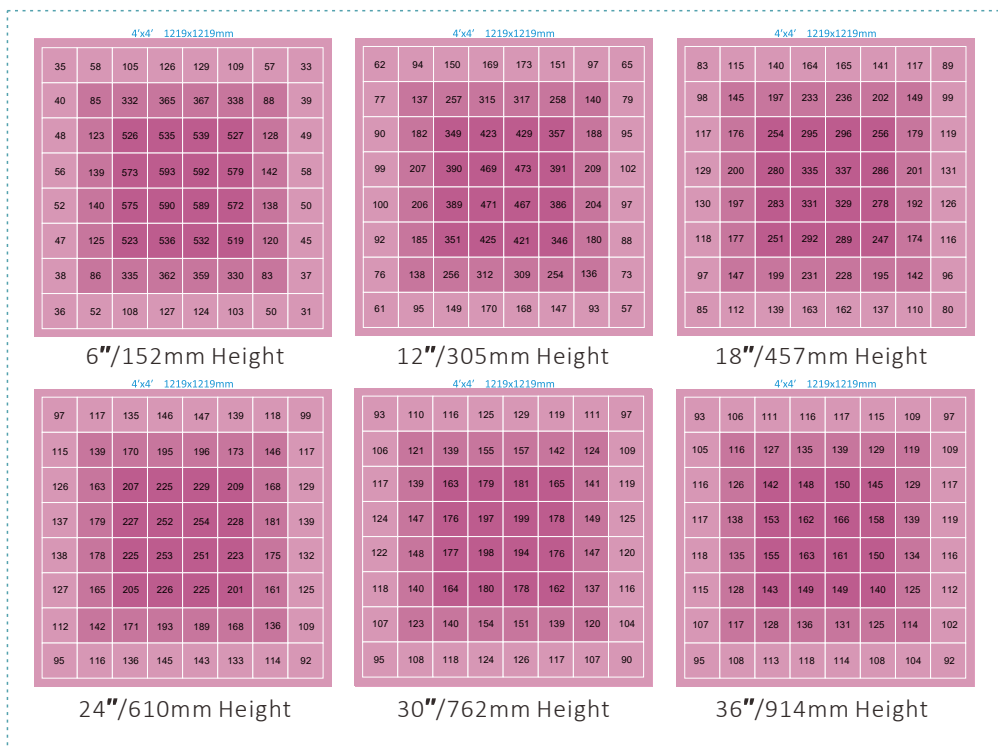


PPFD

320W Octopus-H4 PPF Distribution^{1,2} FSG 2.7μmol/J



170W Octopus-H2 PPF Distribution^{1,2} FSG 2.7μmol/J



1. At 100% light intensity
2. Measured in isolation, no adjacent grow lights, no reflective walls

LM-80 Report Of OSRAM

IES TM-21-11 Projection 160522W4

Appendix A: Lumen Maintenance Projection (IES TM-21-11)

For Information Only!

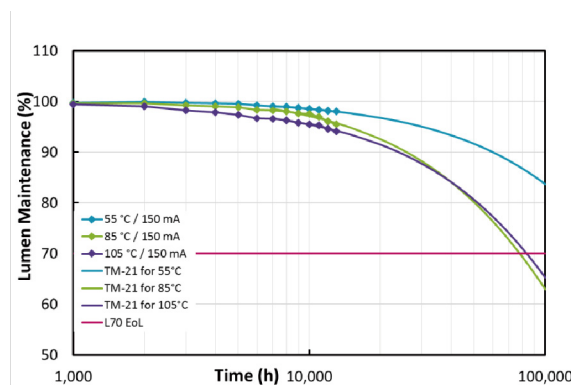
1. General Information

Description of LED light source tested	DURIS E 5 GW JDSRS1.EC
Sample size per temperature	30
LED drive current used in the test	150 mA
Test duration	13,000 hours
Test duration used for projection	8,000 hours to 13,000 hours

2. Projection Data

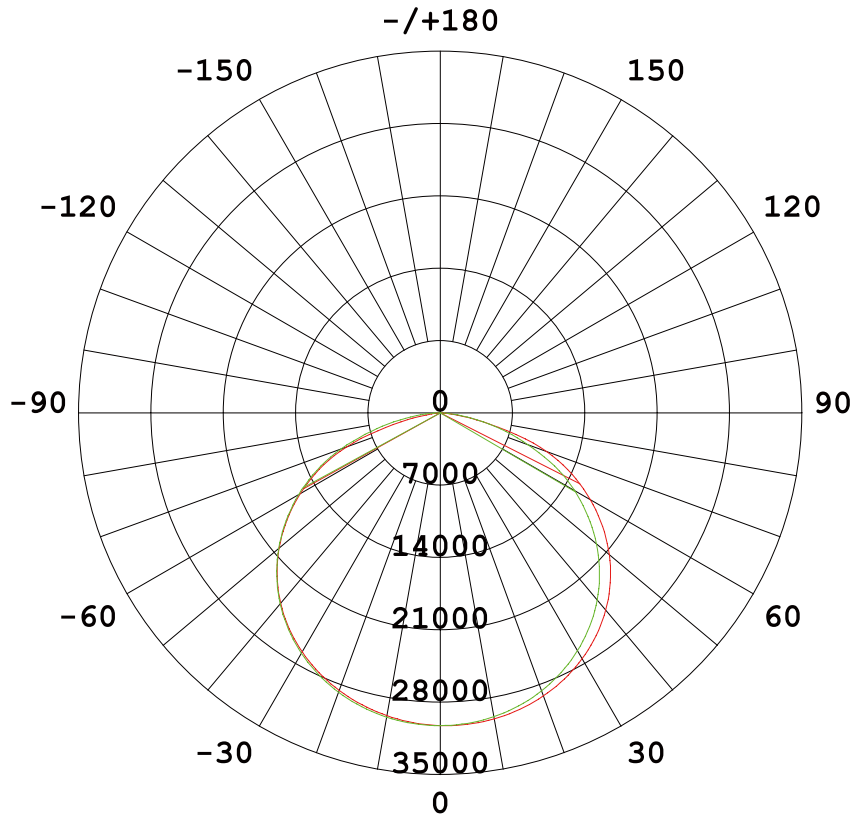
	I	II	III
Case temperature (solder point)	$T_s = 55\text{ }^\circ\text{C}$	$T_s = 85\text{ }^\circ\text{C}$	$T_s = 105\text{ }^\circ\text{C}$
α	1.818E-06	4.821E-06	4.227E-06
B	1.004E+00	1.019E+00	9.957E-01
Reported L70	>78,000 hours	77,955 hours	>78,000 hours

3. Graphic chart



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IES



UNIT: cd

— C0/180, 124.0

— C90/270, 121.1

Beam Angle(50%Imax):C0/180Left:62.0 Right:62.0 [C0/180]Total=124.0
 :C90/270Left:60.5 Right:60.5 [C90/270]Total=121.1

Accessories

Plug Option for the US and Canada



- NEMA 5-15P 120V/60Hz
- NEMA 6-15P 240V/60Hz

Plug for the EU



- CEE 7/7 230V/50Hz

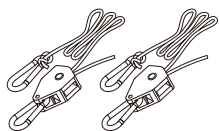
Hanging Kit



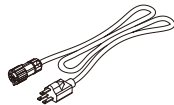
- Ratchet Rope * 2

Installation

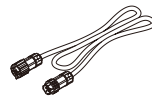
Accessories:



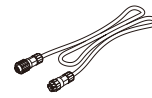
Ratchet Ropes



AC Power Cord

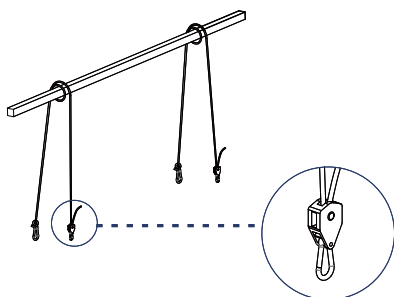


AC Connection Cord (Optional)



Dimming Connection Cord (Optional)

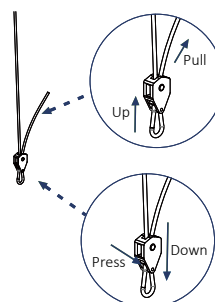
1 1.1 Hang the ratchet ropes on the beam (picture 1)



picture 1

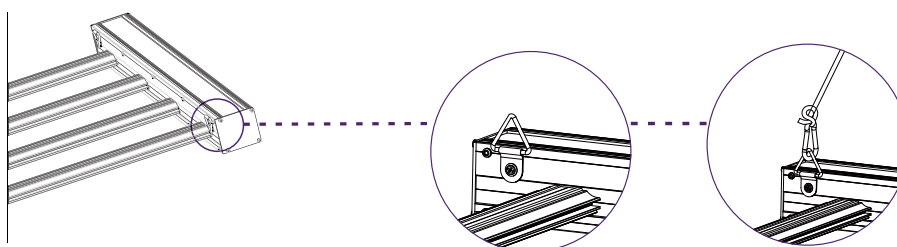
Carabiner

1.2 Pull the rope to adjust the fixture up ; or press the lock to release or lower down the fixture (picture 2)

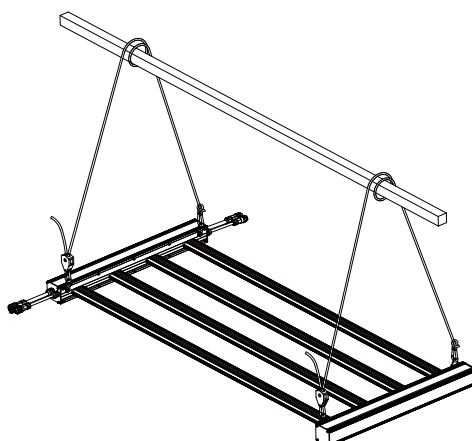


picture 2

2 Lock the carabiners into the rings on the light

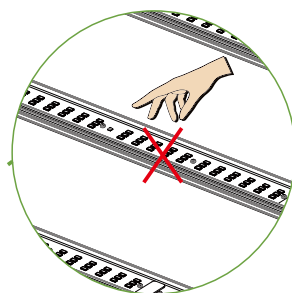
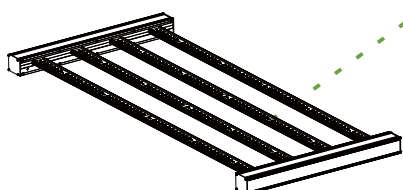


3 Assembly completed

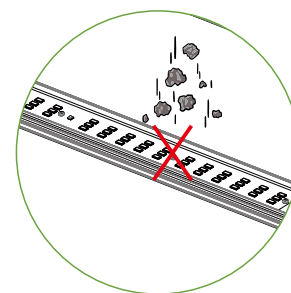




Warning



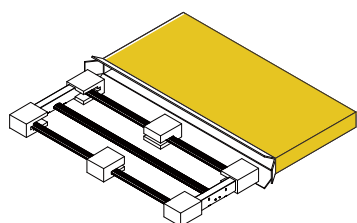
1. Please do not press the LEDs to avoid damaging when installing the luminaire.



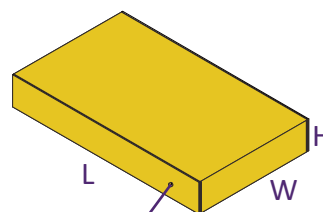
2. Please do not put anything on the LEDs to prevent damaging of the luminaire.

Packing

Type	Carton Size	G.W per Carton	Quantity per Carton
Octopus-H2	L49.6*W20.9*H3.9inch (L1260*W530*H100mm)	14.8lbs (6.7kg)	1 PCS
Octopus-H3	L49.6*W24.0*H4.7inch (L1260*W610*H120mm)	15.7lbs (7.1kg)	1 PCS
Octopus-H4	L49.6*W26.8*H4.7inch (L1260*W680*H120mm)	18.1lbs (8.2kg)	1 PCS



Octopus-H2/H3/H4



Seal in this side

Important Safety Precautions

1. Risk of fire or electric shock: turn off power before installing.
2. Always use product within Safe Working Load.
3. Designed for statically positioned hanging. Do not use for lifting or with dynamic positioning.
4. Do not walk or stand on product.
5. Always use manufacturer supplied and specified cables. Never use uncoated cables.
6. Do not apply oil or any other lubricant to the fastener or any other part of the cable assembly.

