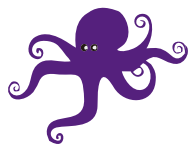




HORTIBEST[®]
LED GROW LIGHTS

www.hortibest.com



Octopus-H8 720W

Horticultural Lighting



Octopus-H8 is an indoor growing solution for both home growers and commercial cultivation. Uniform PPFD and high efficacy help to maximize the light output for higher crop yields.



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 and 180 degree foldable
- Uniform PPFd distribution

Specifications

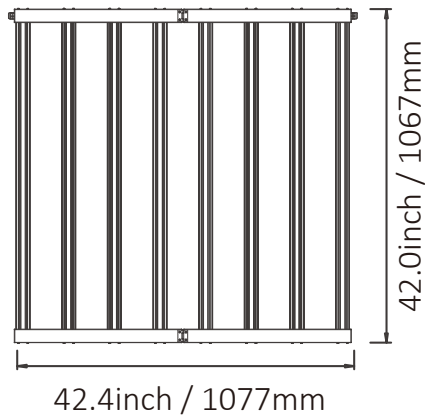
Model	OC-H-720A
Power Consumption (incl. driver)	720W
AC Input Voltage	AC 120-277V , 50/60Hz
Input Current	Max 6.7A@120VAC; Max 3.9A@208VAC; Max 3.5A@230VAC; Max 2.9A@277VAC;
Power Factor	>0.9
Spectrum	FSG
Efficacy (μmol/J)	2.5 / 2.7
PPF (μmol/J)	1800 / 1944
Heat Output	2448 BTU/h
Thermal Management	Passive
Operating Temperature	-4 - 113°F (-20 - 45°C)
Storage Temperature	-40 - 176°F (-40 - 80°C)
Dimension (L*W*H)	42*42.4*2.0inch (1067*1077*50mm)
Weight	22.7lbs (10.3kg)
Dimming	0 - 10V
Total Harmonic Distortion (THD)	< 15%
Lifetime	L90: > 50,000hrs L70: >78,000hrs
IP Rating/Location Rating	IP65 / Wet
Certifications	ETL / UL 8800 / CE / DLC
Warranty	5 Year Standard Warranty

NOMINAL ELECTRICAL AC INPUT

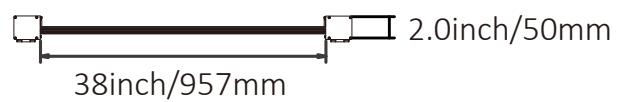
AC Voltage	120V	208V	230V	277V
AC Current	6.26A	3.55A	3.18A	2.66A
AC Power	748W	729W	720W	714W
Power Factor	0.996	0.987	0.983	0.969
Daisy Chain Quantity	2Pcs	3Pcs	4Pcs	5Pcs

Product Function

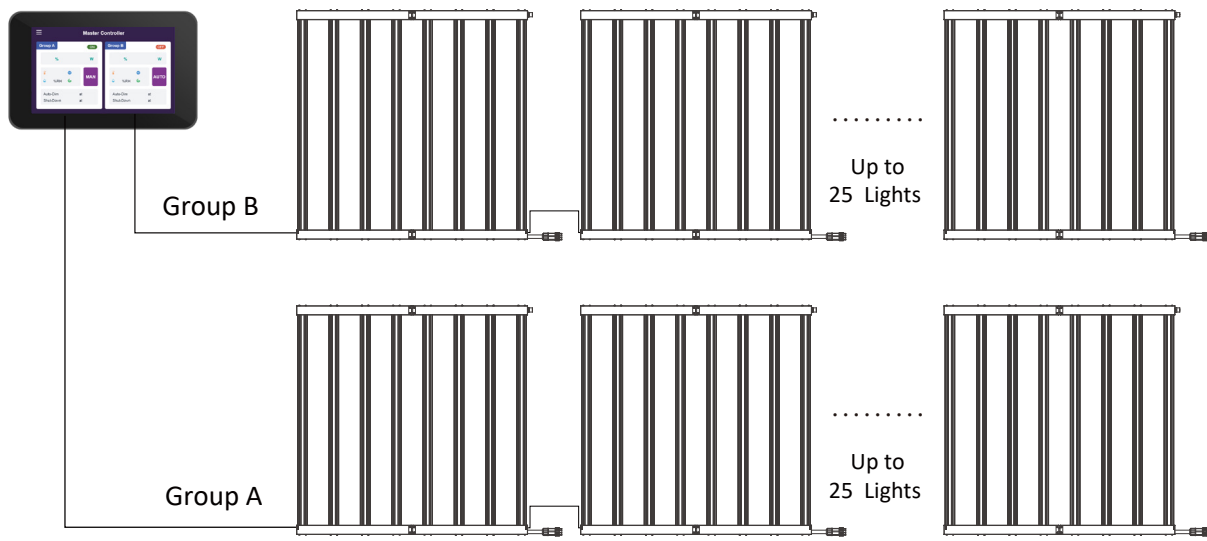
TOP VIEW



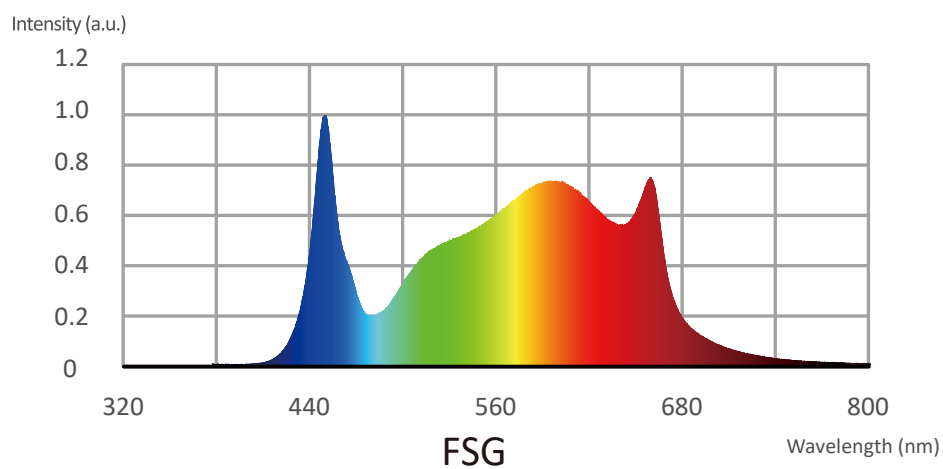
SIDE VIEW



Dimming Wiring Diagram



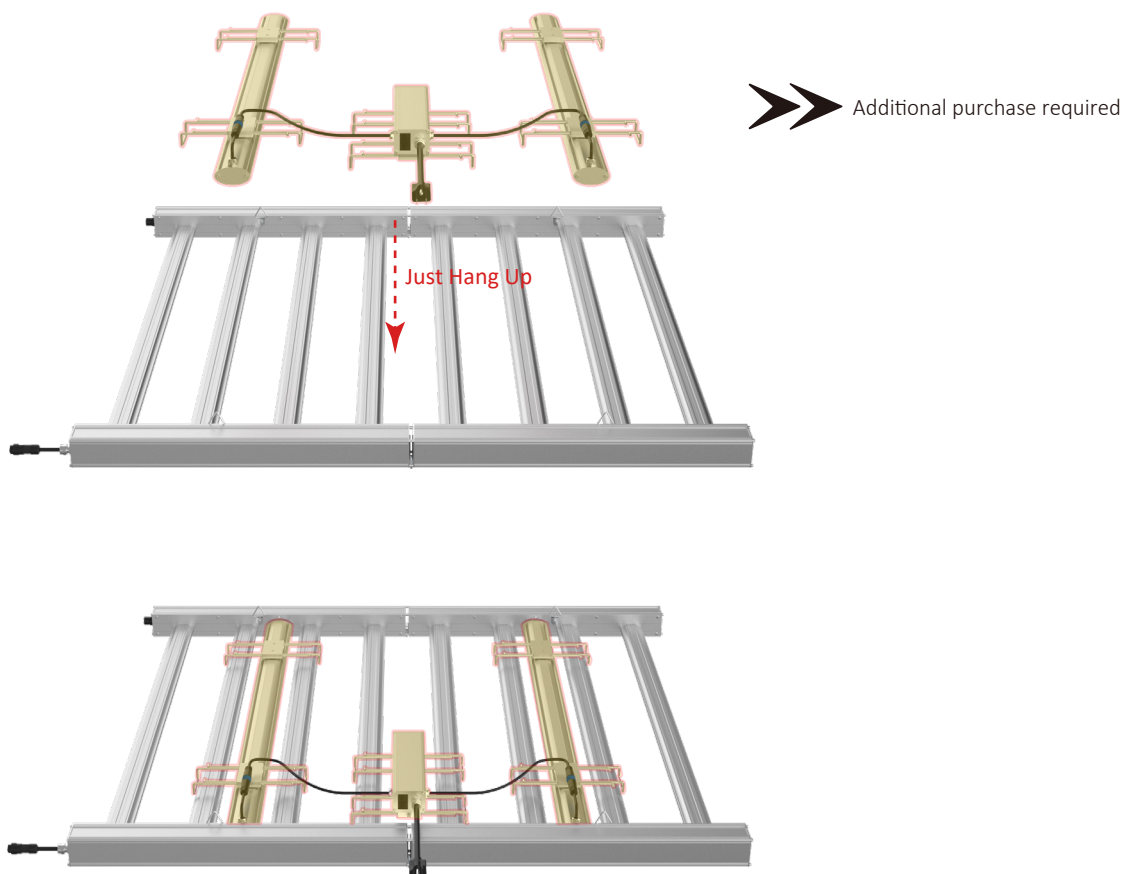
Spectra



Supplemental Bars and Adjustable Spectrum

Adding supplemental bars with UVA 385nm / Red 660nm / Blue 450nm / FR 730nm spectrum on a full spectrum light fixture, is what we call an adjustable spectrum.

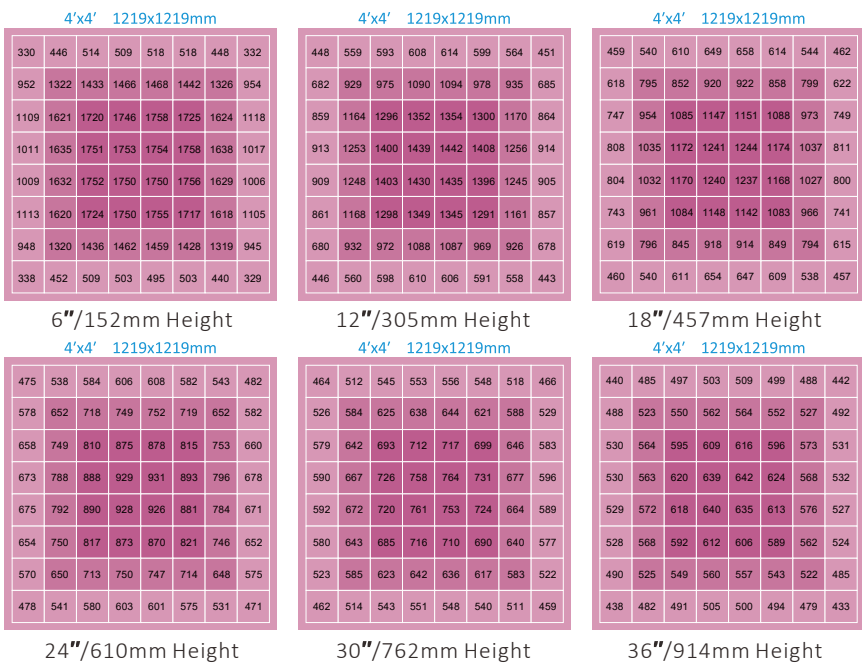
It is specially suitable for vegetation and flowering periods to accelerate growth and increase THC content. It is suggested to add two supplemental bars on a Octopus-H8 light if required.



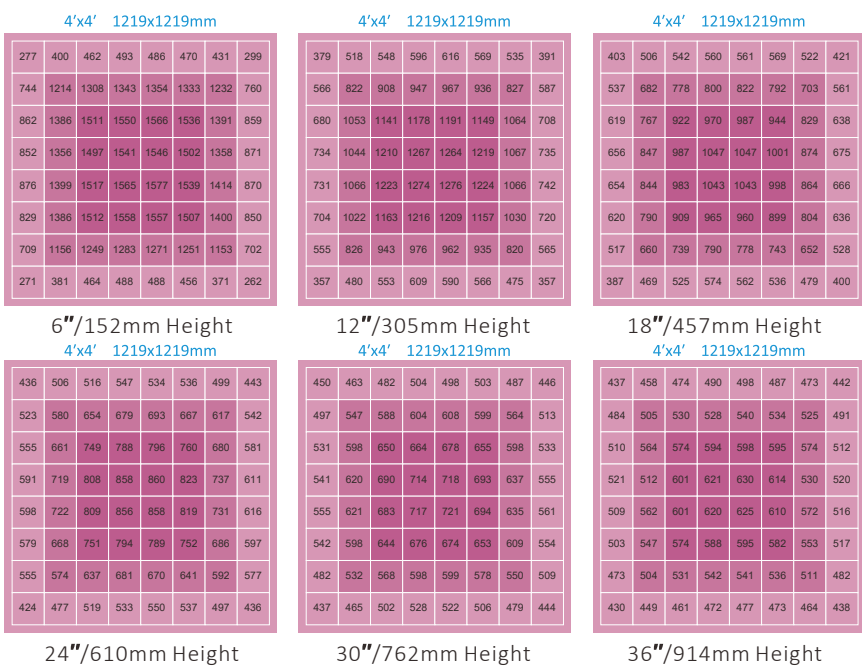
PPFD

Measured in isolation at 100 % light intensity with fixture centrally hanging at pre-determined height above a 4'x 4' grow area.

720W Octopus-H8 PPFD Distribution^{1,2} FSG 2.7µmol/J



720W Octopus-H8 PPFD Distribution^{1,2} FSG 2.5µmol/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!

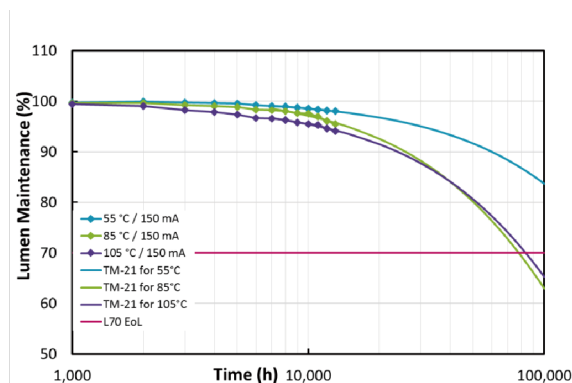
1. General Information

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

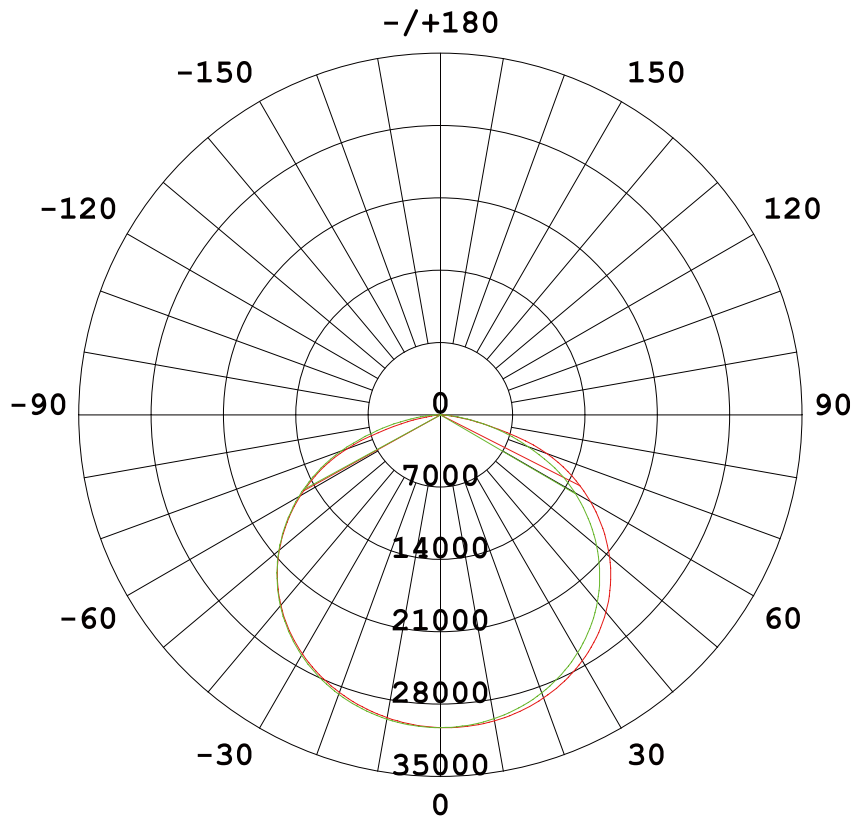
	I	II	III
Case temperature (solder point)	$T_s = 55\text{ }^\circ\text{C}$	$T_s = 85\text{ }^\circ\text{C}$	$T_s = 105\text{ }^\circ\text{C}$
α	1.818E-06	4.821E-06	4.227E-06
B	1.004E+00	1.019E+00	9.957E-01
Reported L70	>78,000 hours	77,955 hours	>78,000 hours

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

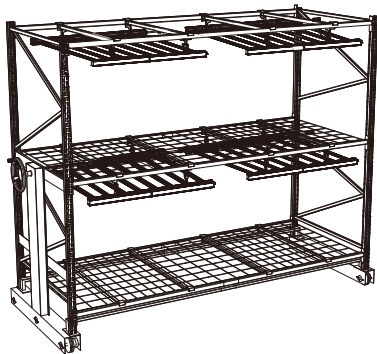
Hanging Kit



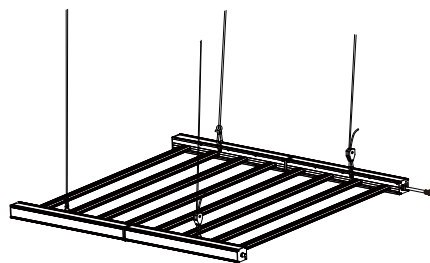
- Ratchet Rope * 4

Mounting Example

Racks mounting

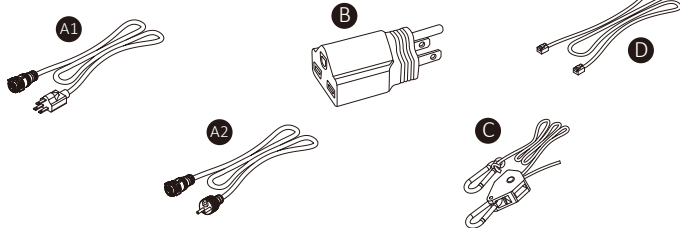


Suspend mounting



Installation

Accessories:



US Version

- A1. 0.3m power cord with 240V US plug
- B. Adapter Plug of 120V US
- C. Ratchet Rope * 4
- D. RJ14 dimming cable

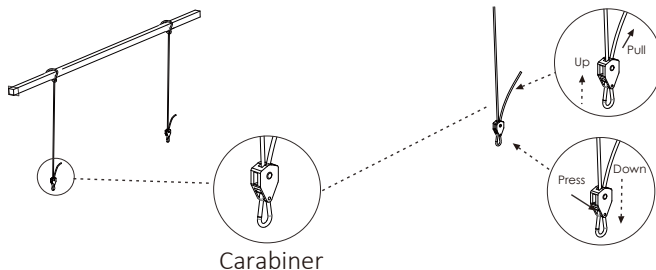
EU Version

- A2. 0.3m power cord with 230V EU plug
- C. Ratchet Rope * 4
- D. RJ14 dimming cable

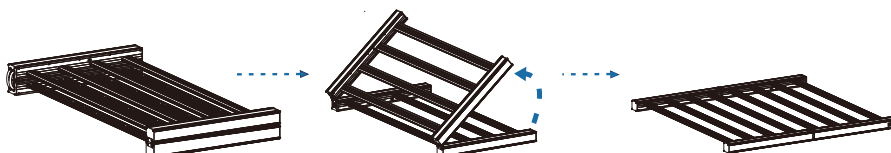
⚠ Be sure that the lighting fixture is unplugged from the power source before installation.

Step 1. Mounting the Fixtures

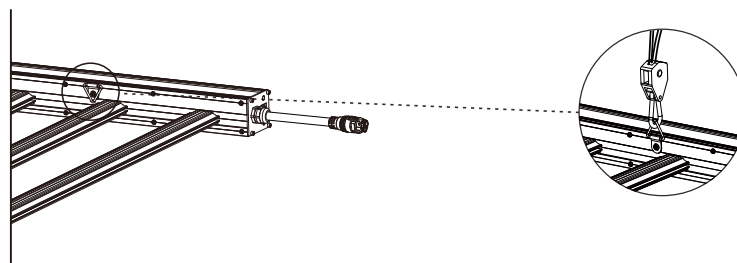
- a. Take out the lighting fixture and all necessary accessories out of box with care.
- b. Position the ratchet ropes and adjust the rope according to desired mounting height.



- c. Open the folded light.

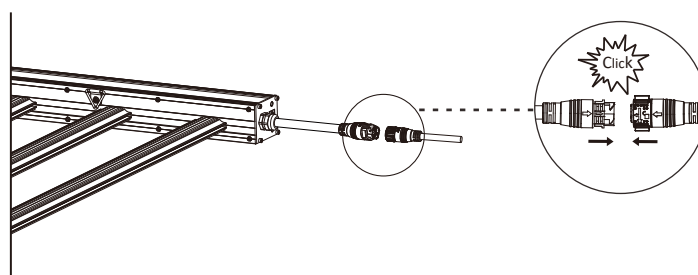


- d. Unfold the lighting fixture.
e. Lock the carabiner of the ratchet rope into the ring on the lighting fixture beam.

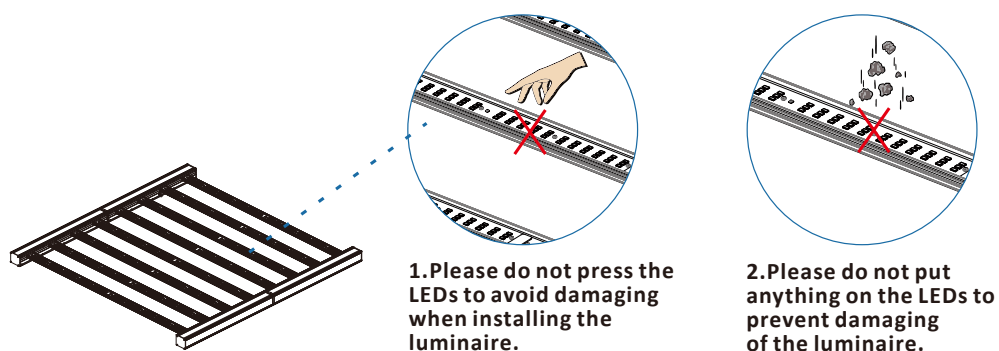


Step 2. Power Connection

Connect the power cord with plug with the lighting fixture. Pay attention to the locking arrow on the adjacent connectors until a light voice. If failed to lock and leads to poor contact, there will be a danger of electric sparks.



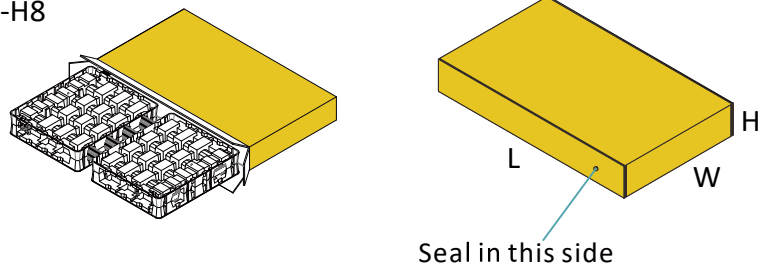
Warning



Package Dimension

Type	Carton Size	G.W per Carton	Quantity per Carton
Octopus-H8	L45.7*W26.8*H6.3inch (L1160*W680*H160mm)	36.4lbs (16.5kg)	1 PCS

Octopus-H8



Important Safety Precautions

- 1 . Risk of fire or electric shock : turn off power before installing.
- 2 . Always use product within the range of 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.
- 7 . Please refer to the instruction before installation!
- 8 . When the fixture is installed or disassembled . the fixture or the light BAR cannot be squeezed up and down and rubbed against each other.
- ⚠ 9 . Please avoid touching the leds , especially RED leds.
- 10 . When one or more bars of the fixture does not light up , please turn off the power in time.

