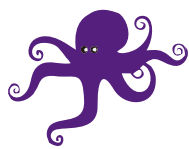




HORTIBEST[®]
LED GROW LIGHTS

www.hortibest.com



Octopus-H8 660W/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
- Plug and play design
- Slim design and 180 degree foldable
- IP65 Waterproof
- OSRAM LEDs, LM-80
- ETL, DLC, UL8800, CE certification
- Input Voltage:120-277VAC
- Dimmable: 0-10V

Specifications

| Model | Octopus-H8 | |
|---------------------------------|--------------------------------------|------------|
| Power Consumption(incl. driver) | 660W | 720W |
| AC Input Voltage | AC 120-277V , 50/60Hz | |
| Power Factor | >0.9 | |
| Spectrum | FSG | |
| Efficacy (μmol/J) | 2.6/2.8 | 2.6/2.8 |
| PPF (μmol/s) | 1716/1848 | 1872/2016 |
| Heat Output | 2244 BTU/h | 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 | 0-10 V | |
| 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 | |

Octopus-H8 660W NOMINAL ELECTRICAL AC INPUT

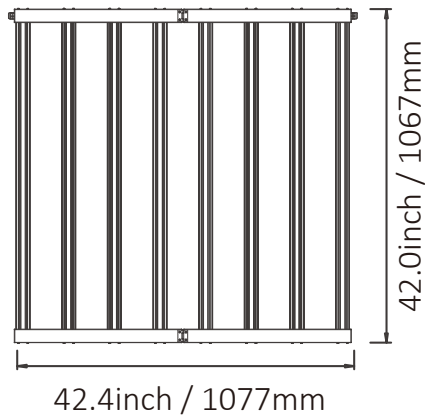
| | | | | |
|--------------|-------|-------|-------|-------|
| AC Voltage | 120V | 208V | 230V | 277V |
| AC Current | 5.76A | 3.31A | 2.99A | 2.56A |
| AC Power | 689W | 675W | 667W | 671W |
| Power Factor | 0.996 | 0.980 | 0.970 | 0.945 |

Octopus-H8 720W NOMINAL ELECTRICAL AC INPUT

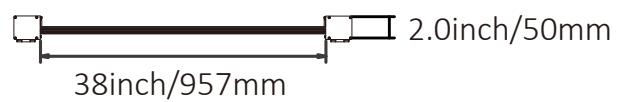
| | | | | |
|--------------|-------|-------|-------|-------|
| AC Voltage | 120V | 208V | 230V | 277V |
| AC Current | 6.19A | 3.56A | 3.21A | 2.75A |
| AC Power | 740W | 728W | 716W | 720W |
| Power Factor | 0.996 | 0.981 | 0.972 | 0.946 |

Product Dimension

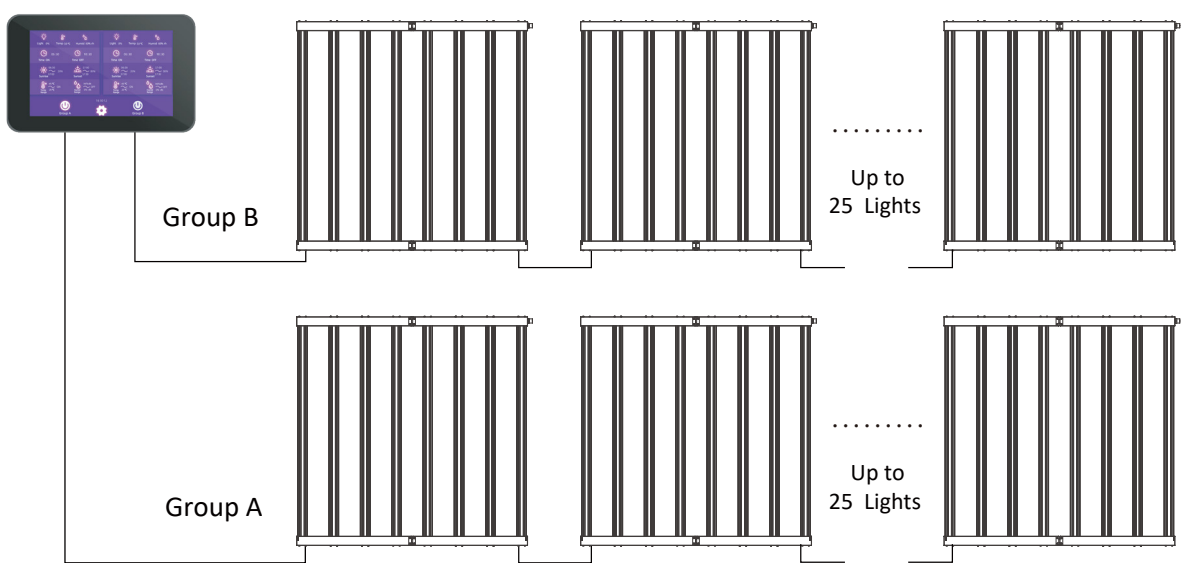
TOP VIEW



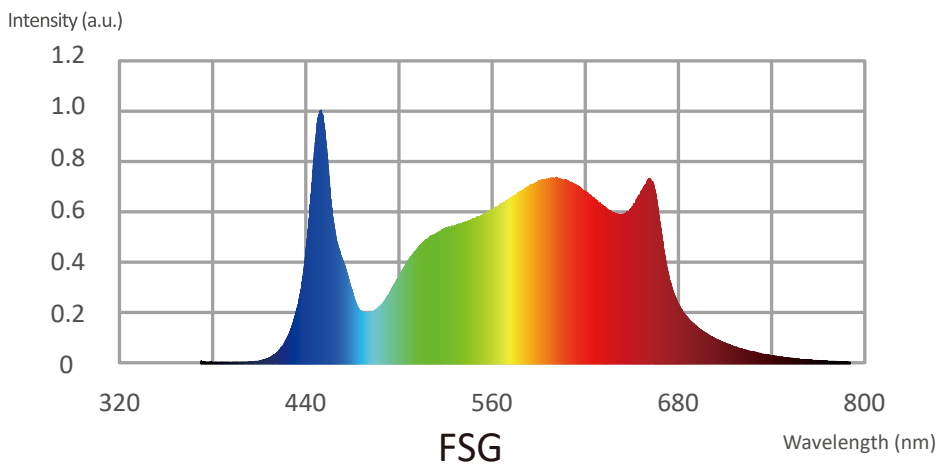
SIDE VIEW



Dimming Wiring Diagram

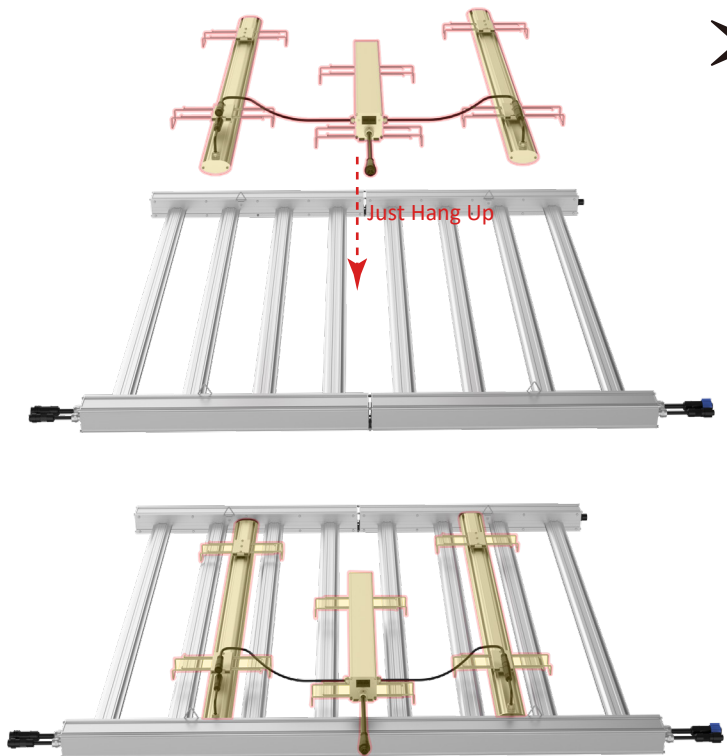


Spectra



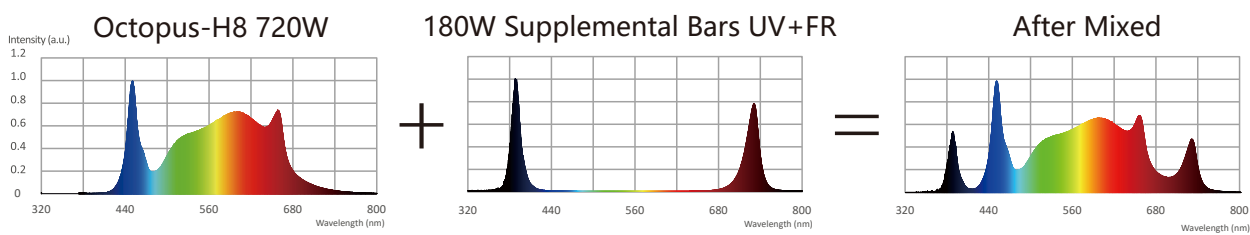
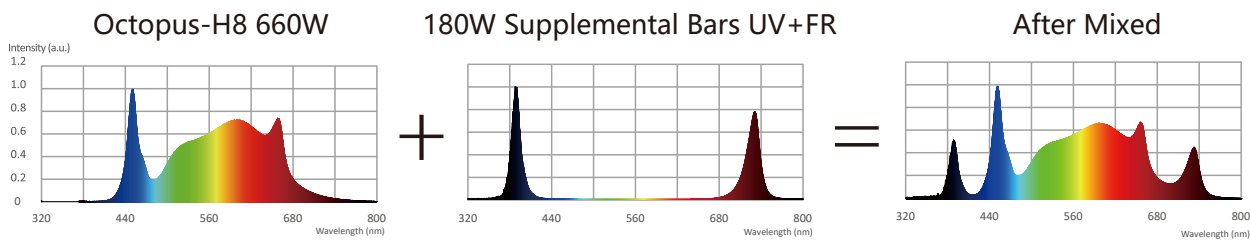
Supplemental Bars and Adjustable Spectrum

Adding supplemental bars with UVA 385nm + FR 730nm / Blue 450nm + Deep Red 660nm spectrum on a full spectrum lighting 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.



➤➤ Moray-H series
Additional purchase required

UV+FR Typical Application



PPFD

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

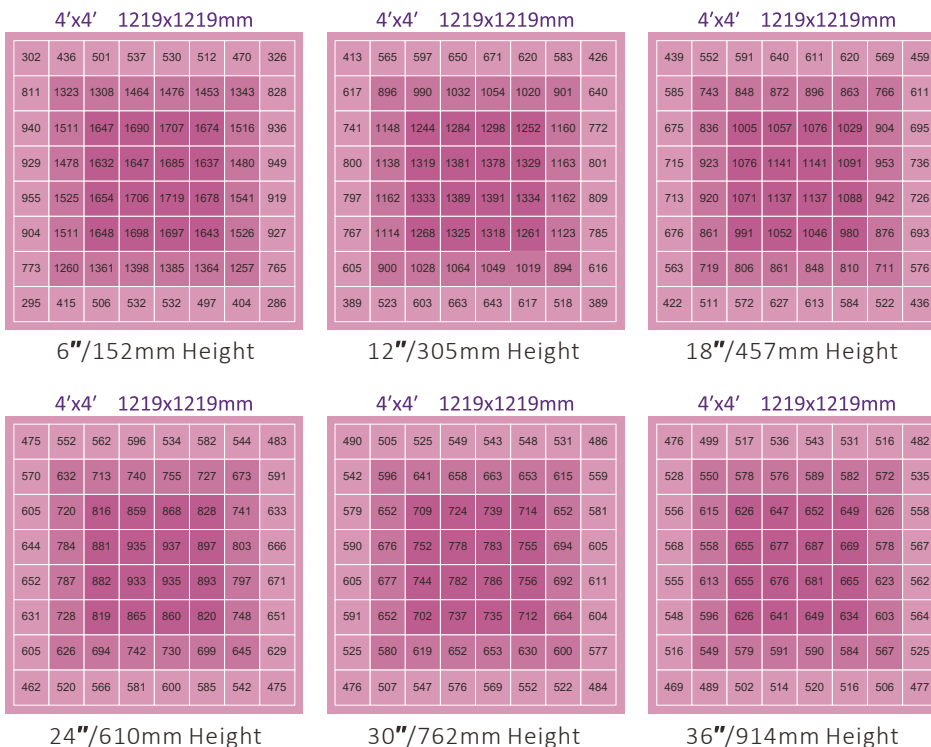
660W Octopus-H8 PPFD Distribution FSG 2.6µmol/J

| 4'x4' 1219x1219mm | | | | | | | | 4'x4' 1219x1219mm | | | | | | | | 4'x4' 1219x1219mm | | | | | | | |
|-------------------------|------|------|------|------|------|------|-----|-------------------------|-----|------|------|------|------|-----|-----|-------------------------|-----|-----|-----|-----|-----|-----|-----|
| 189 | 293 | 306 | 333 | 294 | 302 | 246 | 146 | 290 | 402 | 455 | 468 | 470 | 464 | 391 | 246 | 282 | 366 | 423 | 447 | 460 | 440 | 388 | 295 |
| 614 | 1107 | 1143 | 1226 | 1174 | 1151 | 999 | 594 | 495 | 741 | 822 | 860 | 839 | 815 | 702 | 473 | 440 | 575 | 646 | 678 | 677 | 633 | 548 | 401 |
| 684 | 1293 | 1367 | 1396 | 1387 | 1387 | 1266 | 716 | 624 | 920 | 1036 | 1083 | 1071 | 1032 | 905 | 605 | 541 | 716 | 658 | 857 | 847 | 802 | 865 | 495 |
| 692 | 1211 | 1309 | 1322 | 1332 | 1310 | 1208 | 714 | 656 | 980 | 1104 | 1138 | 1137 | 1100 | 953 | 611 | 576 | 771 | 885 | 969 | 969 | 927 | 953 | 611 |
| 735 | 1235 | 1314 | 1351 | 1349 | 1318 | 1216 | 706 | 667 | 972 | 1096 | 1133 | 1137 | 1099 | 954 | 622 | 581 | 765 | 878 | 926 | 928 | 878 | 742 | 537 |
| 758 | 1271 | 1373 | 1426 | 1404 | 1363 | 1271 | 769 | 619 | 922 | 1038 | 1083 | 1075 | 1035 | 908 | 578 | 538 | 703 | 810 | 851 | 853 | 808 | 697 | 499 |
| 638 | 1147 | 1226 | 1262 | 1249 | 1167 | 1083 | 664 | 478 | 714 | 819 | 846 | 835 | 795 | 701 | 446 | 440 | 567 | 648 | 690 | 684 | 642 | 560 | 405 |
| 175 | 283 | 303 | 321 | 308 | 325 | 296 | 173 | 270 | 380 | 439 | 451 | 451 | 421 | 378 | 251 | 296 | 384 | 445 | 461 | 470 | 447 | 380 | 284 |
| 6"/152mm Height | | | | | | | | 12"/305mm Height | | | | | | | | 18"/457mm Height | | | | | | | |
| 4'x4' 1219x1219mm | | | | | | | | 4'x4' 1219x1219mm | | | | | | | | 4'x4' 1219x1219mm | | | | | | | |
| 301 | 363 | 407 | 418 | 418 | 389 | 341 | 277 | 290 | 329 | 356 | 372 | 369 | 345 | 305 | 261 | 268 | 298 | 315 | 328 | 325 | 312 | 280 | 248 |
| 396 | 480 | 541 | 567 | 562 | 525 | 459 | 368 | 362 | 408 | 447 | 463 | 462 | 433 | 388 | 323 | 316 | 356 | 383 | 397 | 394 | 371 | 337 | 292 |
| 470 | 574 | 650 | 686 | 679 | 631 | 545 | 432 | 412 | 473 | 523 | 548 | 542 | 504 | 447 | 367 | 360 | 402 | 435 | 451 | 447 | 425 | 380 | 325 |
| 508 | 623 | 703 | 743 | 741 | 698 | 605 | 466 | 433 | 499 | 554 | 582 | 579 | 546 | 479 | 392 | 372 | 422 | 458 | 476 | 474 | 451 | 402 | 337 |
| 511 | 616 | 701 | 740 | 737 | 693 | 599 | 466 | 433 | 500 | 554 | 584 | 580 | 546 | 481 | 390 | 376 | 421 | 455 | 473 | 470 | 447 | 398 | 333 |
| 467 | 572 | 640 | 680 | 676 | 641 | 551 | 433 | 405 | 468 | 518 | 547 | 541 | 505 | 447 | 363 | 357 | 397 | 429 | 446 | 445 | 422 | 377 | 321 |
| 398 | 478 | 541 | 569 | 561 | 534 | 462 | 356 | 355 | 410 | 453 | 469 | 461 | 435 | 392 | 322 | 317 | 352 | 386 | 397 | 397 | 473 | 338 | 284 |
| 308 | 362 | 404 | 424 | 422 | 394 | 348 | 276 | 286 | 328 | 358 | 372 | 371 | 352 | 315 | 261 | 267 | 302 | 322 | 329 | 328 | 312 | 284 | 246 |
| 24"/610mm Height | | | | | | | | 30"/762mm Height | | | | | | | | 36"/914mm Height | | | | | | | |

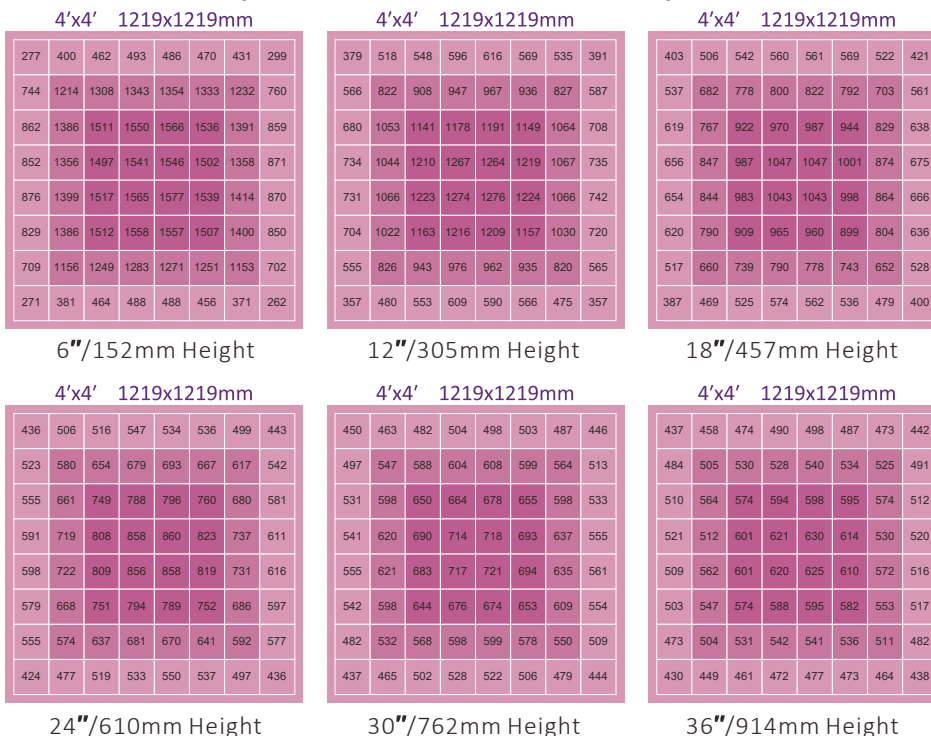
PPFD

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 ¹/₂FSG 2.8μmol/J



720W Octopus-H8 PPFD Distribution ¹/₂FSG 2.6μmol/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!

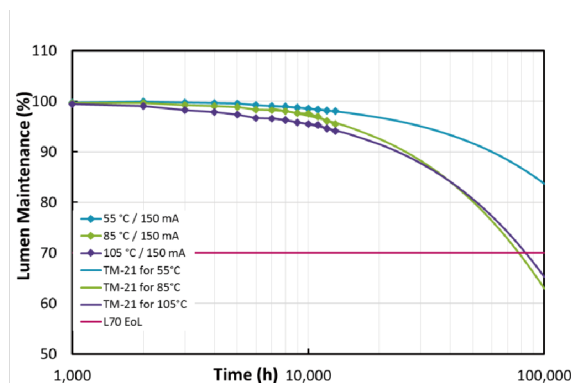
1. General Information

| | |
|--|-----------------------------|
| 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

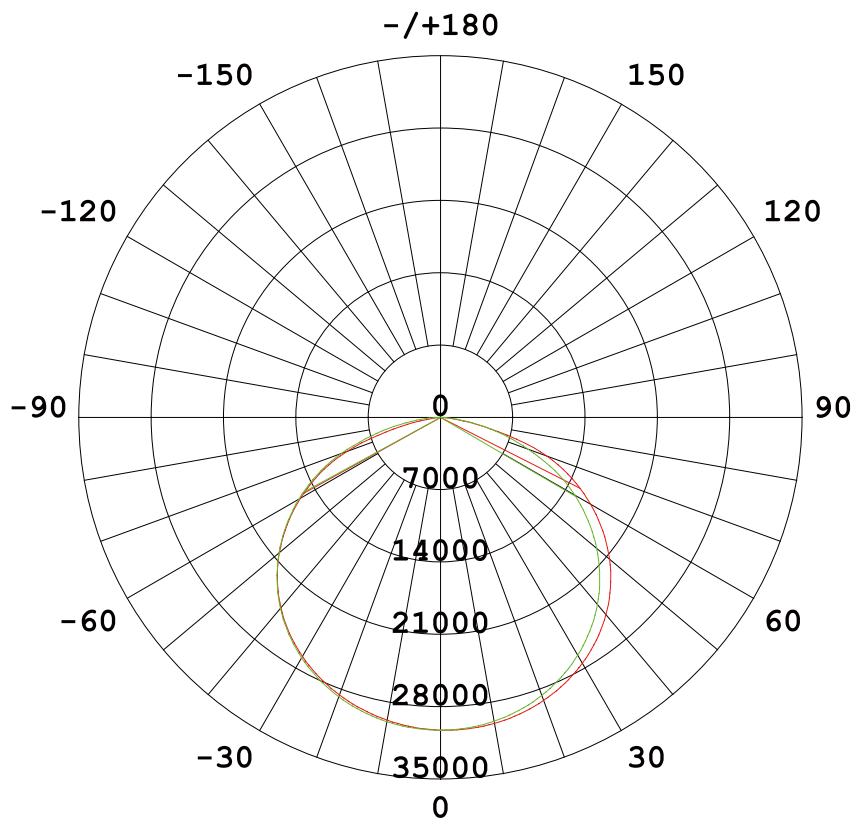
| | I | II | III |
|---------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| Case temperature (solder point) | $T_s = 55\text{ }^\circ\text{C}$ | $T_s = 85\text{ }^\circ\text{C}$ | $T_s = 105\text{ }^\circ\text{C}$ |
| 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

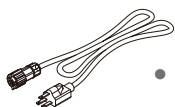
— C90/270, 121.1

Beam Angle(50%Imax):C0/180left:62.0 Right:62.0
:C90/270left:60.5 Right:60.5

[C0/180]Total=124.0
[C90/270]Total=121.1

Accessories

Plug Option for the US and Canada



- NEMA 6-15P
240V / 60Hz

Hanging Kit



- Ratchet Rope *4

Adaptor



- 240VAC to 120VAC

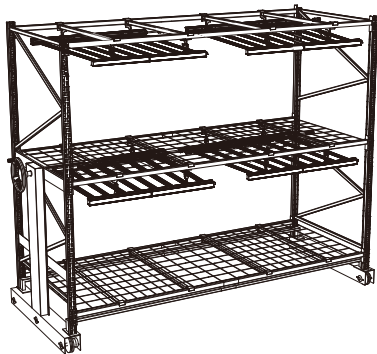
Dimming



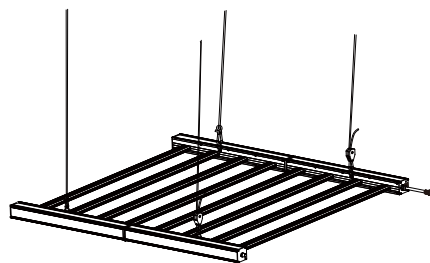
- RJ14 Dimming Cable *1

Mounting Example

Racks mounting

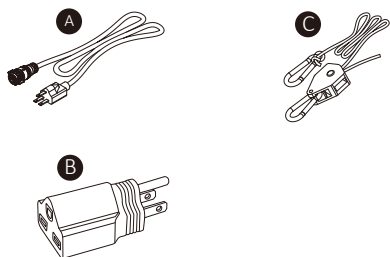


Suspend mounting



Installation

Accessories:



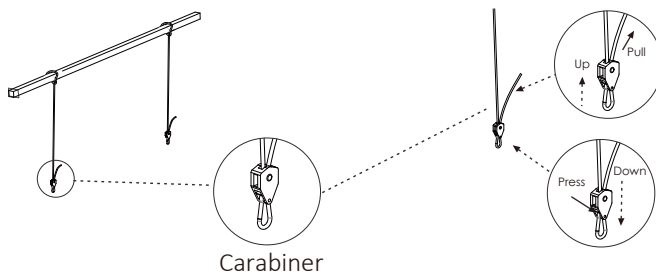
US Version

- A. 0.3m power cord with 240V US plug
- B. Adapter Plug of 120V US
- C. Ratchet Rope * 2

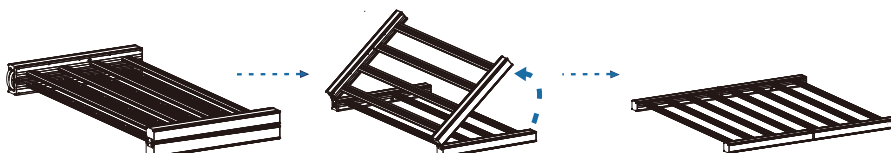
⚠ Be sure that the lighting fixture is unplugged from the power source before installation.

Step 1. Mounting the Fixtures

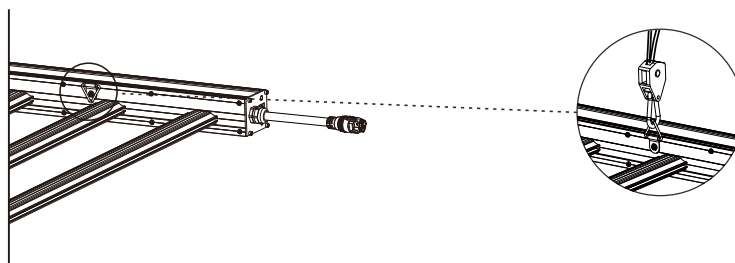
- a. Take out the lighting fixture and all necessary accessories out of box with care.
- b. Position the ratchet ropes and adjust the rope according to desired mounting height.



- c. Open the folded light.

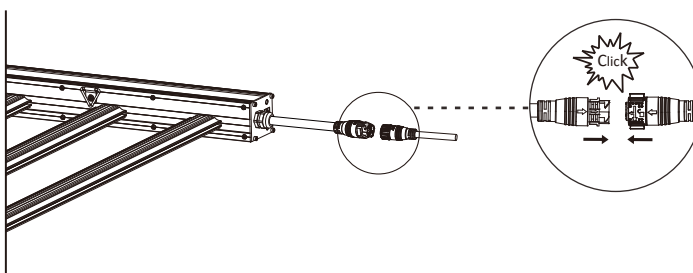


- d. Unfold the lighting fixture.
- e. Lock the carabiner of the ratchet rope into the ring on the lighting fixture beam.

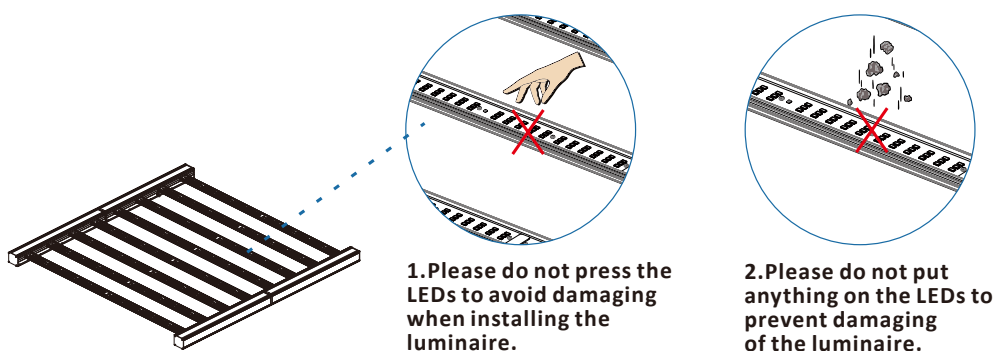


Step 2. Power Connection

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.



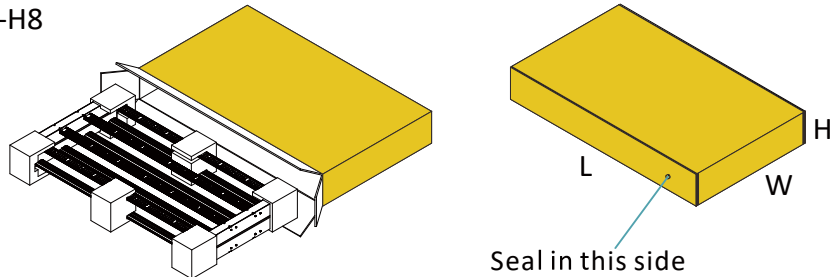
Warning



Package Dimension

| Type | Carton Size | G.W per Carton | Quantity per Carton |
|-------------------------|---|---------------------|---------------------|
| Octopus-H8 660W/720W | 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.

