# TARANTULA  VOLCANO EVO RED



ETL c us LISTED
Intertek
5022589

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IP 66

Grand Master Leds

www.grandmasterleds.com

# TARANTULA VOLCANO EVO RED

## TARANTULA VOLCANO EVO RED

- Metal Housing for Superior Heat Dissipation and Extended Lifespan
- Adjustable Spectrums with 3 Independent Channels
- Plug-and-Play Connectors for Effortless Wiring
- 0-10V and PWM Dimming for Enhanced Control
- IP66-Rated Waterproof Protection
- 5-Year Warranty
- Input Voltage: 120-277Vac

## Specifications

| Model Name | Tarantula Volcano Evo Red | | |
|---|---|---|---|
| Input Voltage | 120 Vac | 240 Vac | 277 Vac |
| Max. Input Current | 2.23 Amps | 1.16 Amps | 1.04 Amps |
| Power Factor | 0.99 | 0.95 | 0.92 |
| Typical Wattage +/- 5% | 260W | 255W | 255W |
| Daisy-Chaining (Through Wiring) | Max. 6 units | Max. 12 units | Max. 14 units |

| | | | |
|---|---|---|---|
| LED Brand | LEDESTAR | Surge Protection | 4KV |
| Manual Dimming | Not Available | LED Configuration | 6500K+660nm & 18000K & 730nm |
| 0-10V / PWM Dimming | RJ Cable 10%~100% DIM-TO -OFF | LED life time | >100,000 hours |
| Dimming Cable Length | 50ft | Max. Ambient Temp. | 104 °F (40 °C ) |
| IP Rate | IP 66 | Plug Type & Power Cable (Sold Separately) | NEMA 5-15P & 10ft AWG#14 NEMA 6-15P & 10ft AWG#14 |
| Warranty | 5 Year | | |

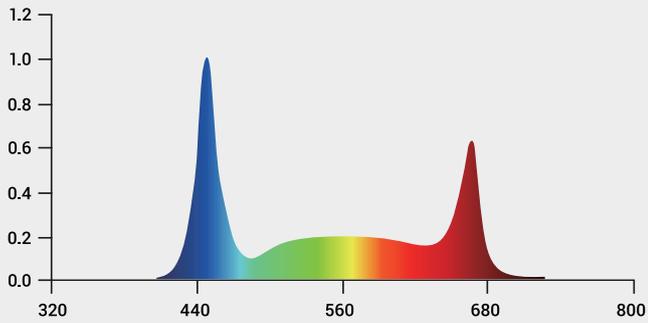# Adjustable Spectrums (SPD)

#1
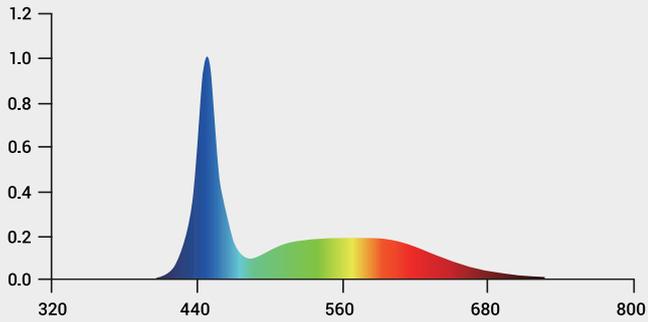
120W  0WW/100CW/0Fr  41.6%B/36.3%G/20.6%R/1.5%Fr
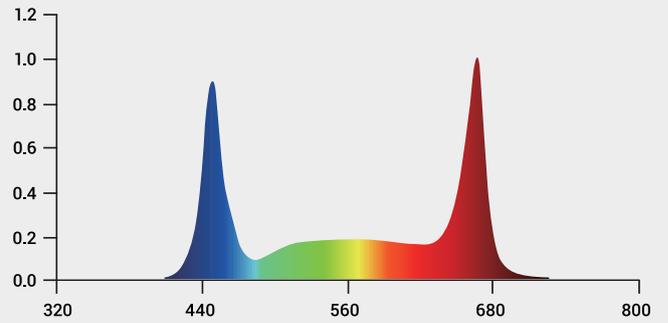
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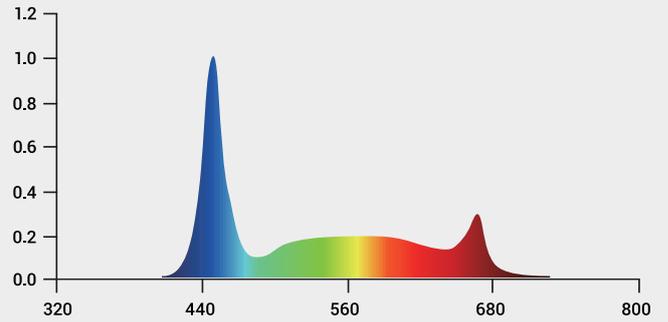
136W  13WW/100CW/0Fr  37%B/32.7%G/29%R/1.4%Fr
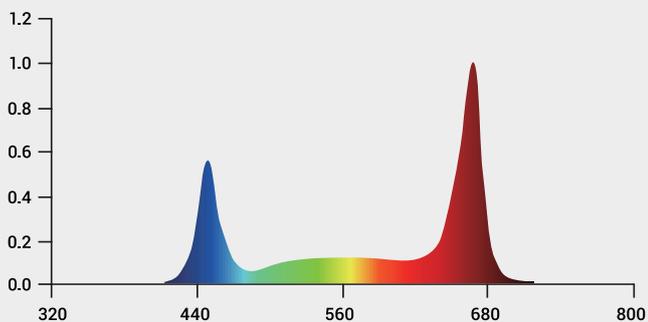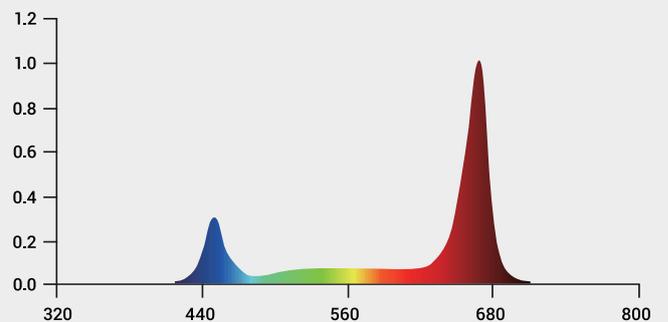
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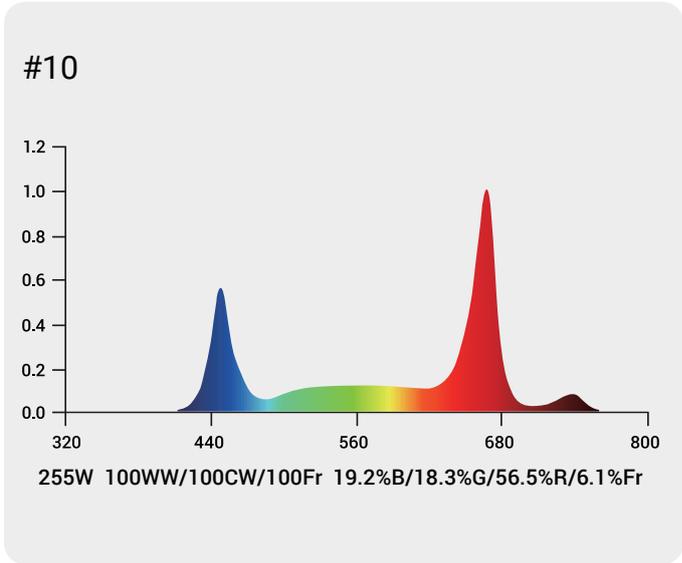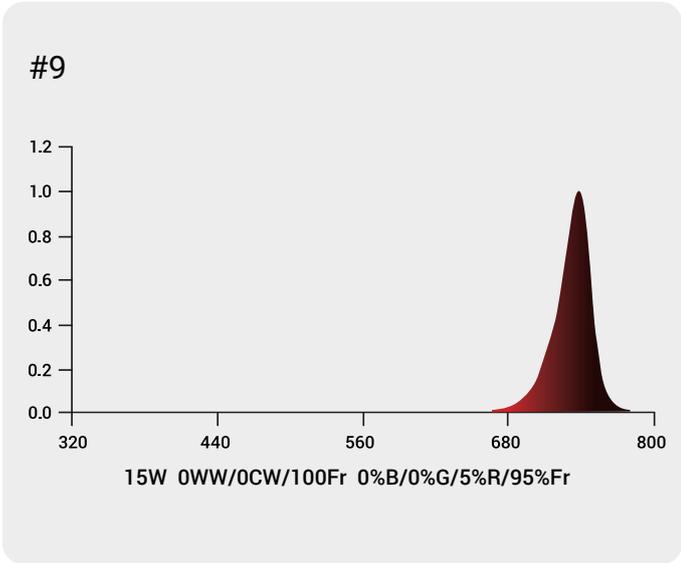156W  30WW/100CW/0Fr  31.8%B/28.5%G/38.4%R/1.3%Fr

#4

190W  58WW/100CW/0Fr  25.9%B/23.8%G/49.2%R/1.1%Fr

#5

240W  100WW/100CW/0Fr  20.3%B/19.3%G/59.4%R/1%Fr

#6

180W  100WW/50CW/0Fr  14%B/14.4%G/70.7%R/0.9%Fr

**#7**

144W  100WW/20CW/0Fr  8.3%B/9.9%G/81%R/0.8%Fr



**#8**

120W  100WW/0CW/0Fr  3.8%B/6.2%G/89.3%R/0.7%Fr



**#9**

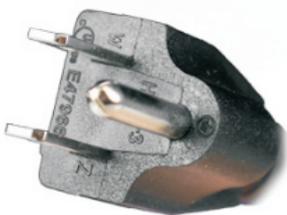15W  0WW/0CW/100Fr  0%B/0%G/5%R/95%Fr



**#10**

255W  100WW/100CW/100Fr  19.2%B/18.3%G/56.5%R/6.1%Fr
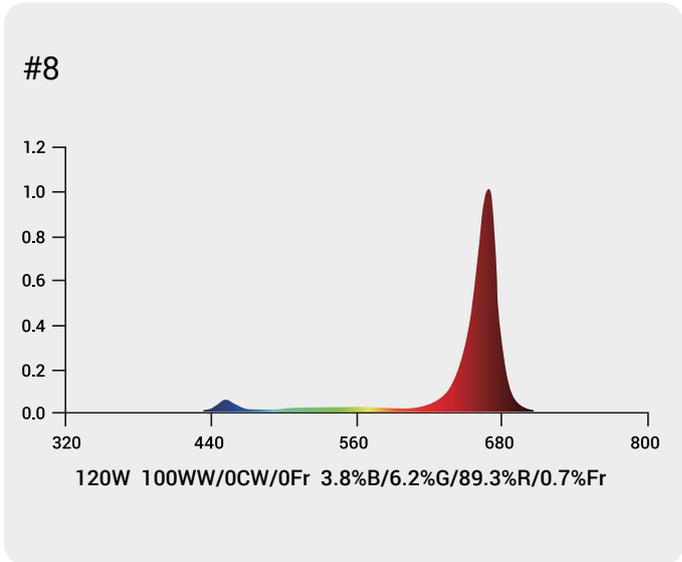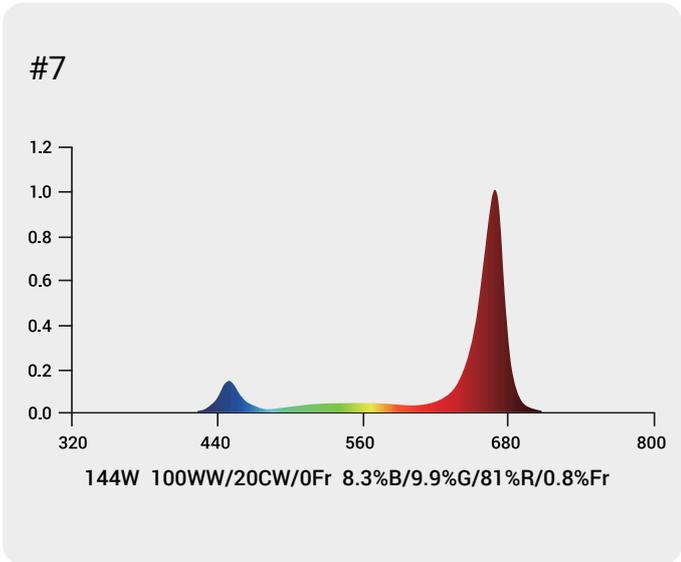
## Plug Options



USA  120Vac (NEMA 5-15P)
Optional



USA  240Vac (NEMA 6-15P)
Optional



USA  277Vac (NEMA 7-15P)
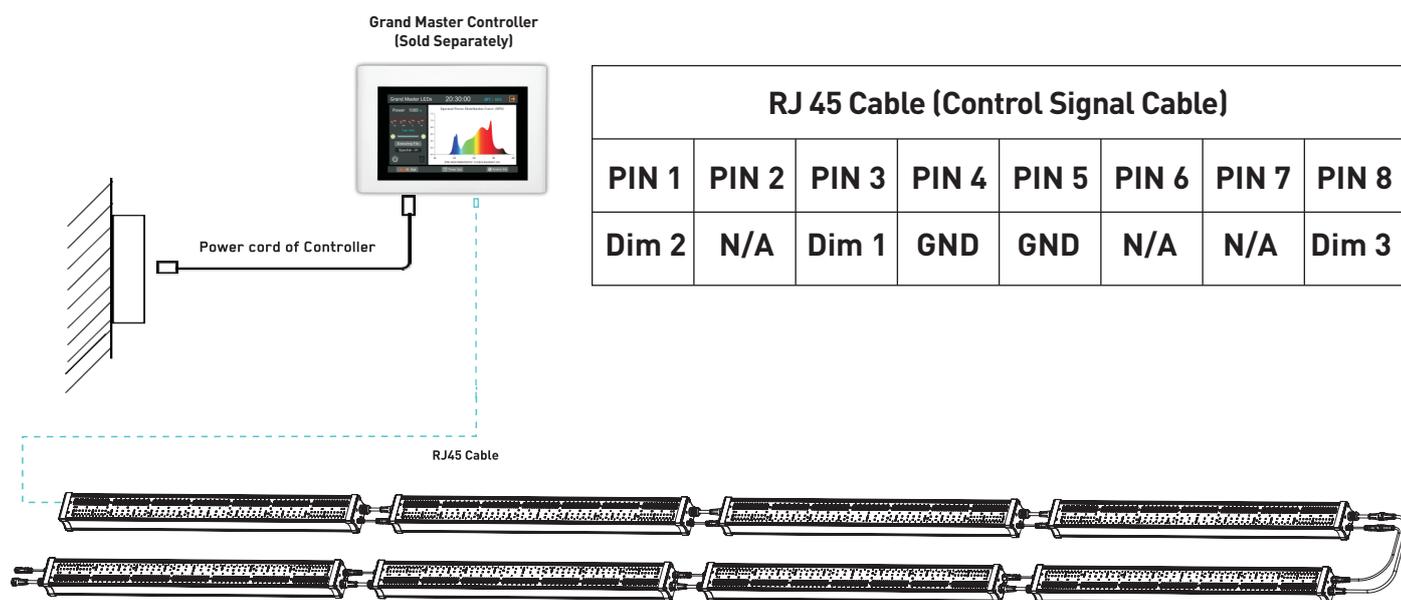Upon Request

## Dimensions & Weight

130.0/5.12"

1078.0/42.44"

1093.0/43.03"

106.4/4.19"

76.8/3.02"
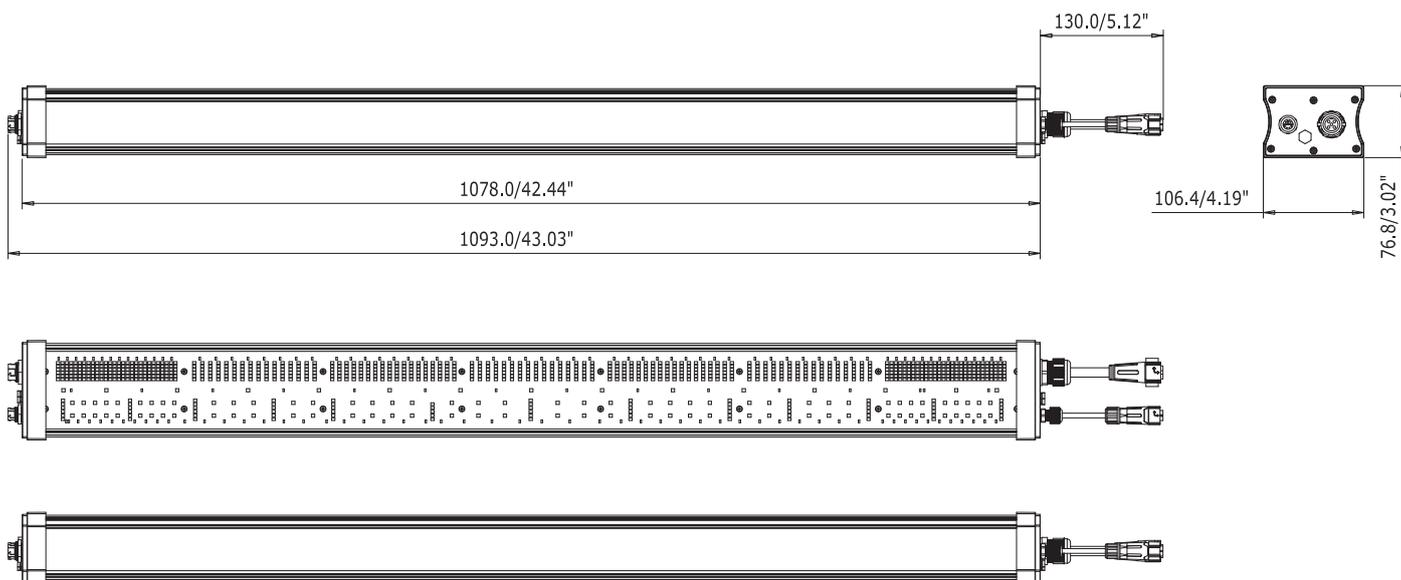
Fixture Dimensions:
1078mm X 106.4mm X 76.8mm
(42.44" X 4.19" X 3.02")

Fixture Net Weight:
5.53 kg ( 12.19 lbs)

## Packaging

|  | Single Packaging | Commercial Packaging | Retail Packaging |
|---|---|---|---|
| Carton Size | 123x17x19cm (48.4"x6.7"x7.5") | 123x30x19cm (48.4"x11.8"x7.5") | 123x40x19cm (48.4"x15.8"x7.5") |
| Weight | 6.32kg ( 13.9 lbs) | 12.64kg ( 27.81 lbs) | 15.48 kg ( 34.06 lbs) |
| Qty./ Ctn. | 1 Light | 2 Lights | 2 Lights |

## RJ Cable Dimming 10%~100% DIM-TO-OFF

Grand Master Controller
(Sold Separately)

Power cord of Controller

RJ45 Cable

| RJ 45 Cable (Control Signal Cable) | | | | | | | |
|---|---|---|---|---|---|---|---|
| PIN 1 | PIN 2 | PIN 3 | PIN 4 | PIN 5 | PIN 6 | PIN 7 | PIN 8 |
| Dim 2 | N/A | Dim 1 | GND | GND | N/A | N/A | Dim 3 |

# Safety Warnings and Recommendations

Make sure to mount the system on a surface or structure that can **support the weight** of the LED fixture. If you choose the "Side Mount - Floating" installation, ensure that your **posts are sturdy**. It is highly recommended to **secure the two adjacent posts together at the top** for added stability.

**Caution!** Carefully **read the warnings** below before using or working with the product! Ensure strict compliance with local laws and regulations when installing or operating the LED fixture.

For **safety**, ensure the socket or outlet used for the fixture's plug is properly **grounded** and fitted with a **residual current device (RCD)**.

The glass lens over the led diodes are **fragile**, please **handle** the product **with care**!

**Do not open** or disassemble the LED fixture, it contains no serviceable parts inside. Opening or modifying the LED fixture can be dangerous and will void the warranty.

**Wearing protective gloves** and glasses is recommended during installation.

Always **disconnect** the LED fixture **from mains** before performing any maintenance.

The LED fixture will get hot during operation. **Do not touch** when the light is on. Keep the LED fixture away from children. Always allow for a cool down period of at least 30 min. before touching the light bar. Touching the light bar when the fixture is lit or immediately afterwards can result in severe burns!

Do not use the LED fixture near flammable, explosive or reactive substances. **Do not use sulfur** vaporizers or water misters.

Do not expose the LED fixture to:
(ambient) temperatures outside the specified range;
dust and contamination;
direct sunlight during use or HID light that could heat up the ballast.

Do not plug the LED fixture into a supply voltage other than what is instructed on the fixture.

Do not use the LED fixture when either the LED fixture has been dropped or is damaged or its power cord is damaged. Replace the power cord only with original certified cords. Keep the power cord away from hot surfaces. Modifications to the cords can lead to unwanted electromagnetic effects, which makes the product not comply with legal requirements.
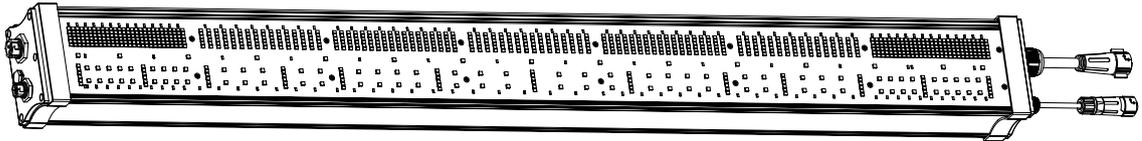
The installation and use of the LED fixture are the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the LED fixture. Damage to the LED fixture and electronic circuitry because of incorrect installation and use will void the warranty.
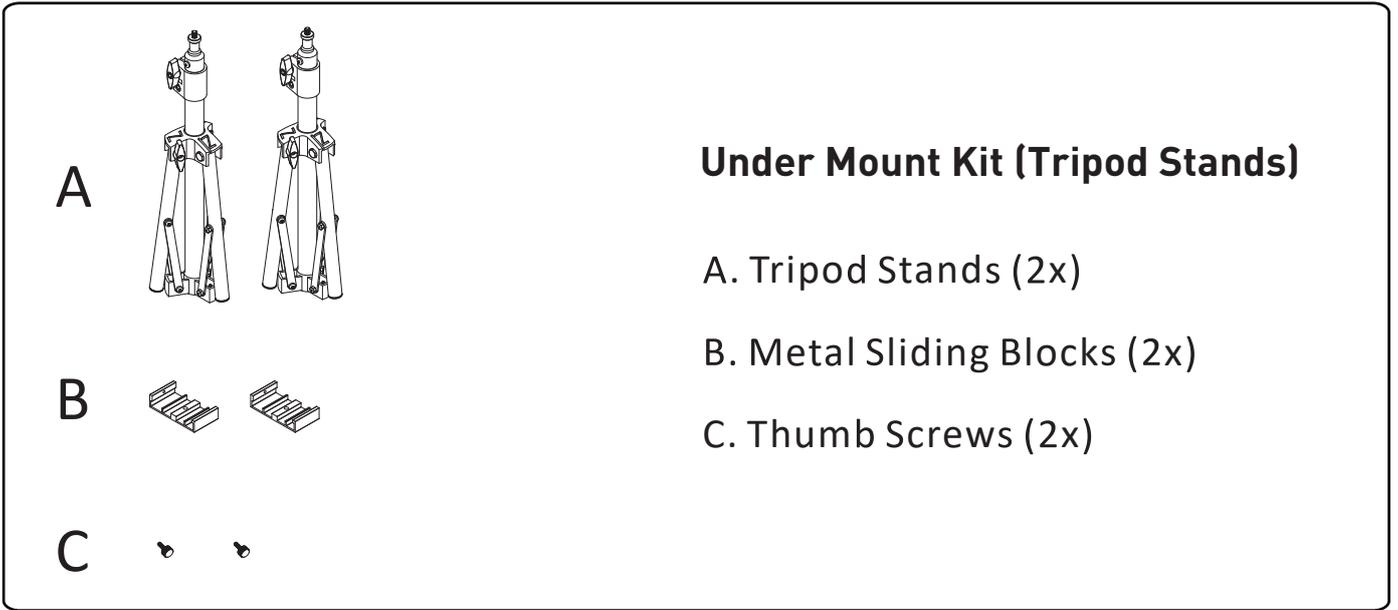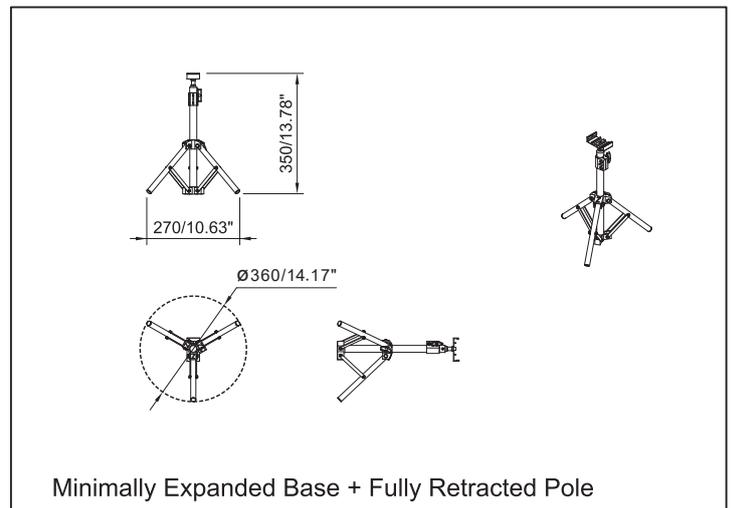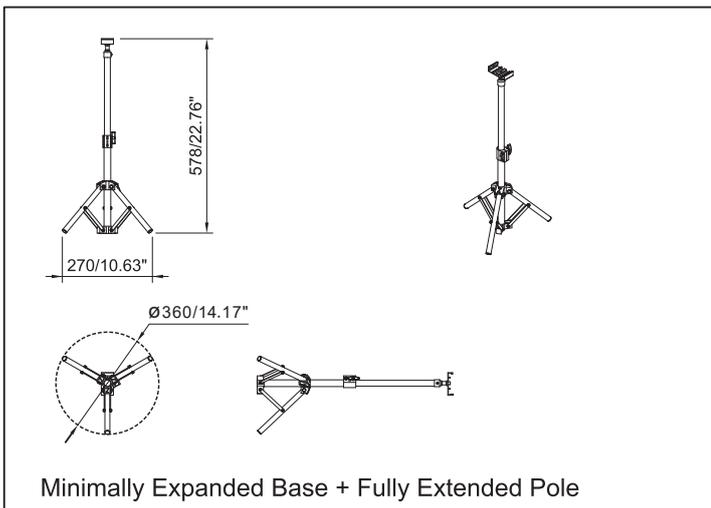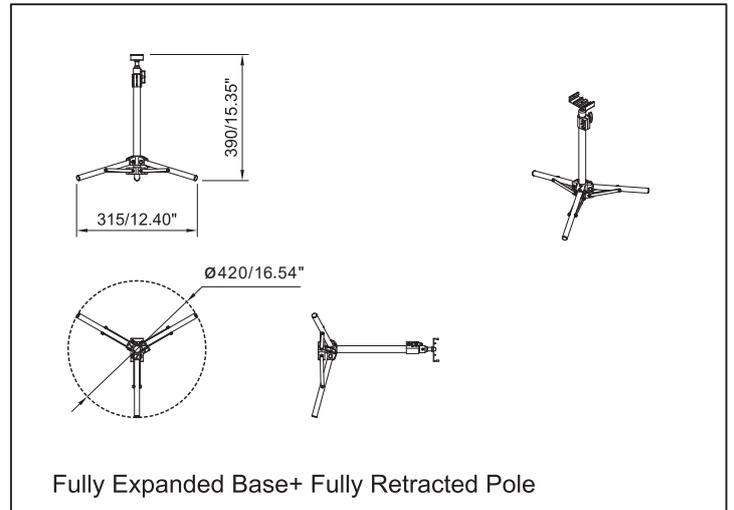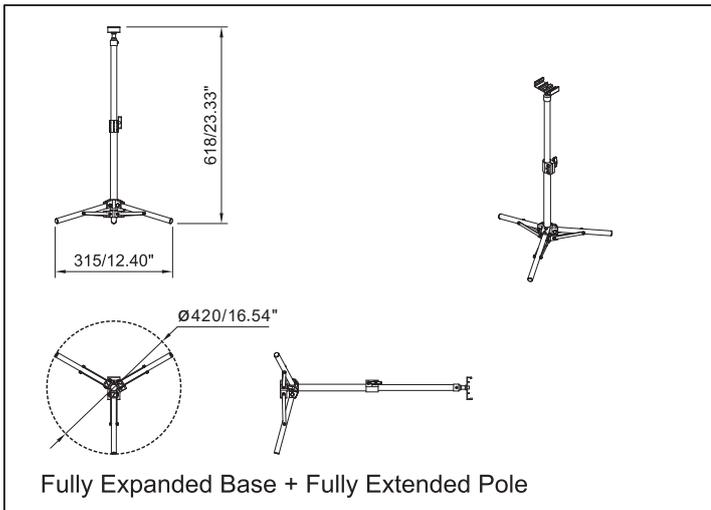
## Contents of Retail Packaging-Part I
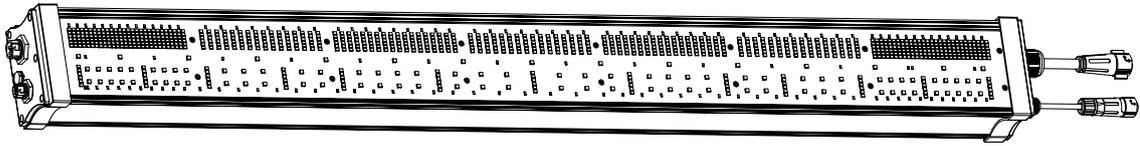
A

B

C

D

E

A. x2 Light Bars;

B. x1 Power Cable with NEMA 5-15P Plug;

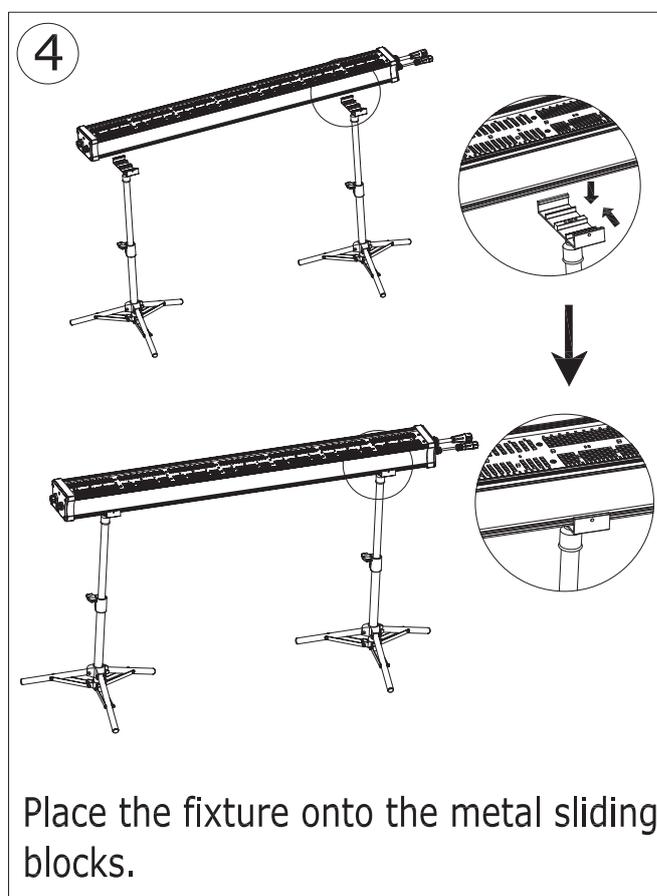C. x1 4ft Inter-Connecting Cord (Data);

D. x1 4ft Inter-Connecting Cord (Power);
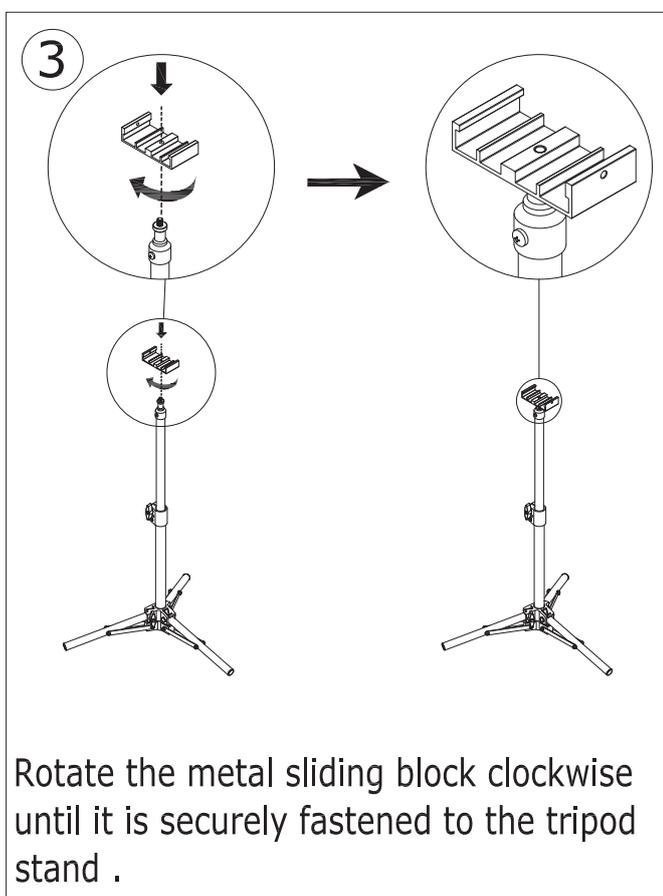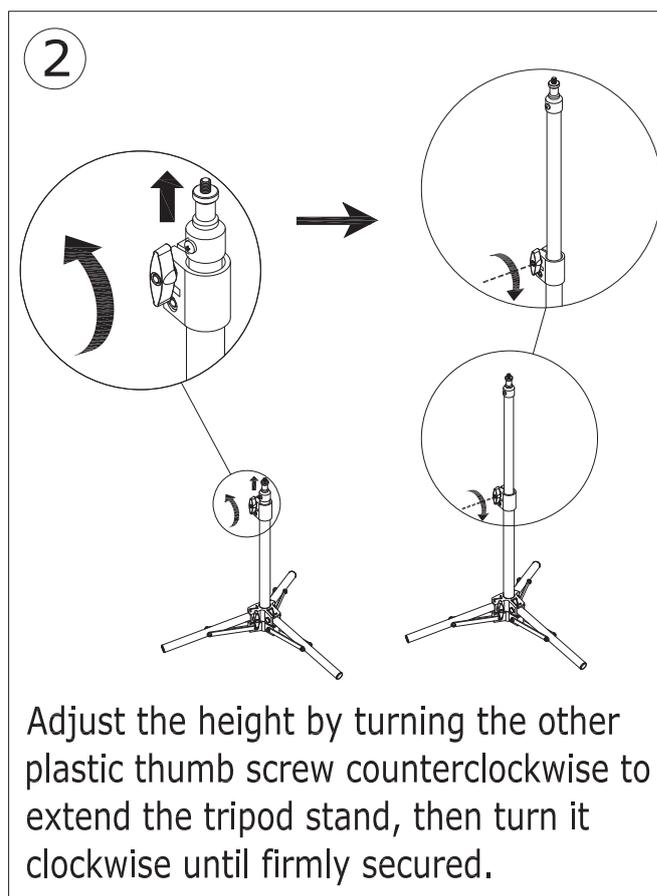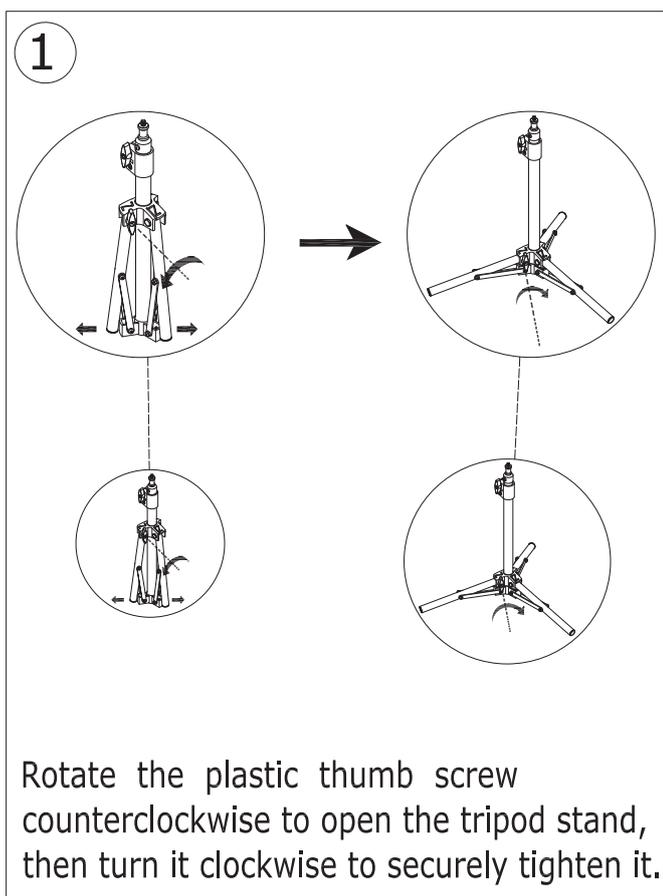
E. x1 20ft RJ45 to Push-Lock-Connector.

# Contents of Retail Packaging-Part II

A

B

C

## Under Mount Kit (Tripod Stands)

A. Tripod Stands (2x)

B. Metal Sliding Blocks (2x)

C. Thumb Screws (2x)

## Dimensions of Under Mount Kit (Tripod Stands)

618/23.33"

315/12.40"

Ø420/16.54"

Fully Expanded Base + Fully Extended Pole

390/15.35"

315/12.40"

Ø420/16.54"

Fully Expanded Base+ Fully Retracted Pole

578/22.76"

270/10.63"

Ø360/14.17"

Minimally Expanded Base + Fully Extended Pole

350/13.78"

270/10.63"

Ø360/14.17"

Minimally Expanded Base + Fully Retracted Pole

**1**

Rotate the plastic thumb screw counterclockwise to open the tripod stand, then turn it clockwise to securely tighten it.

**2**

Adjust the height by turning the other plastic thumb screw counterclockwise to extend the tripod stand, then turn it clockwise until firmly secured.

**3**

Rotate the metal sliding block clockwise until it is securely fastened to the tripod stand .

**4**

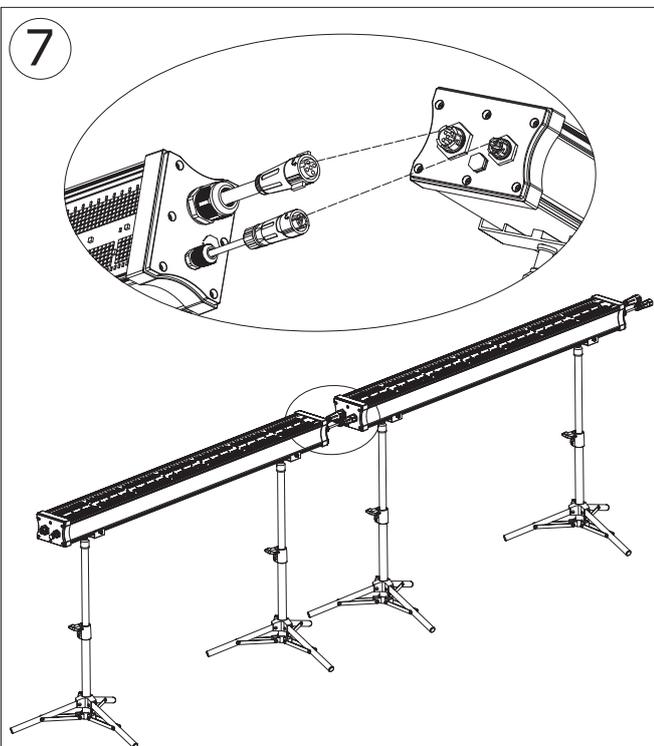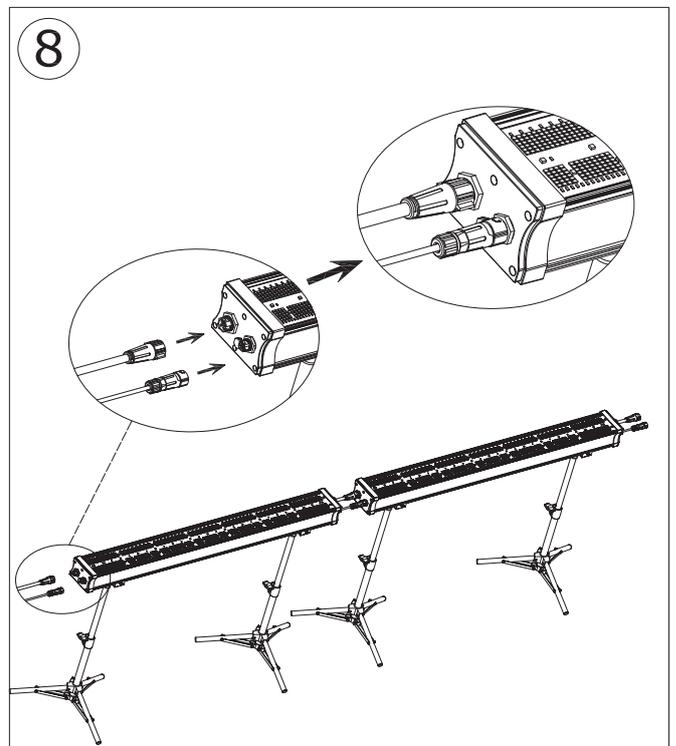Place the fixture onto the metal sliding blocks.

**5**

Insert the metal thumb screws into the metal sliding blocks and tighten them securely.
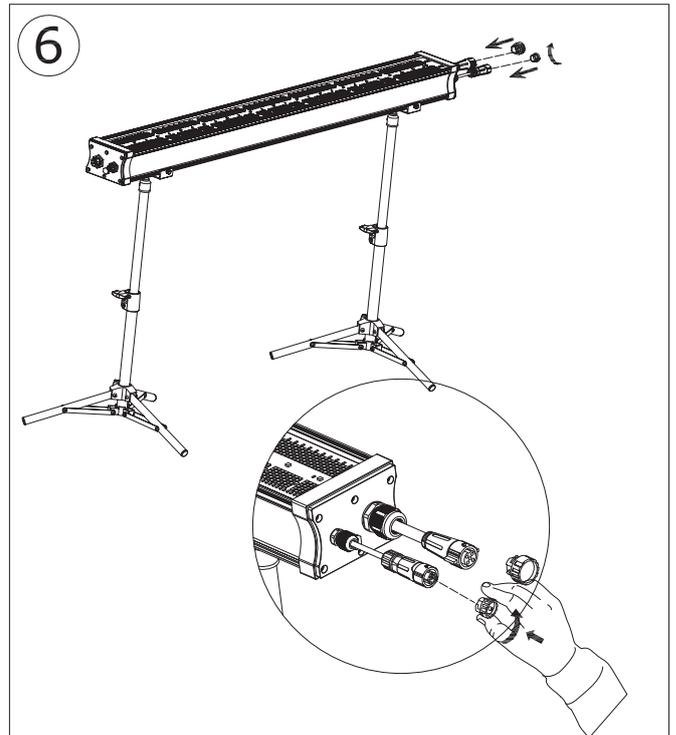


**6**

Unscrew the end cap by turning it counterclockwise and pull it out from the connector.



**7**

Connect two fixtures together by aligning and linking them.



**8**

Insert the female connector of the input power cable into the male connector of the first fixture.