

Floodlight



ALTLED®

Lodestar

Specification Sheet

Product Introduction

Used in the past as a guide to navigators, LODESTAR is a bright, easily found star. As outdoor lighting series have to be, ALT's LODESTAR street light and flood light are beautiful, cost-saving, and with an incredible long life-span. ALT's Lodestar floodlight series is in fact one of the brightest LED in the world, going up to an astonishing lumens of 66500. Integrated with a patented aerospace structural design, and providing consistent light intensity and high performance even in extreme climates, ALT's Lodestar floodlight is ideal for large outdoor areas including external wall, gardens, harbours and sport fields. Furthermore, ALT is proud to announce that it has launched a revolutionary product called LED Grow Light. Also under the Lodestar floodlight series, our Grow Light changes the way we grow plants indoor. By providing much less heat, Lodestar Grow Light consumes less power by delivering the perfect effects that included Red, Green and Blue. This will consequentlv provide a much more efficient and fast growing.

Certificates



Features

- ✓ IP68 waterproof standard.
- ✓ Integration of a patented aerospace structural design ensures optimal cooling.
- ✓ Original high-power LED chips.
- ✓ CRI 80 high-brightness.
- ✓ PFC values up to 0.99 offering a stable voltage output.

Application

- ✓ Tunnel Lighting.
- ✓ Parking Applications.
- ✓ Canopy Lighting
- ✓ Wash Lighting.



Specifications

| Item | Specification | Details |
|---|------------------------------|---|
| Output | Beam Angle | 15° / 20° / 25° / 30° / 45° / 60° / 90° / 130° / 135° / 120°x 50° / 135°x 50° |
| | Colour Range | TW / NW / WW |
| | Lumen Maintenance | 50,000 hours (L70 / B50) |
| Electrical | Input Voltage (Lamp) | 60V DC |
| | Power Consumption | 485 Watts (External driver) |
| | Input Voltage (Power supply) | 100-277V AC |
| | Weight | 11.3kg (Lamp) 6.7kg (Power) |
| Physical | Lens | Optics PMMA |
| | Operating Temperature | -4° F to 121° F (-20°C to 50°C) |
| | Humidity | 0 – 95%, non-condensing |
| Certification and Safety | Certifications | CE, RoHs, Laser |
| | Environment | Suitable for damp location |
| | Warranty | 3 years |
| Two Million Worldwide Product Liability Insurance. | | |

Optical Characteristics

Dominant Wavelength (nm) or Colour Temperature (K)

CREE LED chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|-------------------------------|-------|-------|--------|
| True White | 5000K | 6000K | 10000K |
| Natural White | 3700K | 4300K | 5000K |
| Warm White | 2600K | 3000K | 3700K |

OSRAM LED Chips

| Correlated Colour Temperature | Min. | Typ. | Max. |
|-------------------------------|-------|-------|-------|
| True White | 5000K | 6000K | 7000K |
| Natural White | 3500K | 4000K | 5000K |
| Warm White | 2700K | 3000K | 3500K |

Chipset Luminous Flux

100 ~ 277V AC

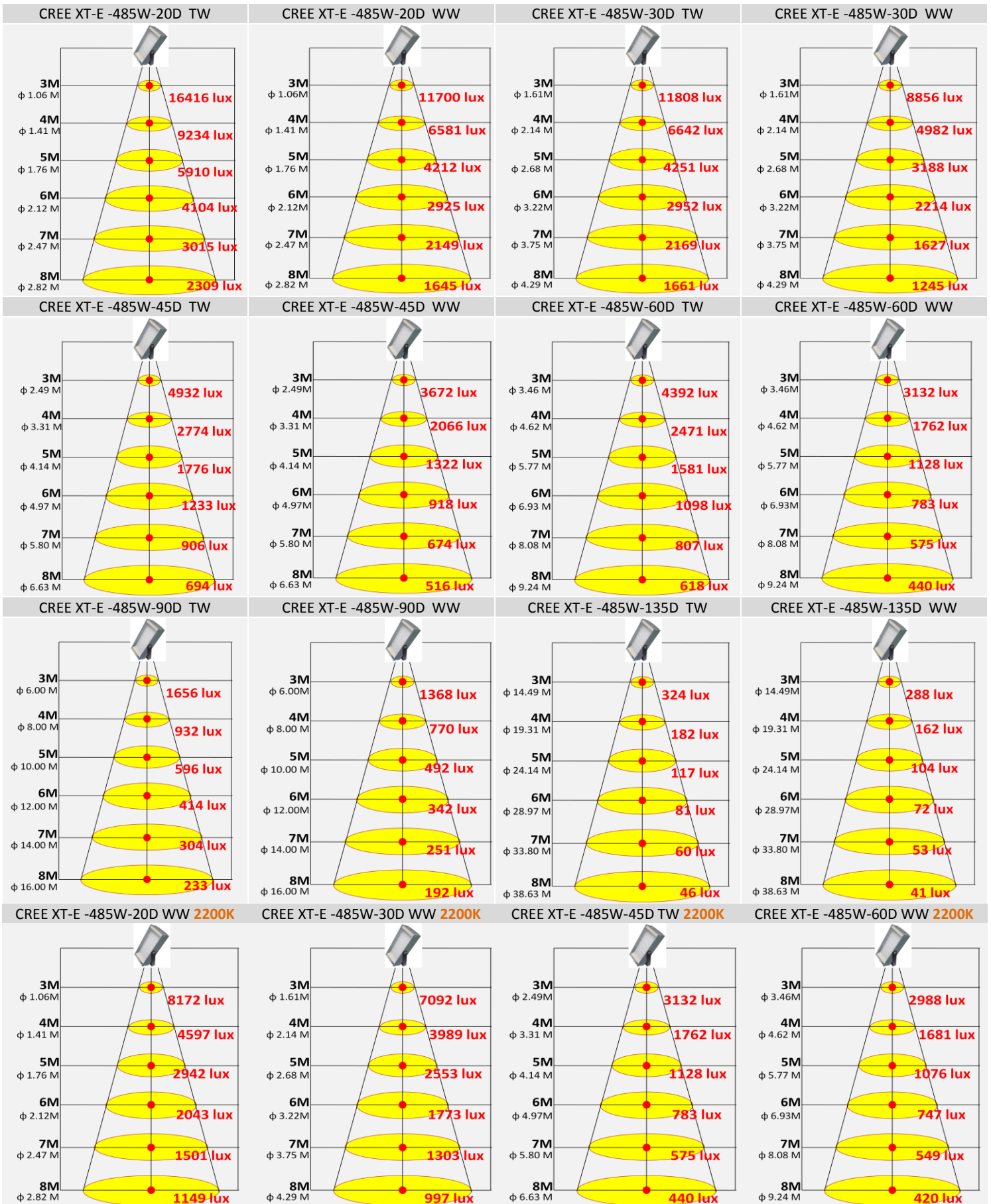
| Chipsets | CREE XT-E | |
|-------------------|--|----------|
| Power Consumption | 485 W | |
| Beam Angle | 20° / 25° / 30° / 45° / 60° / 90° / 130° / 120°x50° / 135°x50° | |
| True White | CRI 70 | 58000 lm |
| Natural White | CRI 80 | 50500 lm |
| Warm White | CRI 80 | 41500 lm |
| | CRI 90 | 33200 lm |

| Chipsets | OSRAM Square | |
|-------------------|---|----------|
| Power Consumption | 485 W | |
| Beam Angle | 15° / 20° / 25° / 45° / 60° / 90° / 130° / 135° / 120° x 50° / 135°x50° | |
| True White | CRI 70 | 63000 lm |
| Natural White | CRI 70 | 60000 lm |
| Warm White | CRI 80 | 50000 lm |
| | CRI 92 | 40000 lm |

| Chipsets | CREE XP-L | |
|-------------------|------------------------------------|----------|
| Power Consumption | 485 W | |
| Beam Angle | 30° / 130° / 120°x 50° / 135°x 50° | |
| True White | CRI 65 | 66500 lm |
| Natural White | CRI 75 | 61000 lm |
| Warm White | CRI 80 | 55000 lm |

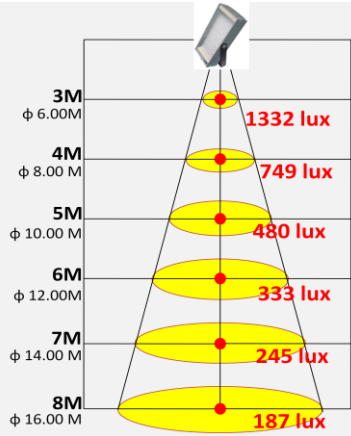
※All Chipset Luminous Flux Data are indicated in max values.

Illuminance at Distance

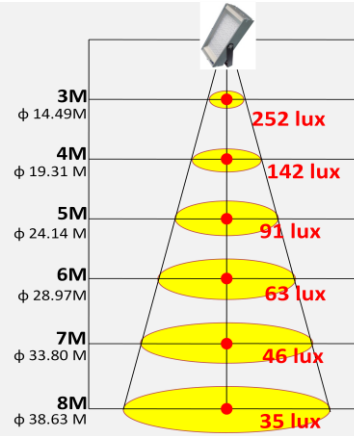


Illuminance at Distance

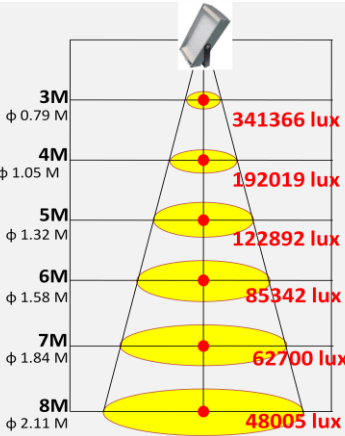
CREE XT-E -485W-90D WW 2200K



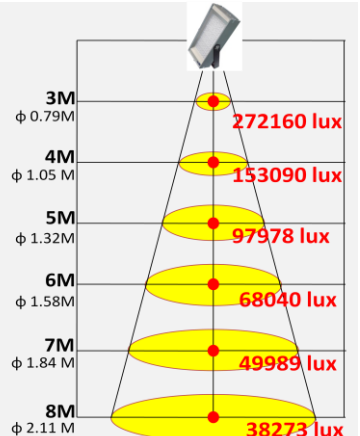
CREE XT-E -485W-135D WW 2200K



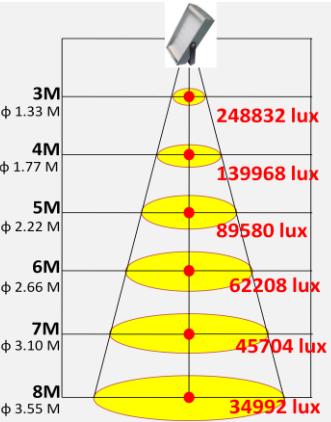
OSRAM Square -285W-15D TW



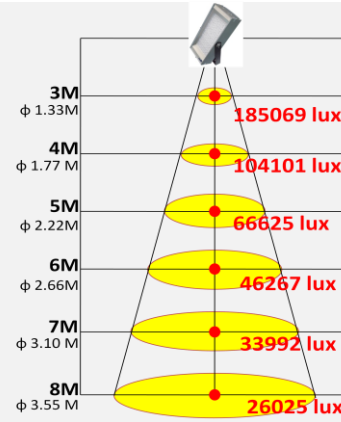
OSRAM Square -285W-15D WW



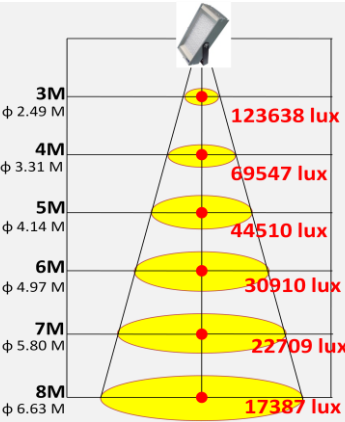
OSRAM Square -485W-25D TW



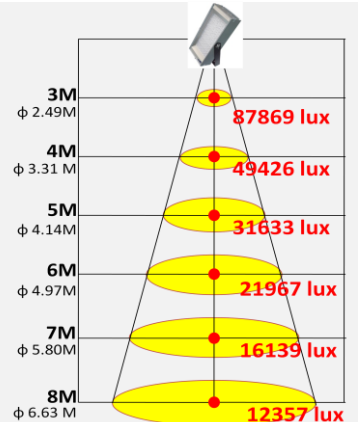
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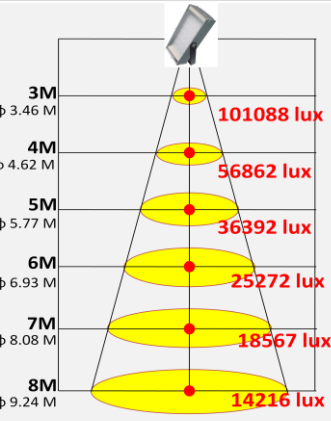
OSRAM Square -485W-45D TW



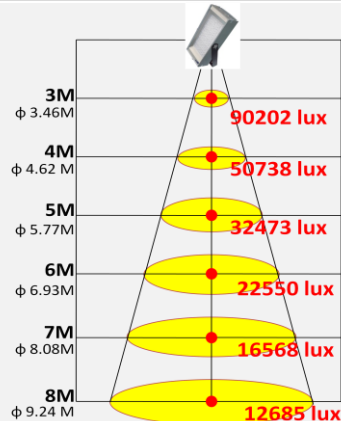
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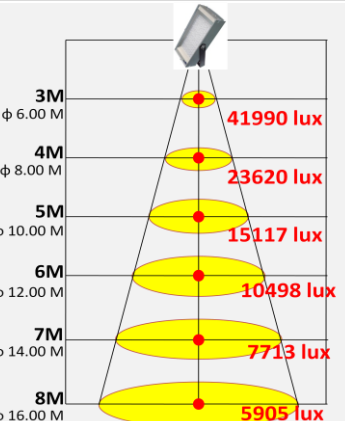
OSRAM Square -485W-60D TW



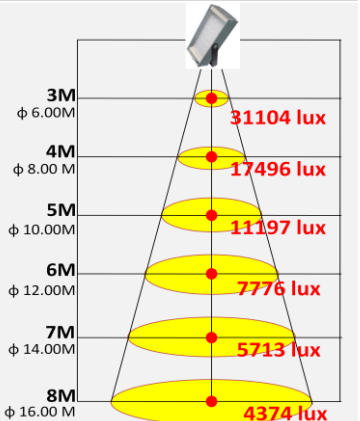
OSRAM Square -485W-60D WW



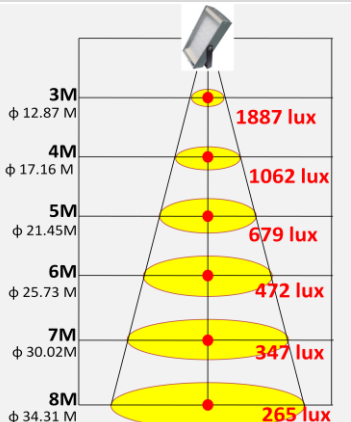
OSRAM Square -485W-90D TW



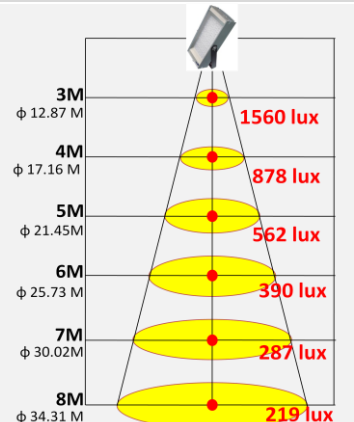
OSRAM Square -485W-90D WW



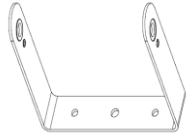


CREE XPL -485W-130D TW



CREE XPL -485W-130D WW

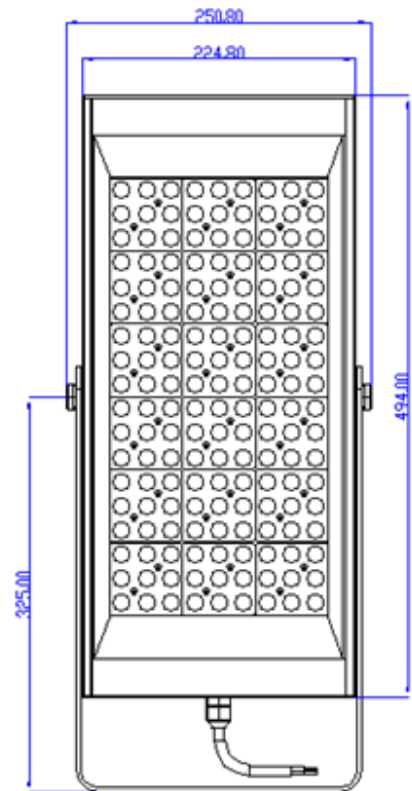
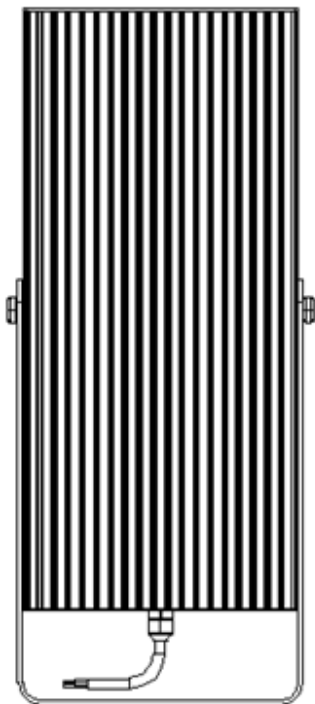


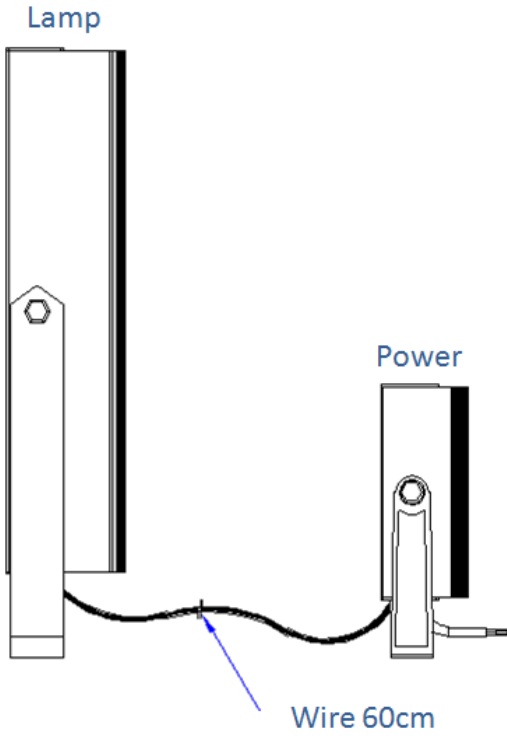
Accessories

| Category | Model Name | Photo |
|-----------------|-------------------------------|---|
| Stainless steel | Stainless steel Stand |  |
| SPD | Surge Protective Device (SPD) |  |
| Adapter | Waterproof Cable Adapter |  |

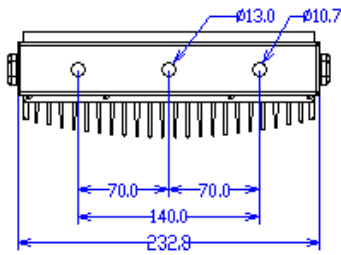
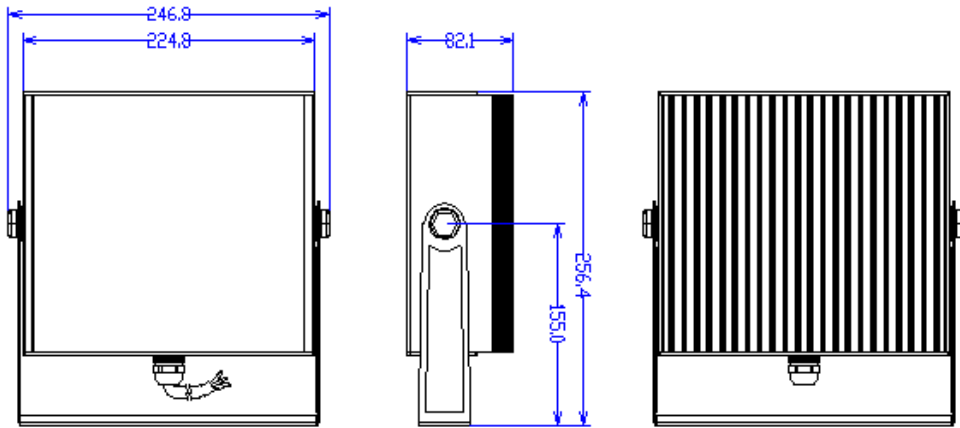
Mechanical Dimensions

F04t500 (Unit : mm)





F04 T500 Power(Unit : mm)



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