

PFM-E Series Industrial High Watts Flood Lights

| | |
|--------------------|--------------------------|
| LED 100-1000W | 1,400-140,000lm |
| 140lm/W Efficiency | 100-277V / 347-480V |
| Type 4X,IP66 | -20 °C ~ +40 °C |
| Heavy Industry | Wet & Corrosive Location |



| Model | Lumens | Wattage | Lumens per Watt | Equivalent HID Luminaire |
|-------------|--------|---------|-----------------|--------------------------|
| PFM-E-100W | 14000 | 100W | 140 | 320-400W |
| PFM-E-200W | 28000 | 200W | 140 | 600-750W |
| PFM-E-300W | 42000 | 300W | 140 | 1000W |
| PFM-E-400W | 56000 | 400W | 140 | - |
| PFM-E-500W | 70000 | 500W | 140 | - |
| PFM-E-600W | 84000 | 600W | 140 | - |
| PFM-E-800W | 112000 | 800W | 140 | - |
| PFM-E-1000W | 140000 | 1000W | 140 | - |



Applications

- Usage by application: Loading dock, warehouse, gym, factory, workshop, seaport, parking lot, high mast, square, statue, venue, bridge, monument, museum, airport, carport, garage, basement and marine.
- Usage by physical places: Industrial flood lights can be on the ground or steel bracket, we, steel structure, wet locations, wall areas, high mast bracket, off-court areas and other areas with or without based frame or plates, where corrosive, wet, dusty condition exists.
- High mast lighting system consist of an ultra high pole(up to 150 feet from the ground), a metal plane to accommodate light and several numbers sets of floodlights(normal more than 4 sets) to be used at the middle of squares or large transportation centers, loading and unloading ports, sea ports, factory zones to offer wide area lighting. SUREALL PFM-E series designed with a combined housing with optional separate units to adjust the whole watts as requested up to 1000 watts.

Features

In order to produce much higher lumen with higher watts led, SUREALL PFM-E series industrial high mast flood lights range from 10,000 to 140,000 lumen for an extra wide area. Ten types of modular housing combination are available for different watts, it is widely used as high mast light, garage flood light, marine led spotlight, led carport lights, airfield lighting, statue lighting, bridge lighting, monument lighting, museum of light, venue lighting, boat flood lights, tunnel lighting.

- > Adjustable lighting angle for every chamber to allocate proper lighting to certain area
- > Combination for one to ten chambers for 100 watts to 1,000 watts to enlarge the lumens output
- > Die cast aluminum alloy housing for usage of any corrosive environment

Standard Materials

Housing: Die cast aluminum with anti-corrosion powder coat, grey

Lens: Heat-resistant and impact-resistant tempered glass

Gaskets: Silicone



Technical Datasheet

| | | | | | | | | |
|---------------------|--|-------|-------|-------|-------|-------|--------|-------|
| Rated Voltage | 100–277V AC 50/60Hz 347–480V AC 50/60Hz | | | | | | | |
| Wattage (W) | 100W | 200W | 300W | 400W | 500W | 600W | 800W | 1000W |
| Lumens (LM) | 14000 | 28000 | 42000 | 56000 | 70000 | 84000 | 112000 | 14000 |
| Color Temperature | 5000K/4000K/3000K | | | | | | | |
| IP Grade | Wet Locations, Type 4X, IP66 | | | | | | | |
| Ambient Temperature | –20°C ~ +40°C / –4° F ~ +104° F | | | | | | | |
| Cable Entry | NPT 3/4" or M25X1.5 (adaptor for M20x1.5, NPT 1" , NPT1 1/2") | | | | | | | |
| Terminals | Terminal blocks ≤ 2.5mm², cable diameter 10–14mm | | | | | | | |
| Mounting Type | Bracket (Possible wall, ceiling, and block mounting with adjustable angle) | | | | | | | |
| Beam Angle | 120° / 90° / 60° / 40° | | | | | | | |

Catalogue Numbering System

PFM-E-

100



Lamp

| | |
|----------|------------|
| 100–100W | 200–200W |
| 300–300W | 400–400W |
| 500–500W | 600–600W |
| 800–800W | 1000–1000W |

C



Mounting Type

B–Bracket

W



Color Temperature

C–Cool(5000K)
N–Nature(4000K)
W–Warm(3000K)

1



Beam Angle

1–120°
2–90°
3–60°
4–40°

V1

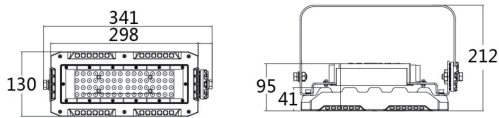


Voltage

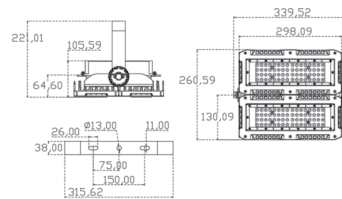
V1:100–277V AC
V2:347–480V AC

Mounting Options & Dimensions (mm/inch)

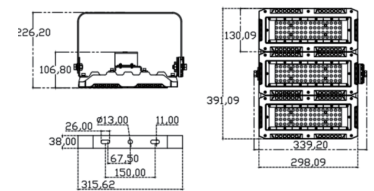
PFM-E 40–100W



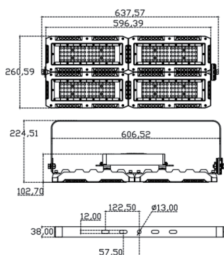
PFM-E80–200W



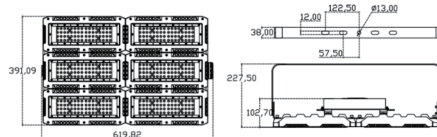
PFM-E120–300W



PFM-E 160–400W



PFM-E 240–600W



B: Bracket Type

