

|            |  |
|------------|--|
| Project:   |  |
| Type:      |  |
| Catalog #: |  |



### Description

Cold forging heat sink with excellent thermal conductivity and larger heat dissipation area for optimum heat dissipation. Up to 70°C ambient temperature, FIRE is specially designed for ultra-high-temperature circumstances. Back cover plate and vertical cooling ribs prevent dust deposits. Modular design to meet different power requirements, FIRE is a brilliant design for different applications from high-temperature conditions to ordinary industrial workshops.

### Key Features

- Operation temperature up to 70°C
- Wattage range from 100W to 400W, 1 and 4 modulators for different power requirement.
- Luminous efficiency up to 160lm/W
- IP66, IK08
- Type V distribution
- 100-240VAC
- Reflector is available as accessory

### Applications

- Designed for Extreme Temperatures
- Heavy industrial plants
- Steel Mills, Paper Plants, Glass Plants and other manufacturing facilities



### Mounting Options



Loop mount-Single



Loop mount-Twin



Loop mount-Triple



Loop mount-Quad

### Ordering Information

| MODEL                           | MOUNTING                | VOLTAGE            | MODEL           |
|---------------------------------|-------------------------|--------------------|-----------------|
| <b>FIR</b><br>High Temp Highbay | <b>1X</b> Single (100W) | <b>LV</b> 100-277V | <b>3K</b> 3000K |
|                                 | <b>2X</b> Twin (200W)   | <b>HV</b> 277-480V | <b>4K</b> 4000K |
|                                 | <b>3X</b> Triple (300W) |                    | <b>5K</b> 5000K |
|                                 | <b>4X</b> Quad (400W)   |                    |                 |

## Electrical Information

|                        |                                  |
|------------------------|----------------------------------|
| Model No.              | FIR-100                          |
| Power Consumption(±5%) | 100W                             |
| Power Supply           | SOSEN                            |
| Input Voltage          | 100-277/277-480 VAC , 50 / 60 Hz |
| Power Factor           | >0.9                             |
| Surge Protection       | 6kV line-line, 10kV line-earth   |
| Driver Type            | Constant Current (CC)            |
| Control                | /                                |

## Dimensions and Mount

|                      |   |
|----------------------|---|
| Product Dimension    | Φ220×435mm(Φ8.66"×17.13")                   |
| Luminaire Net Weight | 4.06±0.3kg(8.95±0.66Lbs)                    |
| Export Carton Size   | 460×300×305mm(18.11"×11.81"×12")            |
| Gross Weight         | 4.9±0.3kg(10.8±0.66Lbs)                     |
| Mounting Option      | Loop Hanging, single/twin/triple/quad mount |
| Material             | Aluminum Alloy                              |
|                      | Polycarbonate Optical Lens                  |
| Finish               | Powder Coating                              |
| Fixture Color        | Black                                       |
| EPA                  | NA  |
| IK Rating            | IK08  |
| IP Rating            | IP66  |

## Optic Information

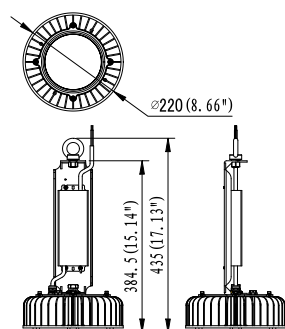
|                              |                        |
|------------------------------|------------------------|
| LED Type                     | LED 5050               |
| Luminous Flux (±10%)         | 16000lm                |
| Efficacy(5000K Ra70)         | 160lm/W                |
| Correlated Color Temperature | 5000K (4000K optional) |
| Color Rendering Index        | Ra70                   |
| Beam Angle                   | H04801(60°)            |
| UGR level                    | <19                    |

## Lifespan and Warranty

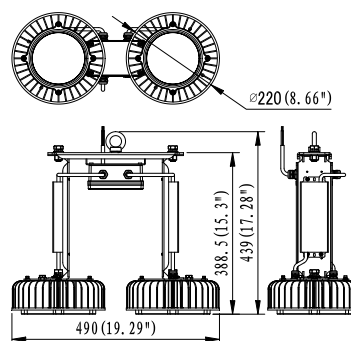
|                           |                                |
|---------------------------|--------------------------------|
| Operating Temperature     | -30°C to 70°C (-22°F to 158°F) |
|                           | 70,000hrs-L90                  |
| Life Time of LED @Ta=25°C | 100,000hrs-L80                 |
|                           | 100,000hrs-L70                 |
| Warranty                  | 5 Years                        |

## Dimensions

One single Module 100W

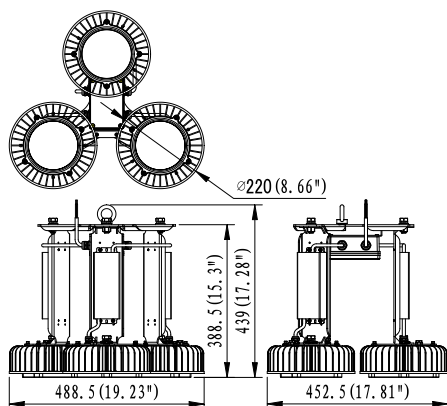


Two Modules 200W

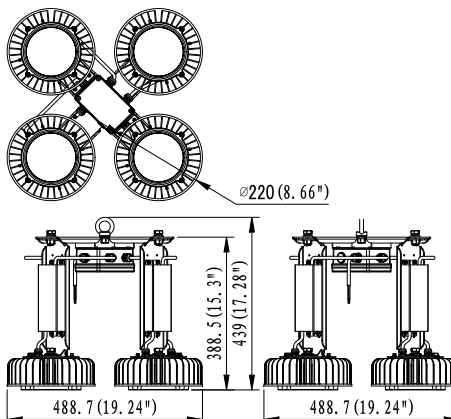


Unit: mm

Three Modules 300W



Four Modules 400W



| Item                    | FIR-1X                                 | FIR-2X          | FIR-3X          | FIR-4X          |
|-------------------------|--|-----------------|-----------------|-----------------|
| Wattage / Luminous Flux | 100W / 16,000lm                        | 200W / 32,000lm | 300W / 48,000lm | 400W / 60,000lm |
| System Efficacy         | 160lm/W                                |                 |                 |                 |
| LED Chips               | Seoul 5050                             |                 |                 |                 |
| CCT                     | 5000K standard (4000K, 3000K optional) |                 |                 |                 |
| CRI                     | Ra>70 standard (Ra80 optional)         |                 |                 |                 |
| IP Rating               | IP66                                   |                 |                 |                 |
| LED Type                | 5050                                   |                 |                 |                 |
| Driver Type             | SOSEN driver                           |                 |                 |                 |
| Input Voltage           | 100-277Vac/277-480Vac, 50-60Hz         |                 |                 |                 |
| Operating Temp          | -30°C to + 70°C                        |                 |                 |                 |
| Warranty                | 5 years                                |                 |                 |                 |

## Accessories

**Twin-mount Bracket Kit for 200W**

Code: FIR2-TMBK

**Triple-Mount Bracket Kit for 300W**

Code: FIR3-TMBK

**Quad-Mount Bracket Kit for 400W**

Code: FIR4-QMBK

**Safety chain**

304 stainless steel, available for 0.25m, 1m, 1.5m and 5m long. 8# rigging key ring.

Code: FIR-SC

## Packing list of accessory, abc

| Packing list  | Net Weight                 | Gross Weight               | Export Carton Size                 |
|---|----------------------------|----------------------------|------------------------------------|
| FIR2-TMBK, Twin-mount Bracket Kit for 200W (10pcs/CTN)  | 18.4±0.3kg(40.56±0.66Lbs)  | 20.55±0.3kg(45.3±0.66Lbs)  | 585×350×230mm(23.03"×13.78"×9.06") |
| FIR3-TMBK, Triple-Mount Bracket Kit for 300W (4pcs/CTN) | 9.67±0.3kg(21.32±0.66Lbs)  | 12.27±0.3kg(27.05±0.66Lbs) | 645×370×240mm(25.39"×14.57"×9.45") |
| FIR4-QMBK, Quad-Mount Bracket Kit for 400W (4pcs/CTN)   | 12.57±0.3kg(27.71±0.66Lbs) | 15.45±0.3kg(34.06±0.66Lbs) | 735×370×240mm(28.94"×14.57"×9.45") |