

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.



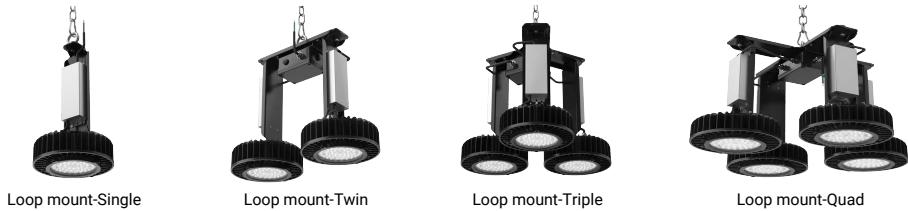
Key Features

- Operation temperature up to 70°C
- Wattage range from 100W to 400W, 1 and 4 modules 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



Ordering Information

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

Electrical Information

Model No.	FIR-100
Power Consumption($\pm 5\%$)	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	$\Phi 220 \times 435\text{mm}(\Phi 8.66" \times 17.13")$
Luminaire Net Weight	$4.06 \pm 0.3\text{kg}(8.95 \pm 0.66\text{Lbs})$
Export Carton Size	$460 \times 300 \times 305\text{mm}(18.11" \times 11.81" \times 12")$
Gross Weight	$4.9 \pm 0.3\text{kg}(10.8 \pm 0.66\text{Lbs})$
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

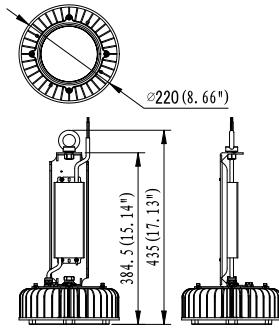
LED Type	LED 6050
Luminous Flux ($\pm 10\%$)	16000lm
Efficacy(5000K Ra70)	160lm/W
Correlated Color Temperature	5000K (4000K optional)
Color Rendering Index	Ra70
Beam Angle	H04801(60°)
UGR level	<19

Lifespan and Warranty

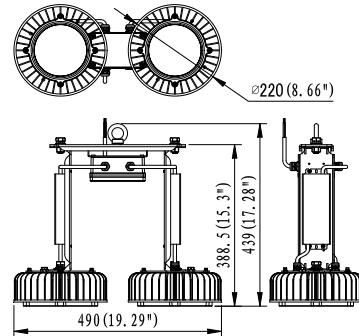
Operating Temperature	-30°C to 70°C (-22°F to 158°F)
	70,000hrs-L90
Life Time of LED @ $T_a=25^\circ\text{C}$	100,000hrs-L80
	100,000hrs-L70
Warranty	5 Years

Dimensions

One single Module 100W

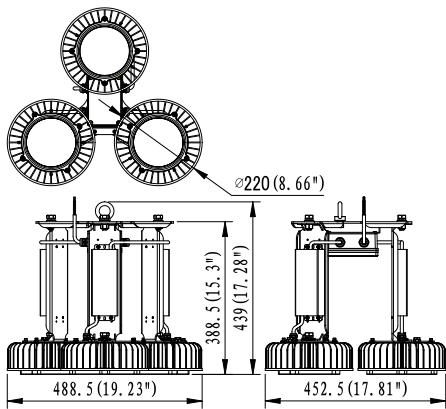


Two Modules 200W

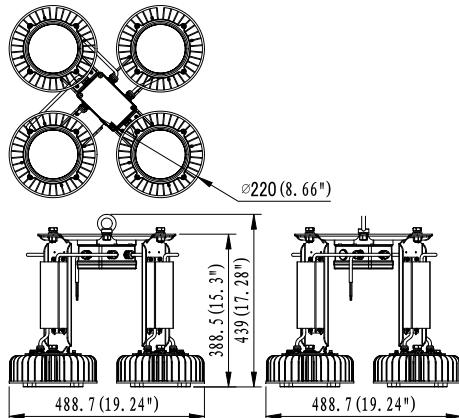


Unit: mm

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


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

Code: FIR-SC



Triple-Mount Bracket Kit for 300W

Code: FIR3-TMBK



Quad-Mount Bracket Kit for 400W

Code: FIR4-QMBK

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")