

SHF-II Series LED Floodlight

Class I, Div.2, Group A, B, C, D Hazardous Locations
 Class II, Div.1, Group E, F, G Wet Locations, Type 4X, IP 66
 Class III
 Zone2; Zone 21&22



Model	Typical Lumens	Wattage	Lumen/Wattage	Equivalent HID luminaire
SHF-II-150W	22500	150W	150	750W
SHF-II-200W	30000	200W	150	750-1000W
SHF-II-240W	36000	240W	150	1000W



Applications

- For areas with mounting heights of 50 feet/15m
- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, indoor/outdoor spotlighting, outdoor wall and stanchion mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flying are present
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
Classified and hazardous locations

Features

- Instant illumination and restrike, cold temperature operation/no warm-up required
- Independent chamber for LED module, driver and wiring, high reliability and easy installation and maintenance
- Latest LED Technology: High efficiency LED exceed 150 lm/w, fixture lumen efficiency exceed 160 lm/w
- High Reliability Driver: Meanwell brand driver, high reliability, efficiency exceed 98%, design for harshest environment
- Energy-efficient technology: up to 75% energy savings over HID fixtures
- Excellent Heat Sink Dissipation Performance: Lower LED and driver temperature, longer service life
- Operating Ambient Temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Beam Angel: 120° for option

Compliances

IEC Standard

IEC60079-0, IEC60079-15, IEC60079-31

Ex nR IIC T6/T5 Gc

Ex tb IIIC T80°C/T95°C Db IP66


Zone 2


Zone 21, Zone 22

IP66

EU Standard

EN60079-0, EN60079-15, EN60079-31

 II 3 G Ex nR IIC T6/T5 Gb

 II 2 D Ex tb IIIC T80°C/T95°C Db IP66

Zone 2

Zone 21, Zone 22

IP66

NEC & CEC Standard

Class I, Div 2, Group A, B, C, D

Class II, Div 1, Group E, F, G

Class III

Wet Locations, Type 4X, IP66

UL Standard

UL844, UL1598, UL1598A

CSA Standard

CSA C22.2 No.137

Standard Materials

- Lamp housing and adapter – die cast aluminum with anti-corrosion powder coat
- Lens – heat-resistant and impact-resistant tempered glass
- Gaskets – silicone
- External hardware – carbon steel or stainless steel
- Factory sealed, no external seals required

LED System

- High intensity discrete power emitters
- Standard: cool white (5700K); optional: warm white (2700K); nature white(4000K)
- Brand-new LED chips

LED Driver

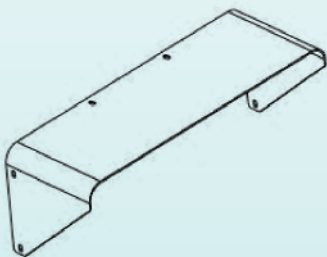
Input Voltage	100–277V AC 50/60Hz 277–480V AC 50/60Hz	
THD	<10%	
Power Factor	0.98 (220V/full load)	
Protection	Short Circuit/Over Voltage/Over Heat	
	Surge Protection	Line to line 4KV Line to earth 10KV
IP	IP66	

Catalogue Numbering System

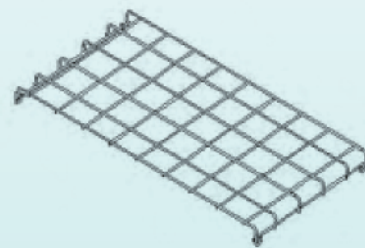
SHF-II	20	B	C	W	V	1
Lamp/Function	Mounting Type	Cable Entry	Color Temperature	Voltage	Beam Angle	
150–150W	Bracket	N–NPT3/4"	C–Cool(5000K)	V1:100–277V AC	120°	
200–200W		M–M25x1.5	N–Nature(4000K)	V2:277–480V AC		
240–240W				W–Warm(3000K)		

Optional Accessories

Glare Shield Visor



Wire Guard



Technical Datasheet

Classification	Class I, Div. 2, Group A, B, C, D Class II, Div. 1, Group E, F, G Class III Zone 2; Zone 21 & 22		
Standards	IEC60079-0, IEC60079-15, IEC60079-31 EN60079-0, EN60079-15, EN60079-31 UL844, UL1598, UL1598A CSA C22.2 No. 137		
Ex-mark	II 3 G Ex nR IIC T6/T5 Gb II 2 D Ex tb IIIC T80°C/T95°C Db IP66		
Rated Voltage	100-277V AC 50/60Hz 277-480V AC 50/60Hz		
Rated Wattage(W)	150W	200W	240W
Luminous Flux(LM)	22500	30000	36000
Color Temperature	5000K / 4000K / 3000K		
IP Grade	Wet Locations, Type 4X, IP66		
Ambient temperature	-40° C ~ +65° C / -40° F ~ +149° F		
Cable Entry	NPT 3/4" or M25*1.5		
Terminals	terminal blocks ≤ 2.5mm ² , cable diameter 10-14mm		
Installation	Bracket		
Beam Angle	120°		

Mounting Options & Dimensions (mm/inch)

Bracket

