# SHF-I Series LED Floodlight

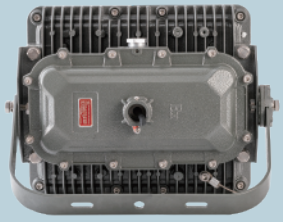
Class I, Div.1, Group A, B, C, D — Hazardous Locations

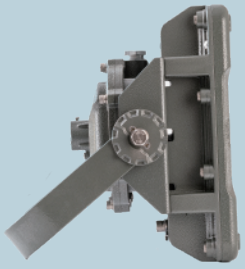
Class II, Div.1, Group E, F, G — Wet Locations, Type 4X, IP 66

Class III

Zone 1&2; Zone21&22

| Model | Lumens (lm) | Wattag | Lumens per Watt (lm/W) | Equivalent HID Luminaire |
|---|---|---|---|---|
| SHF-I-30W | 3600 | 30W | 120 | 70W |
| SHF-I-40W | 4800 | 40W | 120 | 100W |
| SHF-I-60W | 7200 | 60W | 120 | 150W |
| SHF-I-80W | 9600 | 80W | 120 | 175-250W |
| SHF-I-100W | 12000 | 100W | 120 | 320-400W |
| SHF-I-120W | 14400 | 120W | 120 | 400W |
| SHF-I-150W | 18000 | 150W | 120 | 400W-600W |
| SHF-I-200W | 24000 | 200W | 120 | 1000W |
| SHF-I-240W | 28800 | 240W | 120 | - |





## Applications

- High lumen output for installation in high mounting heights of 10–44 feet/3–13m
- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, 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; Type 4X, marine, wet location and hose-down environments
- Classified and hazardous locations

## Features

With well-constructed aluminum housing, SHF-I series explosion proof led flood light, as a prevalent model of explosion proof led lights, are rigid demand for refinery lighting and paint booth lights to brighten the large space for hazardous lighting solutions. In order to serve lighting solutions for upstream oil and gas and downstream gas station lights, lighting zone are designed for class 1 div 1, class 1 div 2, class 2 division 1 and class 2 division 2, ATEX zone can be also zone 1 and zone 2 as ATEX led floodlight.

- Adjustable lighting angle to direct to any requested points
- Wide-spread and large-area heat dissipation structure for stable working
- Separate small lens for every led chips unit to reduce light waste
- Isolated high intensive flame proof aluminum housing for led driver

## Features

- Housing: Die cast aluminum with anti–corrosion powder coat, grey
- Lens: Heat–resistant and impact–resistant tempered glass
- Gaskets: Silicone

## Compliances

IEC Standard

IEC60079–0, IEC60079–1,
IEC60079–31, IEC60598–2–1
Ex d e mb IIC T6 Gb
Ex tb IIIC T80℃ Db IP66
Zone 1, Zone 2
Zone 21, Zone 22

EU Standard

EN60079–0, EN60079–1,
EN60079–31, EN60598–2–1
Ⓔx II 2 G Ex d e mb IIC T6 Gb
Ⓔx II 2 D Ex tb IIIC T80℃ Db IP66
Zone 1, Zone 2
Zone 21, Zone 22

NEC & CEC Standard

Class I, Div 1, Group A, B, C, D
Class II, Div.1, Group E, F, G
Class III

UL Standard

UL844, UL1598, UL1598A

CSA Standard

CSA C22.2 No.137

## Catalogue Numbering System

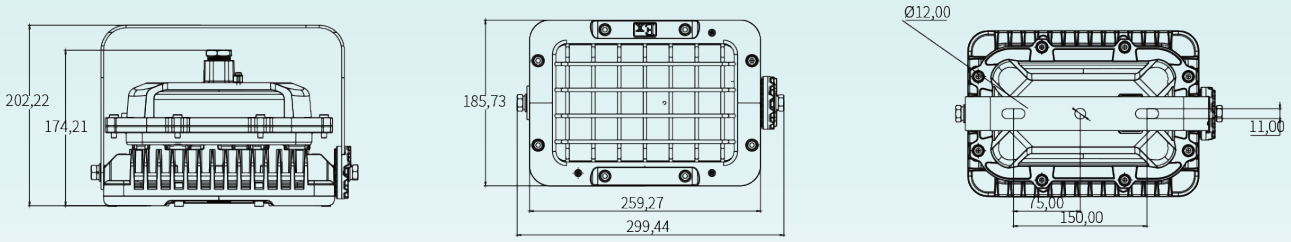
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rated Voltage | 100–277V AC 50/60Hz | | | | | 277–480V AC 50/60Hz | | | |
| Wattage(W) | 30W | 40W | 60W | 80W | 100W | 120W | 150W | 200W | 240W |
| Lumens(lm) | 3600 | 4800 | 7200 | 9600 | 12000 | 14400 | 18000 | 24000 | 28800 |
| Color Temperature | 5000K/4000K/3000K | | | | | | | | |
| IP Grade | Wet Locations, Type 4X, IP66 | | | | | | | | |
| Ambient Temperature | –40℃~ +55℃ /–40°F ~ +131°F | | | | | | | | |
| Cable Entry | NPT 3/4” or M25X1.5 (adaptor for M20x1.5, NPT 1”, NPT1 1/2”) | | | | | | | | |
| Terminals | Terminal blocks ⩽ 2.5mm , cable diameter 10–14mm | | | | | | | | |
| Mounting Type | Bracket (Possible wall, ceiling, and block mounting with adjustable angle) | | | | | | | | |
| Beam Angle | 120° / 60° / 45° / 30° | | | | | | | | |

## Catalogue Numbering System

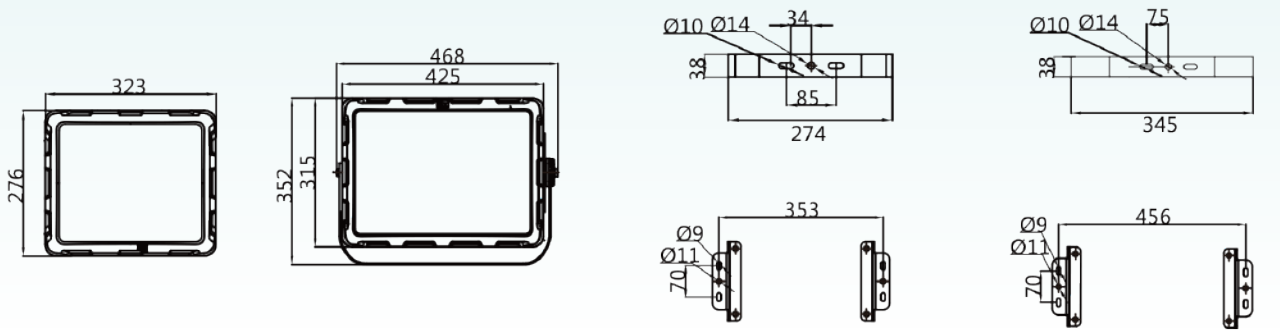
SHF-I-

| 20 | N | C | W | V1 | 1 |
|---|---|---|---|---|---|
| Lamp | Cable Entry | Mounting Type | Color Temperature | Voltage | Beam Angle |
| 30–30W | N–NPT 3/4" | B–Bracket | C–Cool(5000K) | V1:100–277V AC | 1–120° |
| 40–40W | M–M25x1.5 | | N–Nature(4000K) | V2:277–480V AC | 2–60° |
| 60–60W | | | W–Warm(3000K) | | 3–45° |
| 80–80W | | | | | 4–30° |
| 100–100W | | | | | |
| 120–120W | | | | | |
| 150–150W | | | | | |
| 200–200W | | | | | |
| 240–240W | | | | | |

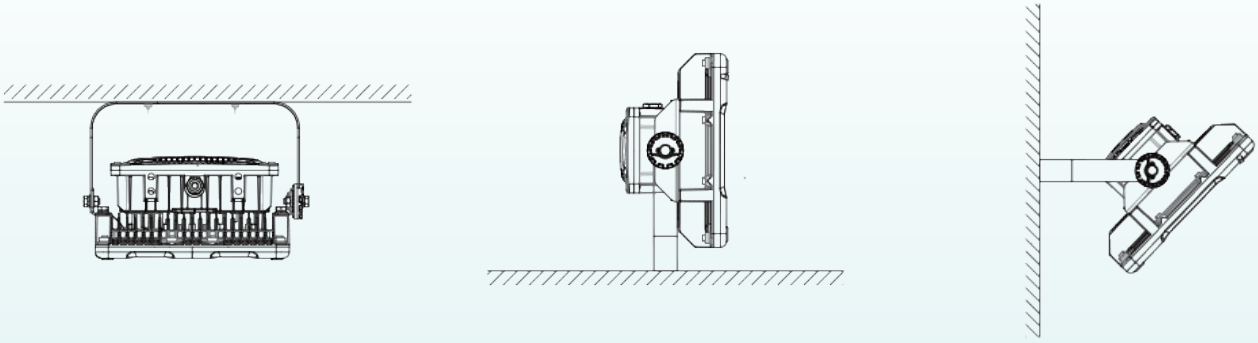
## Mounting Options & Dimensions (mm/inch)




### SHF-I (30W-80W)




### SHF-I (80W-200W)



Ceiling Bracket Type

Wall Bracket Type

Horizontal Bracket Type