



B2



B



B3



B4

Class 1 Division 2



Compliance

UL 844 Hazardous Locations
Class I Division 2 Groups A, B, C, D
Class II Division 1 Groups E, F, G
Class II Division 2 Groups F, G
Class III
UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater

IP66
IK08 (Without Wire Guard)
IK10 (With Wire Guard)
ABS
DLC select versions

Key Features

FEATURES: **Tunable Wattage**
Adjustable CCT

Compact Rugged Low-Bay/High-Bay Flood
High Lumen Efficiency up to 165 lm/W
Vibration and Impact Resistant

OPTIONS: 4 Body Sizes
8 Mounting Styles
T2, T3, T5, 40°, 60°, 90° or 120°
Lens: Flat, Convex or Spherical / Clear or Frosted / Glass or PC
High Voltage
Emergency Back-Up

Applications

Oil and Gas

Petroleum production and refining
Petroleum loading, storage, transportation and retail
Confined spaces with vapor accumulation
LNG and LPG handling
Oil tankers and shipping vessels
Fuel system testing facilities

Power Plants

Coal-fired power plants, including coal handling and storage areas
Gas-fired power plants with fuel storage
Nuclear power facilities in hazardous auxiliary areas
Biomass or waste-to-energy plants with combustible dust risks

Industrial

Industrial storage facilities
Paper mills, sawmills and lumber yards
Loading dock platforms
Manufacturing plants for heavy industrial goods
Warehouses handling flammable materials

Waste Treatment

Wastewater treatment plants
Pumping stations
Solid waste processing and incineration facilities
Sewage treatment with methane gas risks
Hazardous waste recycling centers

Mining

Operations and service areas
Underground mining tunnels with gas accumulation

Chemical Industry

Chemical production, processing and storage facilities
Solvent handling and mixing areas
Chemical research labs with flammable substances

Ocean, Marine and Aerospace

Offshore platform operation facilities and structures
Marine and saltwater environments
Aerospace clean rooms and production areas
Ocean vessel operations
Shipyards and dry docks
Aircraft hangars with fuel vapors

Metal Treatment

Paint facilities
Steel and aluminum factories
Metal smelting, foundry and fabrication
Welding and cutting areas with gas risks

Military and Defense

Ammunition storage and handling
Fuel depots and refueling stations
Explosives manufacturing
Vehicle maintenance bays in hazardous zones

Food, Alcohol and Agriculture Industry

Flour and fine particle production and storage
Food and distilling production
Grain storage elevators and silos
Breweries and fermentation tanks
Feed mills with dust risks
Fertilizer production and storage

Pharmaceutical Industry

Drug manufacturing and solvent handling
Clean rooms with volatile compounds
Pill coating and drying areas
Research and development labs

**Other high humidity, high dust, high
temperature and vapor locations**

Specifications

Wattage	20 W	25 W	30 W	35 W	40 W	50 W	60 W	70 W	20 W	30 W	40 W	50 W	60 W	80 W	100 W	20 W	40 W	50W	60 W	80 W	100 W	120 W	150 W	180 W	200 W	240 W	150 W	180 W	200 W	250 W	300 W	350 W	400 W	500W
	B2				B5				BX				B4																					

OPTICAL

Lumen Output	3000 lm	3750 lm	4500 lm	5250 lm	6000 lm	7500 lm	9000 lm	10500 lm	3000 lm	4500 lm	6000 lm	7500 lm	9000 lm	12000 lm	15000 lm	3000 lm	6000 lm	7500 lm	9000 lm	12000 lm	15000 lm	18000 lm	22500 lm	27000 lm	30000 lm	36000 lm	24750 lm	29700 lm	33000 lm	41250 lm	49500 lm	57750 lm	66000 lm	82500 lm				
Lumens Per Watt	150 lm/W																								165 lm/W													
Color Temperature: CCT	SELECTABLE: Standard 5000K Options: 2700K- 6500K																																					
CRI (Color Rendering Index)	>70																																					
Beam Angle	Standard: 120° Options: 40°/60°/90°/T2/T3/T5																																					
Dimming	0-10V dimming																																					

ENVIRONMENTAL

Ambient Operating Temperature	T4A: -40°C to +55°C (-40°F to +131°F)	T5: -40°C to +60°C (-40°F to +140°F)	T4A: -40°C to +50°C (-40°F to +122°F)	350W/400W T5: -40°C to +55°C (-40°F to +131°F) 500W T4: -40°C to +55°C (-40°F to +131°F)
Temperature Code	T4 +55°C	T5 +60°C	T4A +50°C	T5 +55°C, T4A +55°C
Power Model (120-277VAC/ 347VAC)	SS-100VA-56BHL	SS-150VA-56BHL	XLG-240-H-ABL	350W SS-500VP 400W/500W SS-600VP

MECHANICAL

Housing Material	Die-cast Aluminum
Lens Diffuser	Standard: Clear Flat Glass Options: Clear Flat Glass, Clear Convex Glass, Clear Flat PC, Clear Convex PC, Frosted Flat Glass, Frosted Convex PC, Clear Spherical Glass (B2), Frosted Spherical Glass (B2)
Hardware	Stainless steel 304
Fixture Color	Grey RAL 7040 (Standard)
Mounting	Ceiling, Wall, Pole, Pendant
Cable Entry	3/4" NPT
LED Chip	2835
Warranty	5 Year Standard Warranty

ELECTRICAL		
Lifespan	L70> 150,000 Operational Hours @ 55°C	
Input Voltage	120-277VAC, 120-347VAC, 277-480VAC	
Input Frequency	50/60Hz	
Power Factor	> 0.95	
LED Driver	Sosen/Fahold (120-270VAC/120-347): Meanwell (200-480VAC)	
EMERGENCY		
Emergency Time	No Emergency Function	1.5 Hour, 3 Hour

Ordering Logic

ORDER EXAMPLE: HLL B EX 100W B5 D 50 D120 T

(1) Product	(2) Product Category	(3) Rated Input Wattage	(4) Shape Series	(5) Dimming
HLL B	EX - Explosion Proof	80W: 80W/60W/40W [B2] 100W: 100W/80W/60W [B5] 200W: 200W/150W/120W [BX] Inquire About Additional Wattage Combinations: B2: 20W, 25W, 30W, 35W, 40W, 50W, 60W, 70W B5: 20W, 30W, 40W, 50W, 60W, 80W, 100W BX: 20W, 40W, 50W, 60W, 80W, 100W, 120W, 150W, 180W, 200W, 240W B4: 150W, 180W, 200W, 250W, 300W, 350W, 400W, 500W	B2 B5 BX B4	Blank - Non-Dimmable D - Dimmable (S)
(6) Kelvin	(7) Beam Angle	(8) Lens	(9) Dual Tunable	(10) Backup Power Source
27 - 2700 K	D40 - 40°	CFG or Blank - Clear Flat Glass (S)	T - With Tunable	Blank - Without Emergency Battery (S)
40 - 4000 K	D60 - 60°	CCG - Clear Convex Glass		EM - Emergency Battery (B5, BX & B4)
50 - 5000 K (S)	D90 - 90°	CFP - Clear Flat PC		
57 - 5700 K	D120 - 120° (S)	CCP - Clear Convex PC		
65 - 6500 K	T2 - 60°	CSG - Clear Spherical Glass (B2)		
	T3 - 90°	FFG - Frosted Flat Glass		
	T5 - 120°	FCG - Frosted Convex Glass		
		FSG - Frosted Spherical Glass (B2)		

(S) Standard

Accessories



EX-Flexible Conduit 700mm 3/4NPT



EX-Flexible Conduit 700mm 1/2NPT



EX-Threaded Pipe



EX-Bent Threaded Pipe



EX-Junction Box



EX-Junction Box Side Hole



EX-Chain



EX-Lifting Hook



EX-25° Stanchion Pole Mount



EX-90° Stanchion Pole Mount



EX-25° Stanchion with Junction Box



EX-90° Stanchion with Junction Box



EX-90° Stanchion to Junction Box



EX-45° Pole Mount



EX-Pendant Direction Adapter

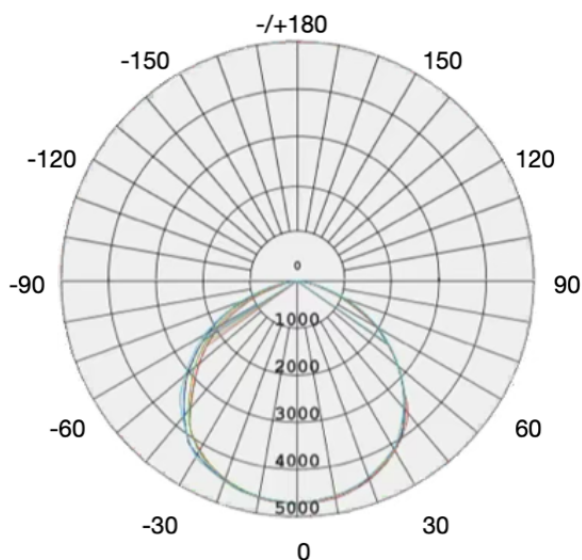


Lamp Shade



Cut Off Lamp Shade

Photometric



120 Degree

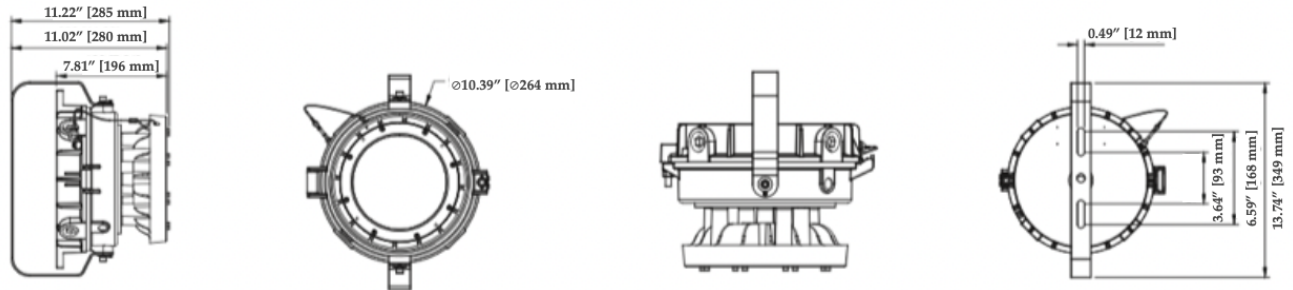
Average Beam Angle (50%): 112.1 Degree

UNIT: cd

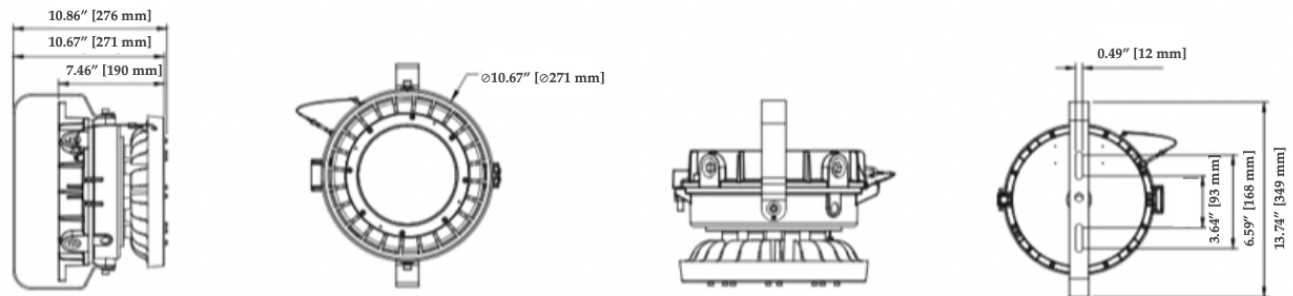
- C0/180, 109.6°
- C30/210, 111.2°
- C60/240, 113.1°
- C90/270, 114.7°

Product Dimensions

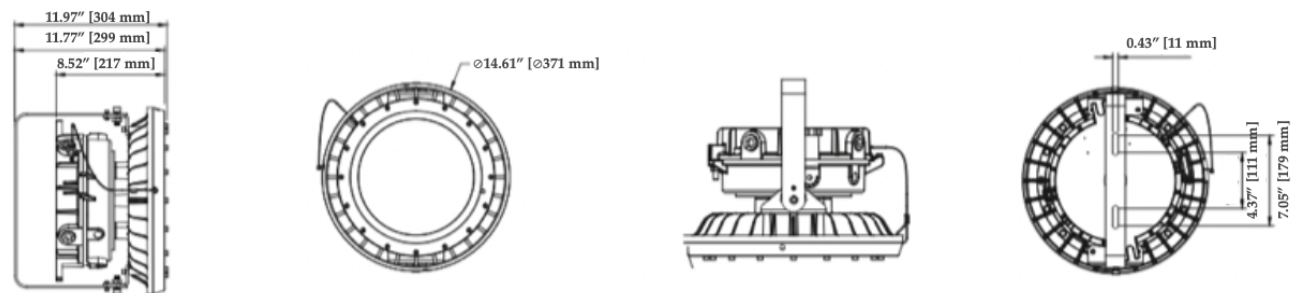
B2



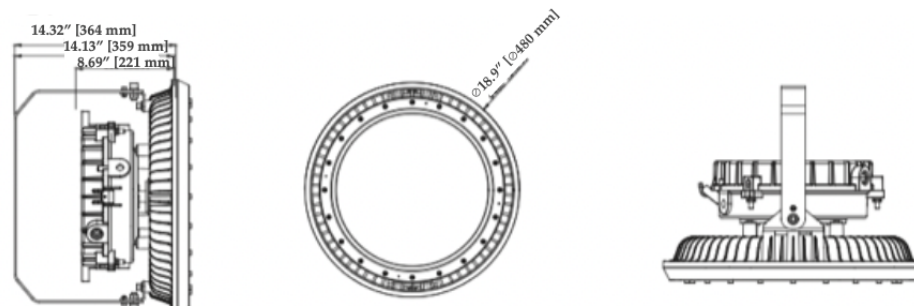
B5



BX



B4

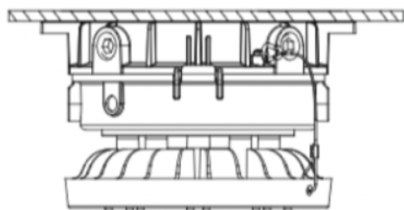


Packaging Information

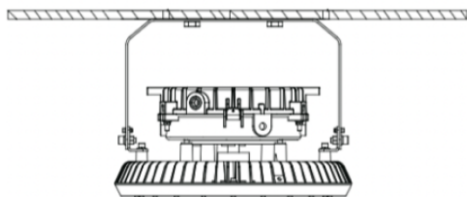
	B2	B5	BX	B4
Pieces	1	1	1	1
Fixture Dimensions	See Product Dimensions Drawing	See Product Dimensions Drawing	See Product Dimensions Drawing	See Product Dimensions Drawing
Package Dimensions	17.72" x 17.72" x 11.81" (450mm x 450mm x 300mm)	17.72" x 17.72" x 11.81" (450mm x 450mm x 300mm)	17.72" x 17.72" x 12.60" (450mm x 450mm x 320mm)	22.64" x 22.64" x 14.02" (575mm x 575mm x 356mm)
Net Fixture Weight	14.11 lb (6.4kg)	16.09 lb (7.3 kg)	25.13 lb (11.4kg)	37.48 lb (17.0 kg)
Gross Weight	15.65 lb (7.1 kg)	18.08 lb (8.2kg)	27.34 lb (12.4 kg)	51.81 lb (23.5 kg)

Mounting Methods

Option 1: Ceiling Mounting



Option 2: Wall Mounting



Accessory



Bracket

Option 3: Wall Mounting

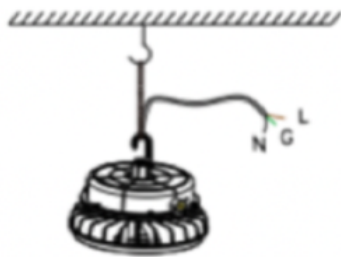


Accessory



Bracket

Option 4: Hook & Chain Mounting



Accessory



EX-Lifting Hook



EX-Chain

Option 5: Pendant Mounting

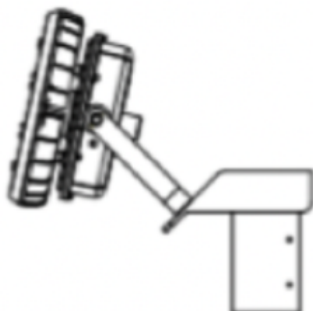


Accessory



EX-Junction Box

Option 6: 45° Pole Mount (Only for B and B2)



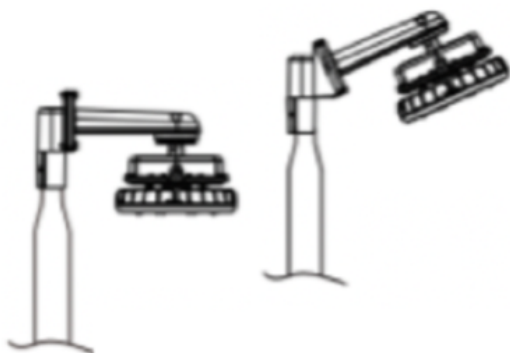
Accessory



EX-45° Pole Mount

Option 7: Stanchion Pole Mounting

Accessory



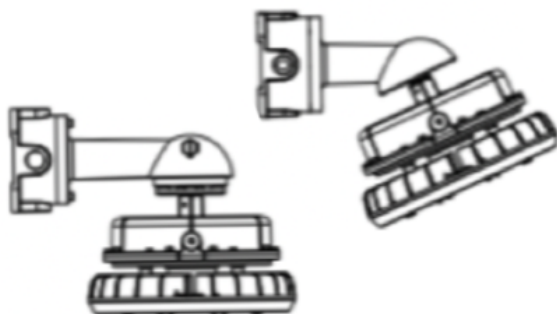
EX-25° Stanchion Pole Mount



EX-90° Stanchion Pole Mount

Option 8: Wall Stanchion Mounting With Junction Box

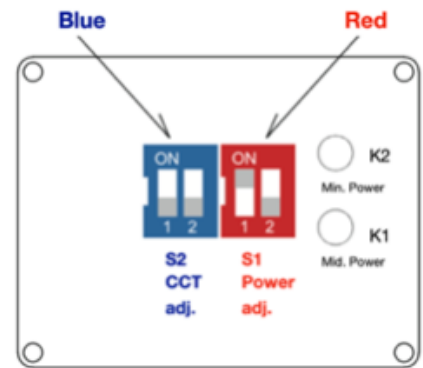
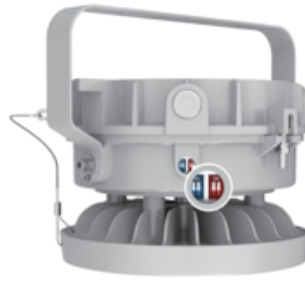
Accessory



EX-25° Stanchion with Junction Box



EX-90° Stanchion with Junction Box



OPERATING INSTRUCTIONS

S1 DIP SWITCH - RED (S1 Power adj.)

The power adjustment dial switch can be set to three power levels, and the factory default setting can be defined according to order requirements.

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First gear (Max. power), 100% full power.
Operation instructions: Dial 1 and 2 are both in the OFF position;
Example: 100W
- 

Second gear (Mid. power), 70%-80% power, can be set according to the required power.
Operation instructions: Dial 1 is in the ON position, Dial 2 is in the OFF position;
Example: 80W
- 

Third gear (Min. power), 50%-60% power, can be set according to the required power.
Operation instructions: Dial 1 is in the OFF position, Dial 2 is in the ON position;
Example: 60W

S2 DIP SWITCH - BLUE (S2 CCT adj.)

The color temperature dial switch can be set to three levels of color temperature, and the factory default setting can be defined according to order requirements.

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First gear, the cold white temperature gear, for example, 6000K.
Operation instructions: Dial 1 and 2 are both in the OFF position;
6500K
- 

Second gear, the neutral temperature gear, for example, 5000K.
Operation instructions: Dial 1 is in the ON position, and Dial 2 is in the OFF position;
5000K
- 

Third gear, the warm white temperature gear, for example, 4000K.
Operation instructions: Dial 1 and 2 are both in the ON position;
4000K

(1) Power Adjuster:

Connect to the 0/1-10V dimming port of the LED driver.

(2) CCT Adjuster:

Connect the output voltage of the LED driver:

DC20 - 60V LED driver maximum no - load output voltage: 68V max

(3) The three - gear power setting principle is as follows:

The first gear is 100%, the second gear is 70 - 80%, and the third gear is 50 - 60%.
The minimum setting cannot be lower than 50%.