HLSS-V

Hazardous Location LED Luminaire, S Series, IP66

Hazardous Location LED Luminaire



S1



S2

The S Series LED luminaire is designed for installations in hazardous areas where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient temperature can be expected. Flame-proof and increased-safe functions enhance safety and reliability, which makes this product an ideal lighting solution for hazardous locations.

Features

- Combined flame-proof and increased-safe functions, enhanced safety and reliability
- Compact and rugged structure, easy installation
- Various installation ways for different applications
- Great impact resistance with IK08 / IK10 certification
- Copper-free aluminum housing, great corrosion resistance and cooling performance
- Tempered glass for high heat resistance
- Flat glass and convex glass diffusers are optional

Application

- Power Plants
- Heavy industrial storage facilities
- Paper mills
- Wastewater treatment plants
- Loading docks / platforms
- Offshore environments
- Chemical processing facilities
- Petrochemical processing facilities
- Metallurgical industry
- Coal mine
- Food and alcohol industry

5-year standard warranty
LED lumen maintenance: L70 > 150,000 hours @ 55°C

Compliance

- Zone 1, 2, 21, 22
- UL 844 Hazardous Locations
- Class I Division 1, Groups B, C, D
- 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 Wet Locations
- UL 1598A Marine Outside Type
- ABS
- IP66
- IK08 (glass cover)
- IK10 (with wire guard)
- 3G vibration

Electrical

Model	S1	S2
Rated power	Max. 100W	Max. 200W
Input voltage	120-277VAC / 200-480VAC	
Frequency / power factor	50/60Hz / > 0.95	

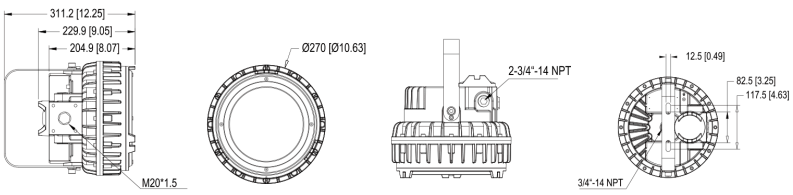
Optical

Model	S1	S2
Lumen output	Max. 13,000lm	Max. 26,000lm
Luminous efficacy	130lm/W	
CCT	3000K / 4000K / 5000K / 5700K / 6500K	
CRI	> 70	
Beam angle	40° / 60° / 90° / 120°	

Mechanical and Environmental

Housing material	Aluminum alloy ADC12
Diffuser	Tempered glass; flat (standard) / convex (optional)
Protection	IP66 / IK08 (glass cover) / IK10 (with wire guard)
Mounting	Pole (25° / 90°), jib, U-bracket (standard)
Ambient temperature	-40°C to +55°C

Dimensions, mm [inch]

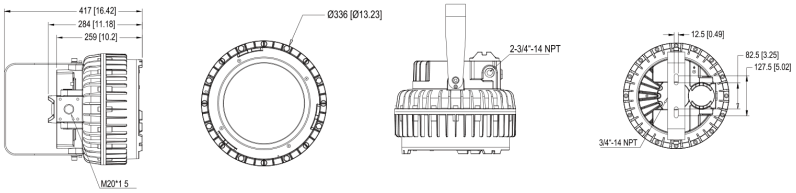


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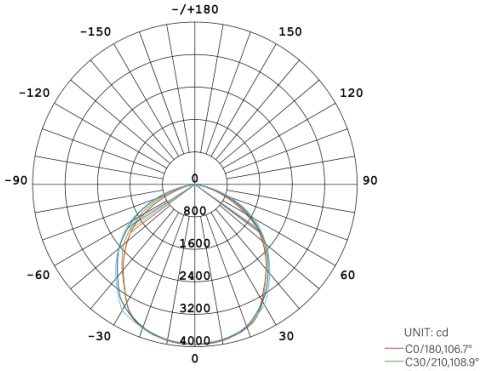
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HLSS-V

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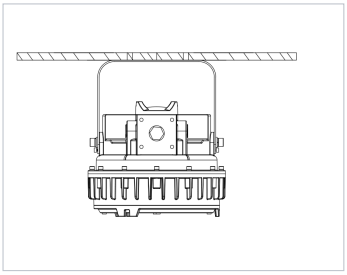


Photometric

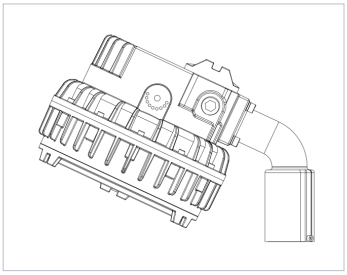


AVERAGE BEAMANGLE(50%): 110.1 DEG

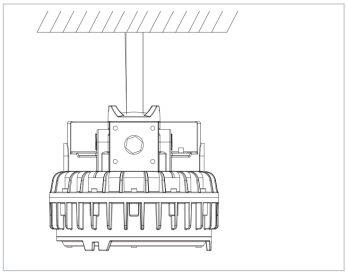
Mounting Methods



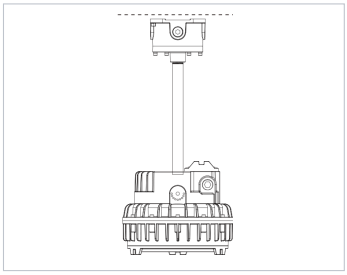
1. Ceiling / U-bracket



2. Pole (25°)



3. Pendant / jib



4. Pole + junction box

Ordering Guide

Example: HLSS-V-100W-S1-D-50-D90-FF-P25

#	Field	Options
1	**Model**	HLSS-V (S Series hazardous location luminaire)
2	**Input wattage**	S1: 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100W S2: 20 to 200W in 10W steps
3	**Luminaire size**	S1 = Ø270 mm housing (225 / 241 mm length) S2 = Ø336 mm housing (284 / 302 mm length)
4	**Dimming**	D = Dimmable Blank = No dimming function
5	**CCT**	30 = 3000K 40 = 4000K 50 = 5000K 57 = 5700K 65 = 6500K
6	**Beam angle**	D40 = 40° D60 = 60° D90 = 90° D120 = 120°
7	**Glass type**	Blank = Clear flat FF = Frosted flat CC = Clear convex FC = Frosted convex
8	**Installation**	P90 = Pole mount (90°) P25 = Pole mount (25°) J = Jib mount Blank = U-bracket mount

Disclaimer:
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