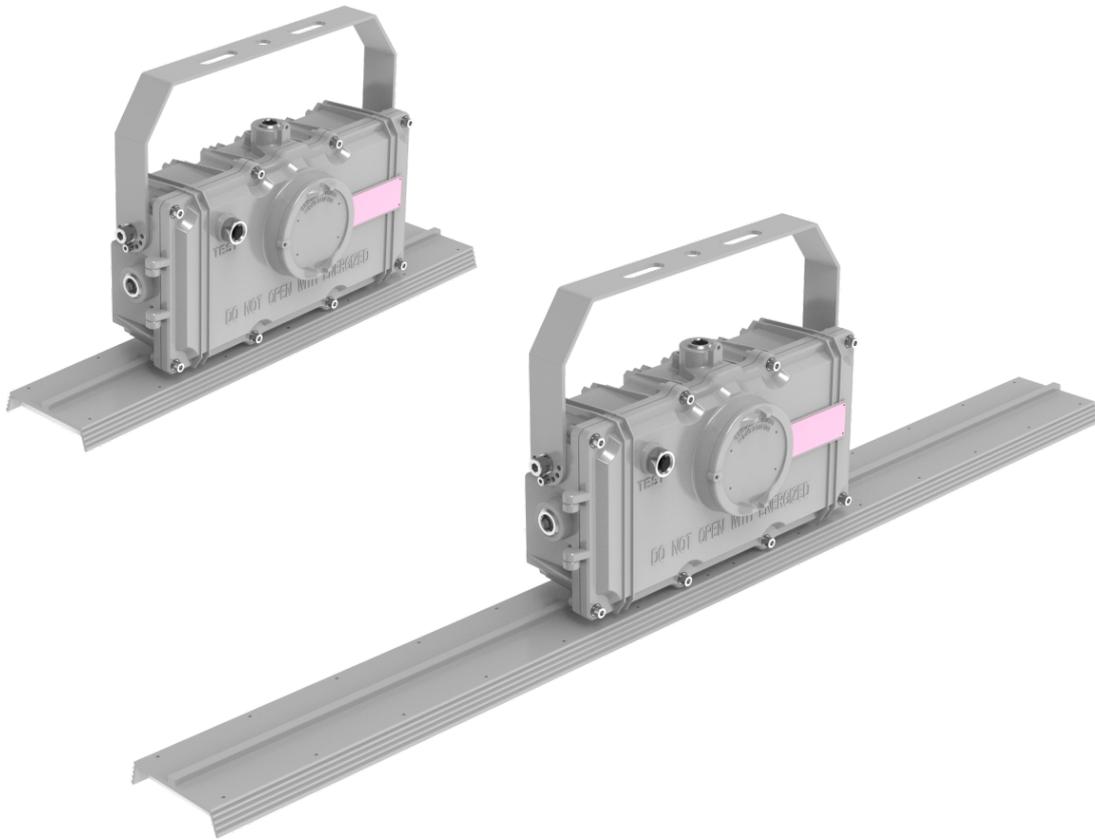


*Hazardous Location LED Luminaire  
H Series (for North America)*

## Explosion-proof Light H Series (for North America)



## Product Description

The H Series LED luminaire is the ideal choice for marine and hazardous applications where a linear design is required. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected.

## Features

- 0-10V dimming
- Emergency function optional
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08/IK10 certified
- Copper-free aluminum housing, great corrosion resistance and cooling performance

## Explosion-proof Light H Series (for North America)

### Compliance

UL 844 Hazardous Locations  
 Class I Division 2, Group A, B, C, D  
 Class II Division 2, Group F, G  
 Class III  
 Class I, Zone 2, Group IIC  
 Class II, Zone 21, Group IIIC  
 UL 1598 Wet Locations  
 UL 1598A Marine Outside Type  
 UL 924 Emergency Lighting  
 CSA C22.2#250.0:2021 Ed.5  
 CSA C22.2#137:2018 Ed.2  
 ETL (ATM for Report 105342415DAL-001) ABS  
 DLC\*  
 IP66  
 IK08 (glass cover)  
 IK10 (with wire guard)  
 1000 hours salt spray  
 \*Not all product variations listed on this spec sheet are  
 DLC qualified. Visit [www.designlights.org/search](http://www.designlights.org/search) to confirm qualification.



### Application

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility ● Metallurgical Industry
- Coal Mine
- Food and Alcohol industry



### Warranty

5-Year Standard Warranty  
 LED lumen Maintenance: L70> 150,000 Operation Hours@55°C

## Ordering Guide

MODEL	VOLATGE	WATTAGE	ENCLOSER HEATSINK
JLS-G2EP-LN	277 = 120-277V 480 = 277-480V	H2/H2U : 20/30/40/50/60/70/80/100W H4/H4U : 40/60/80/100/120/150/180/200W	H2 = H2 Encloser Heatsink H4 = H4 Encloser Heatsink

DIMMING	CCT	BEAM ANGLE	DIFFUSER	DRIVER BOX COVER
N = Non-dimmable D = Dimmable	720 = 2000K 730 = 3000K 740 = 4000K 750 = 5000K 757 = 5700K 765 = 6500K 775 = 7500K	D40 = 40 degree D60 = 60 degree D90 = 90 degree D120 = 120 degree T2 = T2 degree T3 = T3 degree T4 = T4 degree	CCP = Clear Convex PC FCP = Frosted Convex PC	B = Driver Box Cover B D = Driver Box Cover D

LED TYPE	INTERNAL CODE
1 = SMD 2835 2 = SMD 5050	H2/H2U : 1, 2, 3, 4, 5, 6 or 7 H4/H4U : 1, 2, 3, 4, 5 or 6



Driver Housing A



Driver Housing B



Driver Housing C



Driver Housing D



Driver Housing E



Heat Sink H2

Heat Sink H2U



Heat Sink H4

Heat Sink H4U

## Explosion-proof Light H Series (for North America)

### Ordering Guide

#### • Electrical

Specification	JLS-G2EP-LN-H2 Encloser
Rated Power	20W/30W/40W/50W/60W/70W/80W/100W
Input Voltage	100-277/200-480VAC, 12-36VDC
Input Frequency	50/60Hz
Power Factor	>0.95
Emergency Time*	3 hours

\*Emergency function optional.

#### • Optical

Specification	JLS-G2EP-LN-H2 Encloser
Lumen Output	2800lm-14000lm
Lumens Per Watt	140lm/W(for clear cover) / 108lm/W(for frosted PC cover)
CCT	2000K-7500K
CRI	>70
Beam Angle	120°
Dimming	0-10V dimming

#### • Environmental

Specification	JLS-G2EP-LN-H2 Encloser
Ambient Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Temperature Code	T4/T4A/T5/T6

#### • Mechanical

Specification	JLS-G2EP-LN-H2 Encloser	
Housing Material	Copper-free aluminum	
Diffuser	Clear flat glass/ Frosted flat glass/ Clear flat PC/ Frost flat PC/ Clear Convex PC/ Frost Convex PC	
Hardware	Stainless steel	
Protection	IP66/IK08 (glass cover)/IK10 (with wire guard)/1000 hours salt spray	
Surge Protection	6Kv (standard)/10Kv (optional)	
Mounting	Ceiling, Wall, Pole, Pendant	
Cable Entries	Regular Model	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2 NPT
	Side Opening Cover Model	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2 NPT; plug or cable entry optional

## Explosion-proof Light H Series (for North America)

### Technical Parameter

#### • Electrical

Specification	JLS-G2EP-LN-H4 Encloser
Rated Power	40W/60W/80W/100W/120W/150W/180W/200W
Input Voltage	100-277/200-480VAC, 12-36VDC
Input Frequency	50/60Hz
Power Factor	> 0.95
Emergency Time*	3 hours

\*Emergency function optional.

#### • Optical

Specification	JLS-G2EP-LN-H4 Encloser
Lumen Output	5600lm-28000lm
Lumens Per Watt	140lm/W(for clear cover) / 108lm/W(for frosted PC cover)
CCT	2000K-7500K
CRI	> 70
Beam Angle	120°
Dimming	0-10V dimming

#### • Environmental

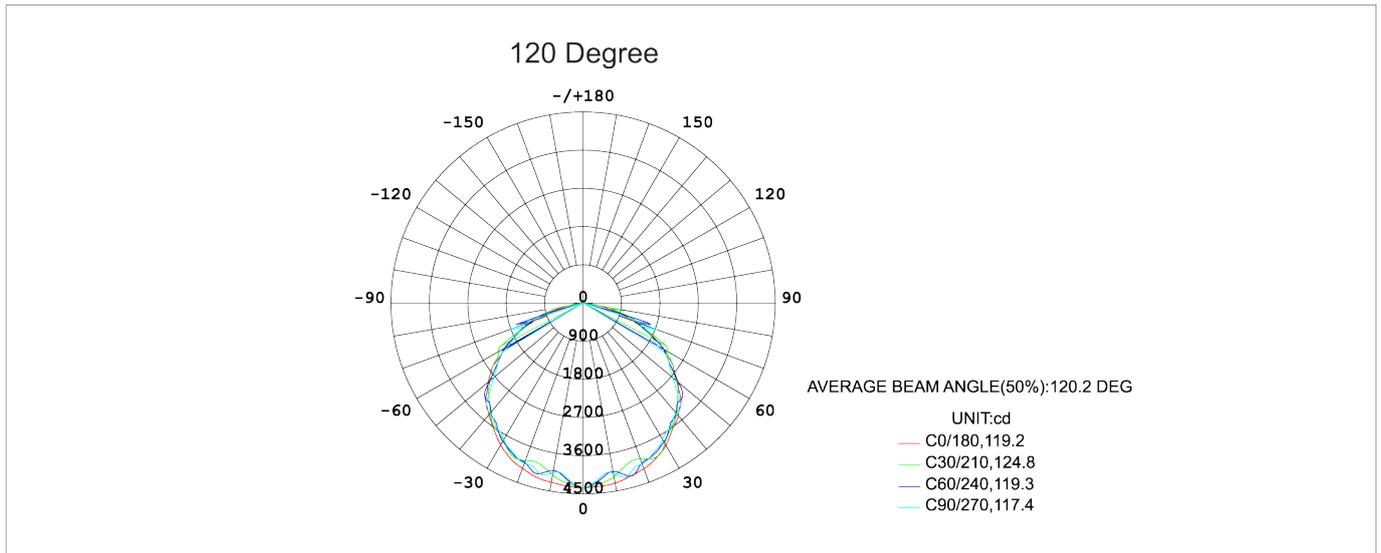
Specification	JLS-G2EP-LN-H4 Encloser
Ambient Operating Temperature	-40°C to 55°C (-40°F to 131°F)
Temperature Code	T4/T4A/T5/T6

#### • Mechanical

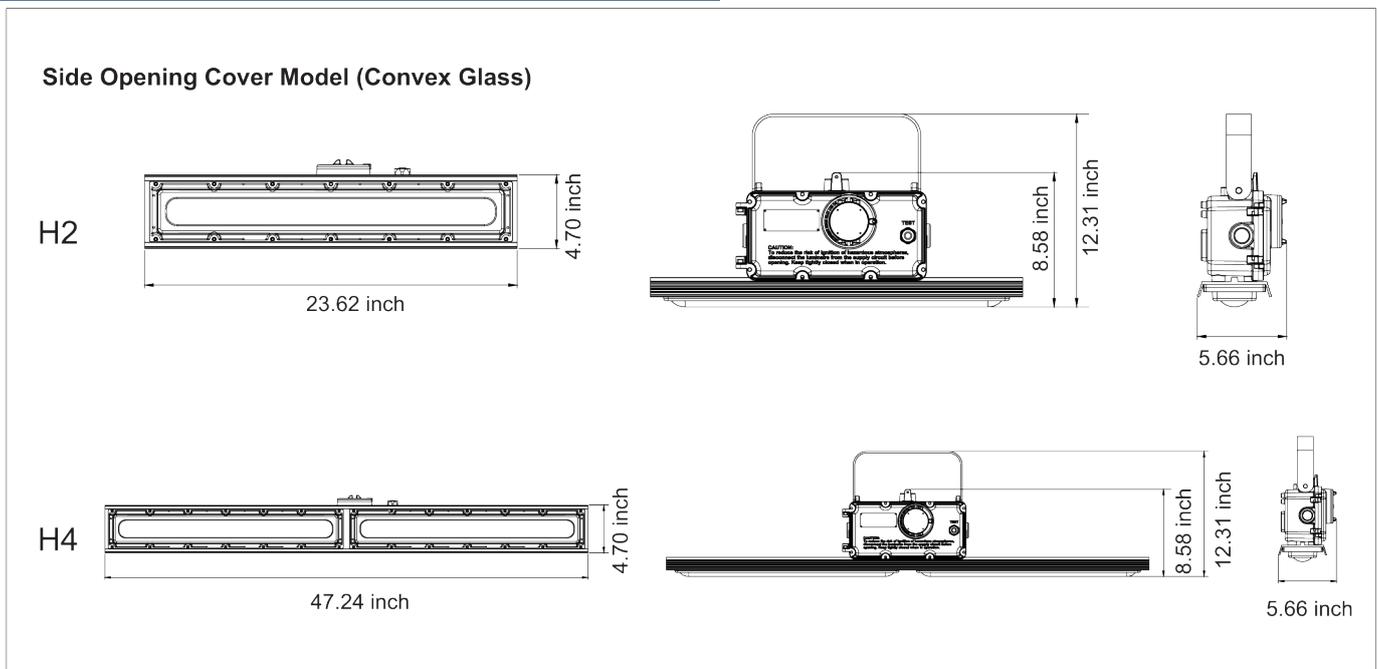
Specification	JLS-G2EP-LN-H4 Encloser	
Housing Material	Copper-free aluminum	
Diffuser	Clear flat glass/ Frosted flat glass/ Clear flat PC/ Frost flat PC/ Clear Convex PC/ Frost Convex PC	
Hardware	Stainless steel	
Protection	IP66/IK08 (glass cover)/IK10 (with wire guard)/1000 hours salt spray	
Mounting	Ceiling, Wall, Pole, Pendant	
Cable Entries	Regular Model	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2 NPT
	Side Opening Cover Model	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2 NPT; plug or cable entry optional

## Explosion-proof Light H Series (for North America)

### Photometric



### Photometric



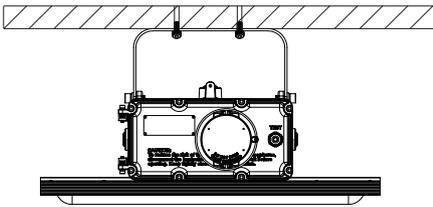
### • Packing Information

Model	Net Weight	Gross Weight	Quantity/Carton	Package Dimensions (LxWxH)
H2 (Side Opening Cover Model)	8.82 lb	22.60 lb	2 pcs	27.95x16.93x12.60inch
H4 (Side Opening Cover Model)	12.13 lb	31.97 lb	2 pcs	51.97x16.54x12.99inch

## Explosion-proof Light H Series (for North America)

### Mounting Methods and Accessories

- Option 1: Ceiling Mounting



- Accessory

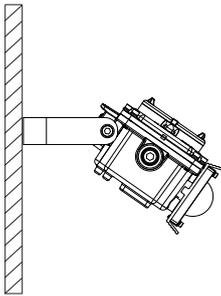


**Bracket**



**Metal Conduit**  
JLS -NG

- Option 2: Wall Mounting



- Accessory

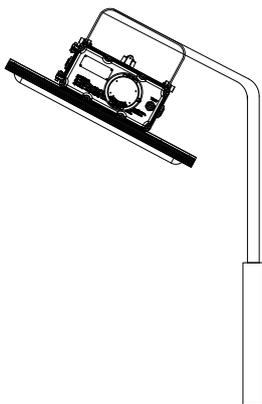


**Bracket**



**Metal Conduit**  
JLS -NG

- Option 3: Pole Mounting

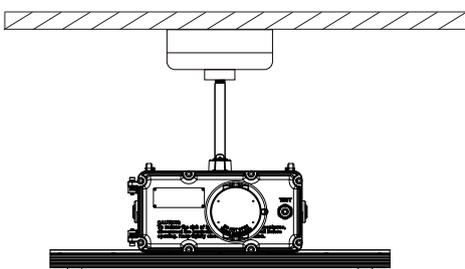


- Accessory



**Bracket**

- Option 4: Pendant Mounting



- Accessories



**Junction Box**  
JLS -HD51-KB1



**Pole**  
JLS -Straight Pipe