

JLNS-HAZ SERIES

HAZARDOUS LOCATIONS LINEAR HIGH-BAY/STRIP LINEAR VAPORTIGHT LUMINAIRE

NEC/CEC: Class I, Division 2, Groups A, B, C, and D
T-Class: T4A, T5, T6 and Damp/Wet Locations



PRODUCT DESCRIPTION

The Jademar JLNS-HAZ Linear High Bay Luminaire Series has strong exterior shell, shock-resistant, anti-vibration, and easy to operate. The 50W power explosion-proof linear lamp can provide 5000-6000lm light efficiency, suitable for use in Class I, Division 2, Groups A, B, C, and D hazardous locations.

The luminaire housing is composed of ADC12 and 6063 aluminum alloy, and the independent LED and the driver chamber with external airflow radiator provide excellent heat dissipation effect. The slender streamlined lighting design in hazardous areas allows access to limited space. IP66 protection grade, more than 50000hrs lifespan, excellent marine anti-corrosion performance, suitable for wet places and Marine environments. It has over-voltage, over-current, and surges current protection. It has a maximum length of 2ft (0.6m) and 4ft (1.2m), installation and emergency options.

STANDARD FEATURES

Construction and Materials

- Patent designed to be Curved Fin Shape, maximizing the best heat transmission
- Aluminum alloy (ADC12)
- PC Cover, shock and vibration resistant, clear with >90% light transmission

Optical System

- Light Distribution: 120°

Electrical System

- Input Power: 30W/40W/50W/60W/65W/75W
- Input Voltage: CC 120-277VAC Internal driver
- Driver Qty: (1) Sosen Series Driver
- CCT: 3000K / 4000K / 5000K
- Efficacy: up to 125 lm/W to 130 lm/W
- Power Factor: >0.95
- CRI: >70
- Operating Temp: -40°F to 140°F (-40°C to 60°C)
- Total Harmonic Distortion: <10%
- Integral Surge Protection: 4KV/6KV Surge Protection Power Supply

Certifications and Compliance

- NEC/CEC: Class I, Division 2, Groups A, B, C, and D
- T-Class: T4A, T5, T6
- cUL 844 Listed for Hazardous Locations / cUL 1598 Listed for Damp and Wet Locations / Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0;
- Ingress Protection: IP67, high protection grade for waterproof and dust-proof
- RoHS compliant
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions
- Lifetime Based on TM21: L70 ≥ 181,000 / L80 ≥ 132,000 / L90 ≥ 101,000 Hrs

SPECIFICATIONS

Input Power	30W/40W/50W/60W/65W/75W
Efficacy	130 lm/W on average
CCT	3000K / 4000K / 5000K
Input Voltage	CC 120-277VAC Internal driver
Driver Quantity	(1) SOSEN Driver
Surge Protection	4KV/6KV Surge Protection
Ingress Protection	IP67 Rated - Waterproof and Dustproof
Certifications & Compliance	cUL844 Listed for Hazardous Locations cUL1598 Listed for Damp and Wet Locations NEC/CEC: Class I, Division 2, Groups A, B, C and D; T-Class: T4A, T5, T6
Mounting Options	Pendant and Surface Mount Options
Lifetime Based on TM21	L70 ≥181,000 / L80 ≥132,000 / L90 ≥101,000
Warranty	10 Years

HAZARDOUS LOCATIONS

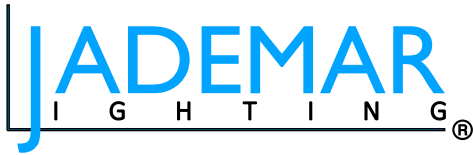
- Wastewater treatment facilities
- Oil and Gas refineries
- Drilling Rigs and Offshore Platforms
- Petrochemical facilities and Chemical plants
- Coal mines
- Aviation bases
- Food and Beverage plants
- Pharmaceutical Facilities
- Wherever flammable vapors, gases, ignitable dusts or fibers are present.



Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM



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SPECIFICATION SUBMITTAL DETAIL

PROJECT NAME:

MODEL NUMBER:

DATE:

JLNS-HAZ SERIES HAZARDOUS LOCATIONS LED STRIP LINEAR LUMINAIRE

ORDERING INFORMATION / EXAMPLE: JLNS-HAZ-2-30W-30K-PLM-GR-EM12

JLNS-HAZ						
Product Series	Length	Wattage	Input Voltage	CCT	Light Distribution	Mounting Options
JLNS-HAZ	2 2FT	30W 40W 50W	Blank 120-277VAC	30K 3000K 40K 4000K 50K 5000K	Blank 90° Beam Angle	PM Pendant Mount PLM Pole Mount SM Surface Mount SM60 Adjustable Surface Mount Bracket 60°
	4 4FT	40W 50W 60W 65W 75W				
Housing Colors	Control Options	Emergency Battery Backup	Power Cord Options	Other Options		
GR Gray YW Yellow	Blank No sensor/controls BMW Bi-Level MW Motion/Occ Sensor	EM12 12W Emergency Battery Pack Internal	Blank 6FT Power Cord Included PWC-yy Additional Power Cord Length, 120-480V) * "x" for the desired length and "yy" for cord color	Blank Not BAA BAA Buy American Act *		

*Selected SKUs Only

* See price book for ordering details

LUMEN PERFORMANCE AND ELECTRICAL DATA

Product Number	JLNS-HAZ-2-30W	JLNS-HAZ-2-40W	JLNS-HAZ-2-50W	JLNS-HAZ-4-40W	JLNS-HAZ-4-50W	JLNS-HAZ-4-60W	JLNS-HAZ-4-65W	JLNS-HAZ-4-75W
Maximum Dimensions	2FT (24.8" X 4.9" X 6.6")			4FT (48.4" X 4.9" X 6.6")				
Luminaire Watts	30W	40W	50W	41W	51W	59W	66W	76W
Nominal Efficacy (lm/W)	130	129	126	136	133	125	134	126
Lumen Output (lms)	3,954	5,269	6,319	5,545	6,747	7,387	8,845	9,526
Max Weight	11.2 lbs.	11.2 lbs.	11.2 lbs.	18.7 lbs.	18.7 lbs.	18.7 lbs.	18.7 lbs.	18.7 lbs.
Input Voltage	CC 120-277VAC Internal driver							
CCT	3000K / 4000K / 5000K							
CRI	>70							
THD @ 120VAC	<10%							
Power Factor	>0.95							
Surge Protection	4KV/6KV							
Construction	Aluminum Alloy / PC Cover							
Lifetime Based on TM21	L70 ≥ 181,000 / L80 ≥ 132,000 / L90 ≥ 101,000 Hrs							
Ambient Working Temp	-40°F to 140°F (-40°C to 60°C)							
Ingress Protection	IP67 Waterproof and Dustproof							
Certifications & Compliance	cUL844 Listed for Hazardous Locations Class I, Division 2, Groups A, B, C, and D; T-Class: T4A, T5, T6							
Limited Warranty	10 Yrs							

T-CLASS AMBIENT TEMPERATURE RANGE			
Model Number	CLASS 1		
	-40°C ~ 45°C -40°F ~ 113°F	-40°C ~ 50°C -40°F ~ 122°F	-40°C ~ 55°C -40°F ~ 131°F
JLNS-HAZ-2-30W	T5	T4A	T4A
JLNS-HAZ-2-40W	T5	T4A	T4A
JLNS-HAZ-2-50W	T5	T4A	T4A
JLNS-HAZ-4-40W	T5	T4A	T4A
JLNS-HAZ-4-50W	T6	T5	T5
JLNS-HAZ-4-60W	T6	T5	T5
JLNS-HAZ-4-65W	T6	T5	T5
JLNS-HAZ-4-75W	T6	T5	T5

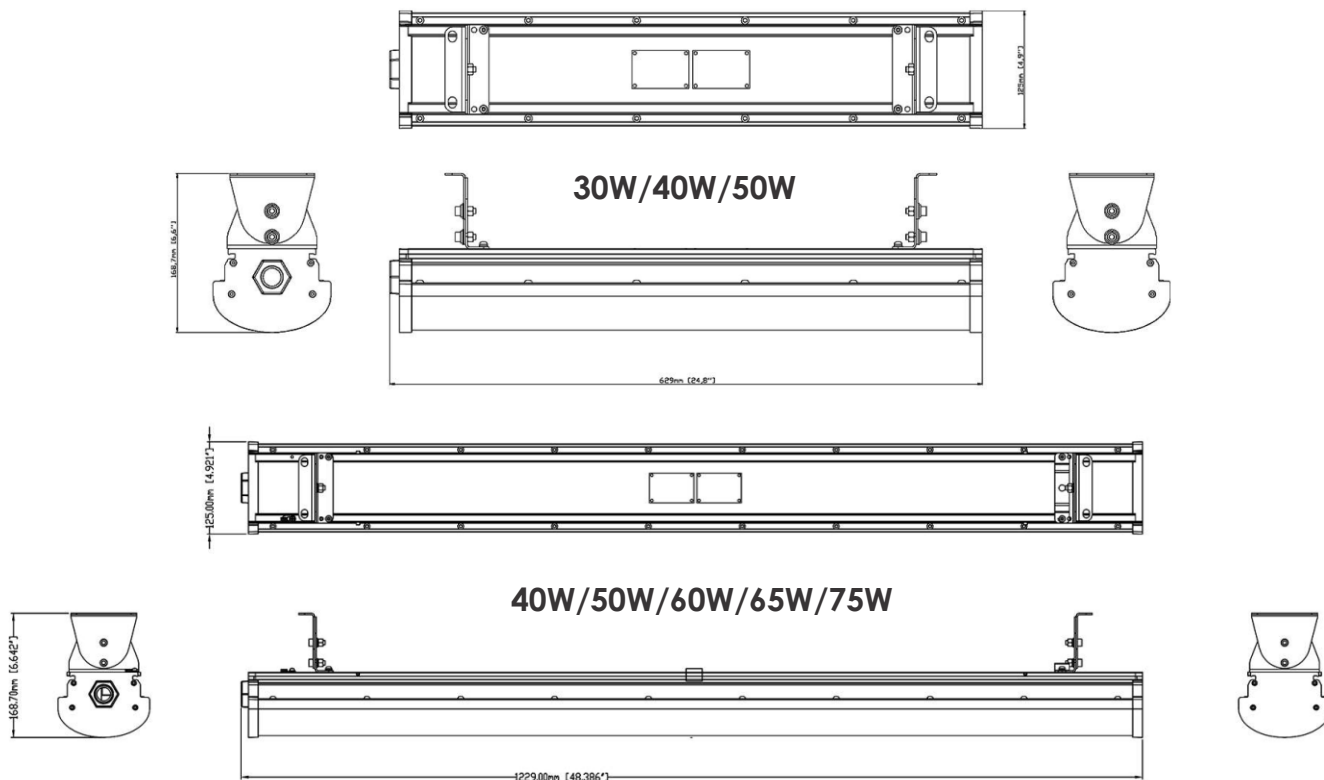


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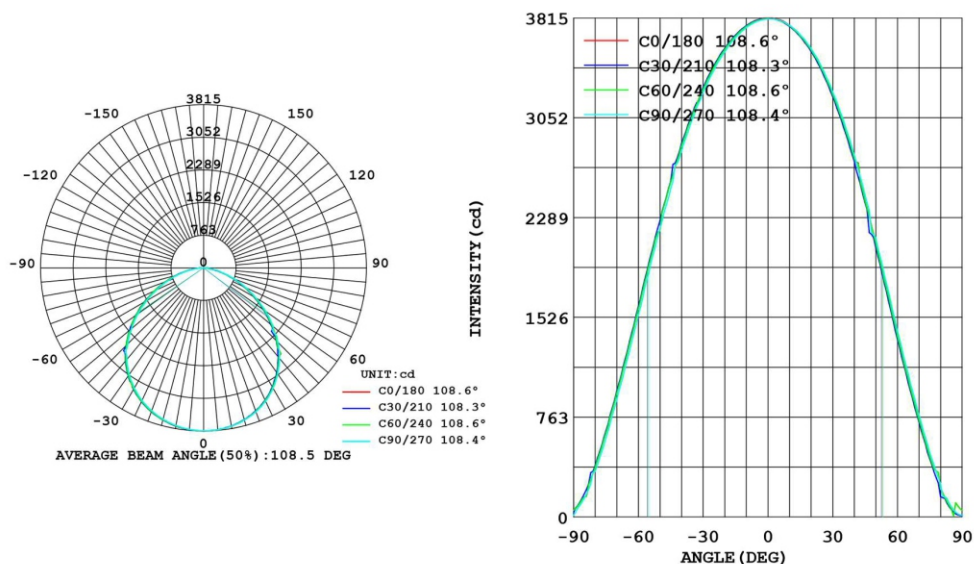


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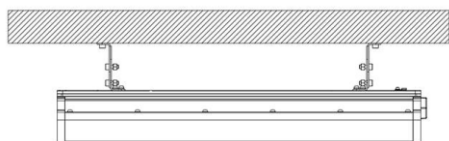
PRODUCT DIMENSIONS



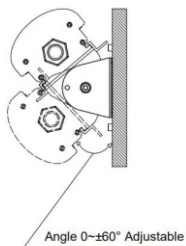
PHOTOMETRY



MOUNTING INSTALLATION OPTIONS

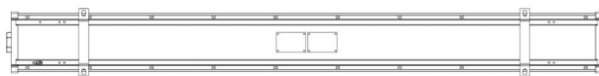


CEILING MOUNT

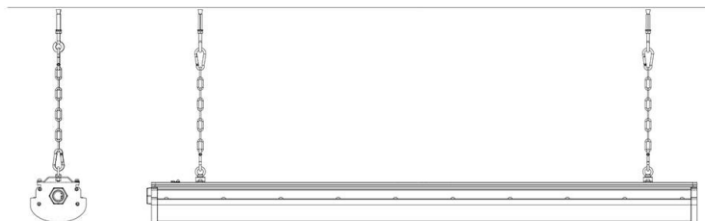


WALL MOUNT

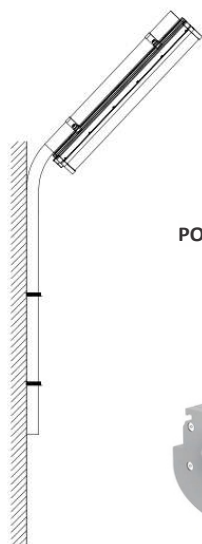
SM60 - 60 DEGREES ADJUSTABLE
WALL / CEILING / SURFACE MOUNT



SM - SURFACE / CEILING / WALL MOUNT



PENDANT MOUNT



POLE MOUNT

