LED HAZARDOUS LOCATION ROUND LUMINAIRES - JLS-G2EP-RHB Series

DESCRIPTION

JLS-G2EP-RHB series lighting products feature excellent design, high performance and durability, designed for complex and hazardous work scenarios. With an ingenious design and a solid internal structure, it readily accommodates diverse installation needs, fitting seamlessly into industrial plants and port docks alike. The durable cast aluminum housing, enhanced by a long-lasting epoxy coating, paired with a high-quality tempered glass lens, grants it exceptional weather resistance and a prolonged lifespan, providing a reliable lighting option that endures.

FEATURES

- High-efficiency LED system delivering 4,300–17,800 lumens.
- Selectable CCT: 3000K, 4000K, and 5000K.
- 120–347 VAC or 277–480 VAC.
- 0–10V dimming with 10%–100% dimming range.
- Optional microwave motion sensor with photocell.
- Estimated L70 LED lifespan of ≥100,000 hours.
- Five-year limited warranty.



TAA COMPLIANT · UL CERTIFIED · WET LOCATION · 5 YEAR LIMITED WARRANTY · IP66 · IK10 · IK08 · CCT SELECTABLE · POWER SELECTABLE

Revised 11/10/2026

Specifications are typical values and may change without notification

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SPECIFICATIONS

Construction	Robust cast aluminum housing with low copper content that withstands harsh or hostile environments; Durable 1,000-hour salt-fog finish (extends service life in corrosive environments).
	The engineered rear-mounted heat sink ensures optimal heat dissipation.
	The LED housing is hermetically sealed against moisture and contaminants, with an IP66 rating.
	Highly resistant to both shock and vibration.
	IK10 protection level can be achieved by using a wire guard.
Optics	Available in lumen packages with lumen output ranging from 4,300lm to 17,800lm.
	Tempered glass possesses remarkable resistance to elevated temperatures.
	Highly engineered LED system ensures superior uniformity and maximizes spacing.
LED Module	Light engines are available in two configurations: selectable CCT (3000K, 4000K, 5000K) or customized CCT.
	CRI>70.
Controls	Microwave sensor (with photocell) optional.
	Emergency battery is optional.
Mounting	Trunnion Mount (default).
	Ceiling Mount (optional).
	Hoop Clamp Mount (optional).
	Pendant Mount (optional).
	Pendant Mount With Box (optional).
	Round Pole Mount (optional).
	Round Pole Mount (115°) (optional).
	Wall Mount (optional).
	Wall Mount (115°) (optional).
	Wall Mount (115° Pole) (optional).
Electrical	Universal 120-347 VAC or 277-480 VAC input voltage.
	4-level wattage selectable: 100%-80%-60%-40% (60W & 100W, 277-480 VAC); 100%-85%-72%-65% (100W, 120-347 VAC).
	0-10V dimming driver with 10% - 100% dimming range.
	Power factor: > 0.90, THD<20%.
	NEC/CE T-CODE: 60W Normal: T4A(+65°C), T5(+55°C)
	60W Emergency: T6(+40°C)
	100W 34V Normal: T4A(+60°C)
	100W 34V Emergency: T5(+40°C)
	100W 48V Normal: T4(+65°C), T4A(+55°C)
Lifespan	Estimated L70 ≥100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations at 25℃.
Certifications	Marking UL844 (North American): Class I Division2 Groups A B C D
	Class II Division1 Groups E F G
	Class II Division2 Groups F G
	Class III
	Electric lighting fixtures for use in hazardous (classified) locations.
	UL844, UL1598, UL1598A.
	Ingress Protection: IP66 (wet location).
Warranty	Five-year limited warranty.
Note	Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25℃ (±5℃). Specifications subject to change without notice.

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ORDERING GUIDE

Model	-	Wattage	-	Input Voltage	-	CCT	-	Finish	-	Intelligent Control	-	Light Distribution	-	Mounting	-	Designation
JLS-G2EP-RHB		**P60=**60/48/36/24W **P100=**100/85/72/65W **P100=**100/80/60/40W (*480V)		**347**: 120-347V **480**: 277-480V		**MCCT** = 3000K/4000K/5000K		**GS** Gray Sand **Y** Yellow		**Blank** Null **M** Motion Sensor **P** Photocell **B** Emergency battery (5~60℃) **MB** Motion Sensor + Emergency battery **PM** Motion Sensor + Photocell **PB** Photocell + Emergency battery **PMB** Motion Sensor + Photocell + Emergency battery		**60** 60 Degree **ML** 90 Degree **WL** 120 Degree		**TR** Trunnion Mount **CM** Ceiling Mount **HM** Hoop Clamp Mount **PE** Pendant Mount **PE1** Pendant Mount With Box **PM** Round Pole Mount **PM1** Round Pole Mount (115°) **WM** Wall Mount **WM1** Wall Mount (115°) **WM3** Wall Mount (115° Pole)		**[TAA]**

CCT & WATTAGE SELECTABLE



Wattage selectable: LV1-LV2-LV3-LV4
CCT selectable: 3000K, 4000K, 5000K

QUICK INSTALLATION



Contractor-friendly design is ideal for both retrofit and new construction applications.

The quick-connect design enables easy installation: simply wire the mounting module, then screw in the luminaire. 2-start Acme threads save time.

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LED HAZARDOUS LOCATION ROUND LUMINAIRES

NEC HAZARDOUS LOCATION CLASSIFICATION

Hazard Category	Regional Category	Classifications	Representative Gases / Material	Division Group	Applications
Class I (Flammable gases, vapors)	Division 1	Gas category	Acetylene	A	Hazardous locations with flammable gases or vapors, including: Oil and gas industry; All oil production and refining; Oil loading and transportation; Oil storage and retailing; Liquefied natural gas industry; All mining operations and services
			Hydrogen	B	
	Division 2		Vinyl	C	
			Methane	D	
Class II (Flammable dust)	Division 1	Dust category	Metal dust	E	Hazardous locations with flammable gases or vapors, including: Highly dusty industries; Flour and fine particle production and storage; Metal smelting, casting and fabrication; Coal gathering indus-
			Coal dust	F	
	Division 2		Grain dust	G	
Class III (Flammable fiber)	Division 1	Fibers and Flyings	Man-made fibers, lint fibers	/	Hazardous locations with flammable fibers, including: Textile industry; Garment factories
	Division 2				

Notes:
Division 1: Flammable concentrations may exist for long periods of time or under normal operating conditions.
Division 2: Flammable concentrations may not exist under normal operating conditions

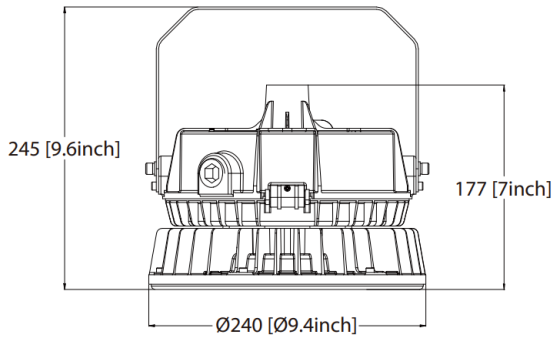
ELECTRICAL DATA

Number of Drivers	Driver Output Current	Nominal Power (W)	Input Voltage (V)	Input Current (Amps)
1	280	60	120	0.50
			208	0.29
			240	0.25
			277	0.22
			347	0.17
1	450	100	120	0.83
			208	0.48
			240	0.42
			277	0.36
			347	0.29
			480	0.21

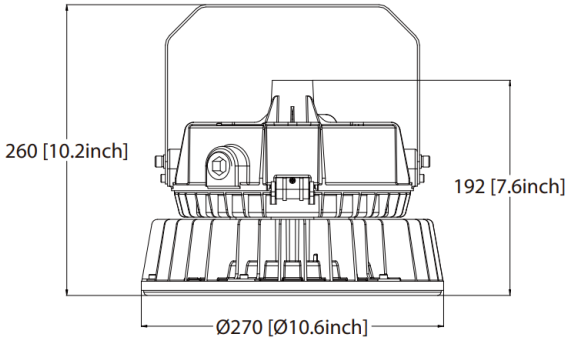
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DIMENSION Unit: mm/inch



60W



100W

PERFORMANCE DATA

60W

Setting	System Watts	Voltage	3000K		4000K		5000K	
			Lumens	LPW		LPW	Lumens	LPW
LV1	60W	120-347 VAC	10400lm	173lm/W	11200lm	188lm/W	10900lm	181lm/W
LV2	48W	120-347 VAC	8500lm	177lm/W	9000lm	189lm/W	8000lm	184lm/W
LV3	36W	120-347 VAC	6500lm	181lm/W	6800lm	190lm/W	6700lm	186lm/W
LV4	24W	120-347 VAC	4300lm	181lm/W	4400lm	186lm/W	4400lm	186lm/W

100W / 120-347 VAC

Setting	System Watts	Voltage	3000K		4000K		5000K	
			Lumens	LPW		LPW	Lumens	LPW
LV1	100W	120-347 VAC	15500lm	155lm/W	17400lm	174lm/W	15700lm	157lm/W
LV2	85W	120-347 VAC	13700lm	161lm/W	15000lm	177lm/W	13800lm	162lm/W
LV3	72W	120-347 VAC	11900lm	165lm/W	13000lm	180lm/W	12000lm	166lm/W
LV4	65W	120-347 VAC	10900lm	168lm/W	11800lm	182lm/W	11000lm	169lm/W

100W / 277-480 VAC

Setting	System Watts	Voltage	3000K		4000K		5000K	
			Lumens	LPW		LPW	Lumens	LPW
LV1	100W	277-480 VAC	15700lm	157lm/W	17800lm	178lm/W	16300lm	163lm/W
LV2	80W	277-480 VAC	12900lm	161lm/W	14800lm	185lm/W	13400lm	168lm/W
LV3	60W	277-480 VAC	10000lm	167lm/W	11400lm	190lm/W	10400lm	174lm/W
LV4	40W	277-480 VAC	6900lm	173lm/W	7800lm	196lm/W	7200lm	180lm/W

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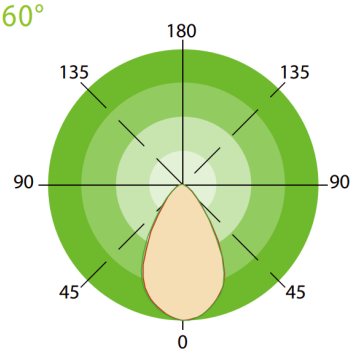
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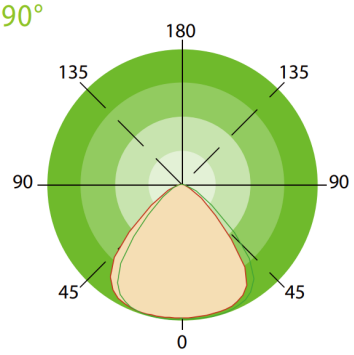
PHOTOMETRICS

Various optics are designed for a specific purpose and cover all your application needs.

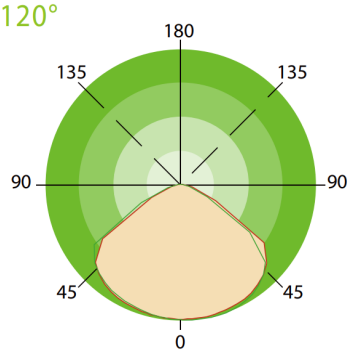
60°



90°



120°

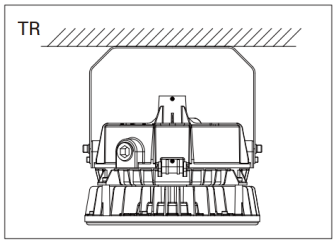


ACCESSORIES — OPTIONAL

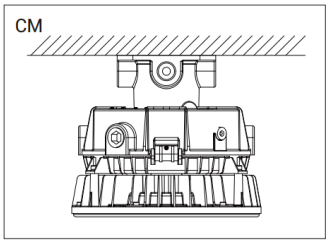
	**External Sensor**		**Emergency Battery** BLD-EX-AE08S-300Y 8W, 90min
	**Wire Guard for Flat Glass**		**90° Mount Arm with Box** Suitable forWall Mount
	**90° Mount Arm with Pole Support** Suitable for Round Pole Mount Optional threads: NPT2"-11.5, NPT1-1/2"-11.5, NPT1-1/4"-11.5.		**115° Direct Mount Arm with Box** Suitable for Wall Mount (115°)
	**115° Direct Mount Arm with Pole Support** Suitable for Round Pole Mount (115°) Optional threads: NPT2"-11.5, NPT1-1/2"-11.5, NPT1-1/4"-11.5.		**Hooping** Suitable for Hoop Clamp Mount
	**Straight Pipe with Box** Suitable for Pendant Mount with Box Optional threads: NPT3/4"-14.		**Straight Pipe** Suitable for Pendant Mount Optional threads: NPT3/4"-14, NPT1/2"-14.
	**115° Bended Pipe with Box** Suitable for Wall Mount (115° Pole) Optional threads: NPT3/4"-14.		

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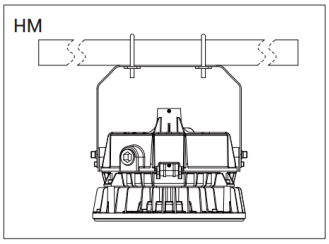
MOUNTING



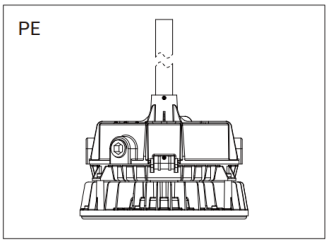
Trunnion Mount



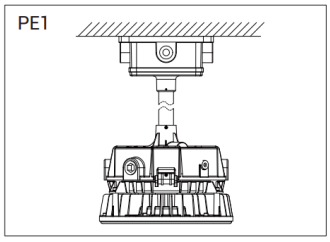
Ceiling Mount



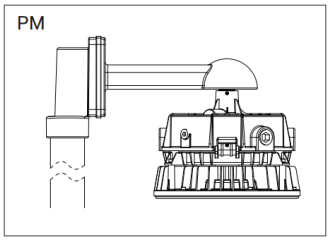
Hoop Clamp Mount



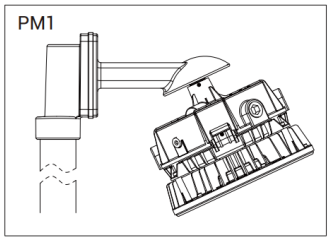
Pendant Mount



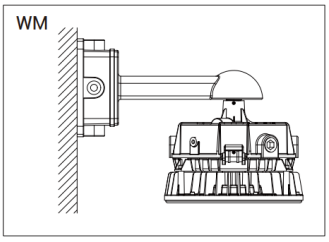
Pendant Mount with Box



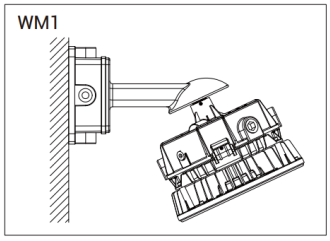
Round Pole Mount



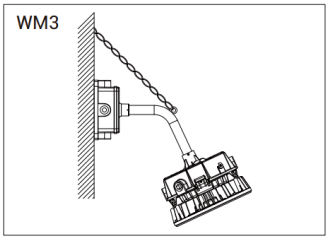
Round Pole Mount (115°)



Wall Mount



Wall Mount (115°)



Wall Mount (115° Pole)