

XARIS™

LED Explosion Proof Lighting

XARIS lightweight, high-performance LED explosion-proof lighting is specifically engineered for installation in environments where flammable gases, vapors, or dust are present in quantities that pose a potential risk of explosion or fire.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations
- Class I Division 1, Groups B, C, D
- Class I Division 2, Groups A, B, C, D
- Class II Division 2, Groups F, G
- Class III
- Class I, Zone 1, Group IIB
- Class I, Zone 2, Group IIC

CSA C22.2 No.137
CSA C22.2 No. 250.0:21
UL 1598 Wet Locations
UL 1598A Marine Outside Type (Salt Water)
UL 8750 LED Safety
FCC
IP66/67 | IK09 | 5G | NEMA 4X

Features

- Low profile design, balanced well in weight, safety and durability.
- Copper-free aluminum housing
- Corrosion resistant baked powder epoxy/polyester
- Integrated AC-In technology
- High ambient temperatures up to +80°C
- High Efficiency LED delivers up to 150 lm/W
- Universal mounting accessories for easy retrofitting
- Resistant up to 2,000 PSI of hose directed water
- Tested 1000hrs salt spray to standard ASTM"B117-11"
- Lumen Maintenance 150,000hours @L70

Warranty

5-year limited system warranty
Lumen Maintenance: L70 › 150,000 hours @ 25°C

Technical Data

Electrical

Rated Power	40 / 60 / 80 / 100 / 150 / 200W
Input Voltage	AC120V / 277V / 347V / 480V
Input Frequency	50/60Hz
Power Factor	› 0.95
Driver Efficiency	≥ 90%
Surge Protection	4kV standard

Optical

Lumen Output	6,000lm ~ 3,0000lm
Luminous Efficacy	150 lm/W
Beam Angle	110°
CCT	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

Environmental

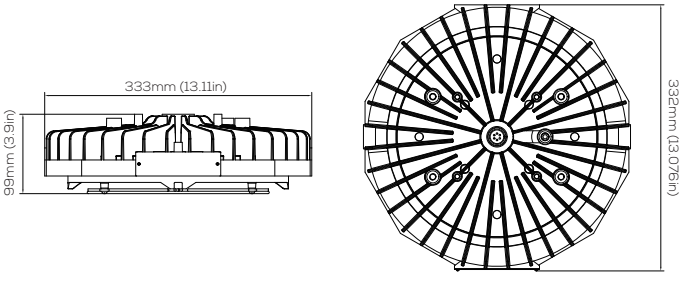
Ambient Operating Temperature	-40°C~+80°C -40°C~+65°C (200W)
Ambient Operating Humidity	10%~90% RH
Atmospheric pressure	86~106KPa
T-Code(NEC/CEC)	Pending

Technical

Lens Material	Tempered glass
Mounting Options	Pendant / Ceiling / Wall mount / Stanchion / U-Bracket
Cable Entries	3/4" NPT
Net Weight	4.7kg (10.36 lbs)

Dimensions

unit: mm(in)



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Ordering Information and Mounting Accessories

XAR	-	EX	-	OSM	-	TG	-	RV	-	110	-	5K	-	80	-	S	-	XXX

Model	Type	Mount Style	Lens	Voltage	Optics	Color Temp	Power	Color	Accessories
	CID1	**PM** – Pendant mount (3/4" NPT) **SBP** - Swivel Bracket Pendant **WM** - Wall mount 90° **WA** - Wall mount 25° **SS** - Stanchion-90° (1-1/4" NPT) **SSB** - Stanchion-90° (1-1/2" NPT) **SA** - Stanchion-25° (1-1/4" NPT) **SAB** - Stanchion-25° (1-1/2" NPT) **CJB** - Ceiling junction box	**TG** - Clear glass **FG** - Frosted glass	**RV1** - 120 VAC **RV2** - 277 VAC **HV3** - 347 VAC **HV4** - 480 VAC	**110** - 110°	**3K** - 3000K **4K** - 4000K **5K** - 5000K **AM** - Amber	**40W** - 6,000 lm **60W** - 9,000 lm **80W** - 12,000 lm **100W** - 15,000 lm **150W** - 22,500 lm **200W** - 30,000 lm	S - Silver	**SC1** **PBC48** **PBC60** **CAB** **CGL** **PS** **SB1**

Mounting Options



PM (Standrad)
Pendant mount
3/4" NPT



SB
Swivel bracket
3/4" NPT



WM
Wall mount 90°
3/4" NPT



WA
Wall mount 25°
3/4" NPT



SS
Stanchion mount 90°
1-1/4"NPT



SA
Stanchion mount 25°
1-1/4"NPT



CJB
Ceiling junction box
3/4"NPT

SSB
Stanchion mount 90°
1-1/2"NPT

SAB
Stanchion mount 25°
1-1/2"NPT

Accessories



PBC48
Pipe clamp (M8*48mm)
for pole ø 1-7/8"



SC1
Stainless steel
safety cable
Φ8 (4mm)



CAB
3' SEOOW-18/3 Cord
(Factory installed)
Applicable to C1D2



CGL
Cable gland
3/4" NPT
Suitable for C1D2



PBC60
Pipe clamp (M8*60mm)
for pole ø 2-3/8"



PS
Pole stanchion
2-3/8" (60mm)



SB1
Swivel bracket
3/4" NPT

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