HAZARDOUS LOCATION LED LUMINAIRE
EX-HTA Spec Sheet



EX-HTA Spec Sheet

HTA Series explosion-proof LED luminaires are specifically engineered for high-temperature and high-risk industrial environments, capable of stable operation under extreme temperatures up to 110°C. Featuring a driverless IC design, the product achieves a more compact size and lighter weight, combined with an efficient heat dissipation solution to ensure stable luminous efficiency and long service life in high-temperature conditions. Certified for rigorous explosion-proof standards, the luminaire offers high-level protection against challenging conditions such as moisture, dust, corrosion, and vibration. With versatile installation options, it serves as an excellent lighting choice for demanding applications including metallurgy, petrochemicals, and offshore drilling.

Compliance

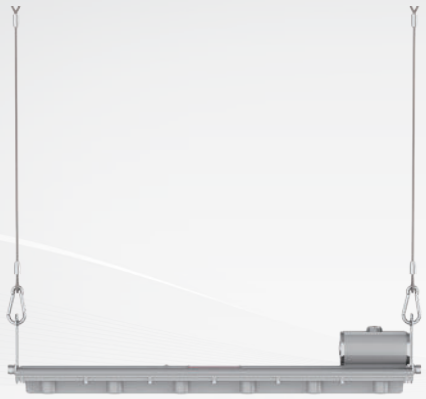
- UL 844 Hazardous Locations
  Class I Division 2, Group A, B, C, D
  Class II Division 2, Group F, G
  Class III
- UL1598 Luminaires
- Vibration 3G
- NEMA4X
- ABS
- IP66
- IK10(glass with wire guard)

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
- Food and Alcohol industry

HAZARDOUS LOCATION LED LUMINAIRE
EX-HTA Spec Sheet

Benefits & Features



- Temperature resistance from -40°C to 110°C with explosion-proof protection for harsh environments.
- Lightweight design with efficient heat dissipation for stable performance in high temperatures.
- High luminous efficiency with low energy loss for energy saving and long-term use.
- Flexible installation options with easy-maintenance structure.
- Made of corrosion-resistant and impact-resistant materials for extended durability.
- Modular design allows easy replacement, optional accessories, and is available in 2-ft and 4-ft lengths.

Key Features and Information

• Electrical

Model	EX-xxxW HTA2	EX-xxxW HTA4
Rated Power	20W/30W/40W/50W	10W/20W/30W/40W/50W/60W/80W/100W
Input Voltage	120 /277VAC	
Input Frequency	50/60Hz	
Power Factor @120V	> 0.95	
Service Life	Up to 50,000 hours	
Salt Spray	500Hours	

• Optical

Model	EX-xxxW HTA2	EX-xxxW HTA4
Lumens Per Watt	130lm/W	130lm/W
Lumen Output	2600 lm-6500 lm	1300 lm-13000 lm
CCT	1700K-7500K	
CRI	＞70	
Beam Angle	120°	
LED	Long-life, high-efficacy, discrete, surface-mount 2835 LEDs 100,000-Hour LED lifespan based on IES LM-80 results and TM-21	

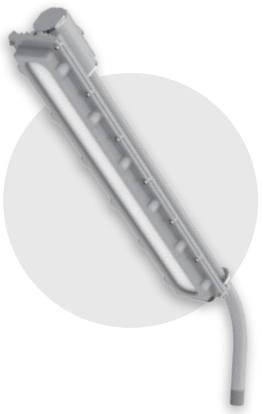


HAZARDOUS LOCATION LED LUMINAIRE
EX-HTA Spec Sheet



• Mechanical

Model	EX-xxxW HTA2/HTA4
Housing Material	Die-cast Aluminum
Diffuser Material	Frosted Glass Diffuser
Gasket Material	Silicone Rubber and Drawn Aluminum
Hardware	Stainless steel 304
Protection Rating	Ingress protection: IP66 Impack protection: IK10(glass with wire guard)
Mounting Options	U-bracket Mount (Included), Pole Mount (Purchase separately) Pendant Mount (Purchase separately)
Cable Entries	3/4" NPT
Warranty	1-year limited warranty for fixture



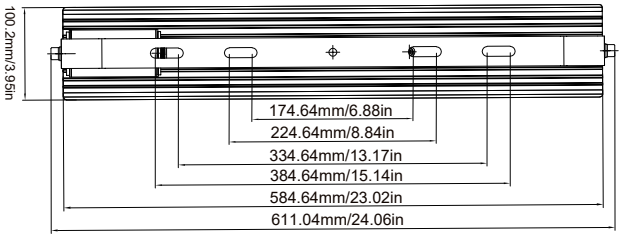
• Ambient Temperature

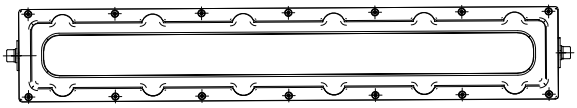
Model Series	Model	Temperature Class
HTA2 Series 120 /277VAC	HTA2-20W	T4A: -40℃ to +105℃
	HTA2-30W	T4A: -40℃ to +100℃
	HTA2-40W	T4A: -40℃ to +95℃
	HTA2-50W	T4A: -40℃ to +85℃
HTA4 Series 120 /277VAC	HTA4-10W	T4A: -40℃ to +110℃
	HTA4-20W	T4A: -40℃ to +110℃
	HTA4-30W	T4A: -40℃ to +105℃
	HTA4-40W	T4A: -40℃ to +105℃
	HTA4-50W	T4A: -40℃ to +100℃
	HTA4-60W	T4A: -40℃ to +95℃
	HTA4-80W	T4A: -40℃ to +95℃
	HTA4-100W	T4A: -40℃ to +80℃

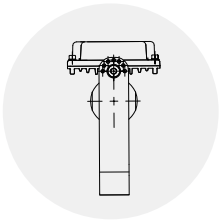
HAZARDOUS
LOCATION LED LUMINAIRE
EX-HTA Spec Sheet

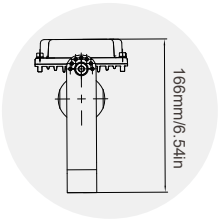
Product Dimensions Unit: mm[inch]

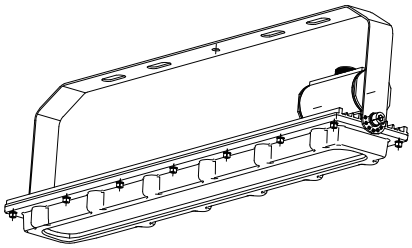
- HTA2



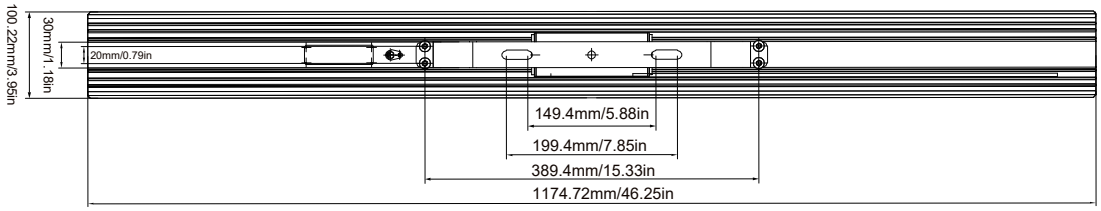


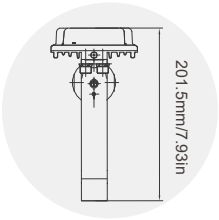


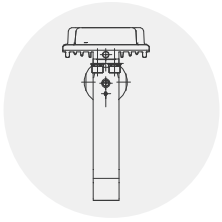


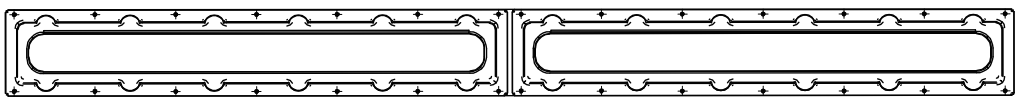


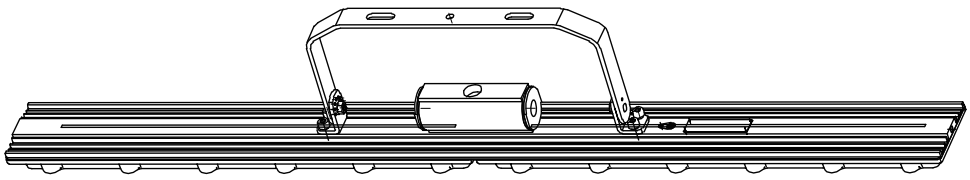
- HTA4







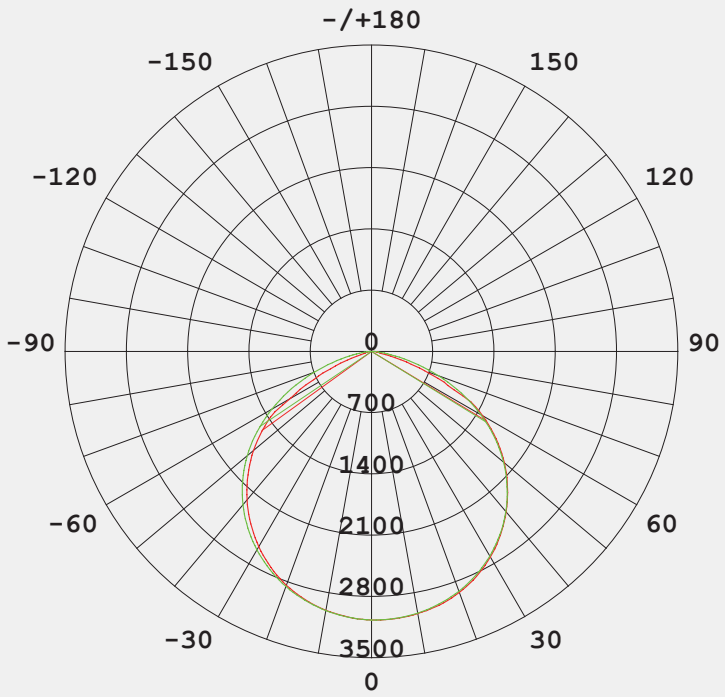




HAZARDOUS
LOCATION LED LUMINAIRE
EX-HTA Spec Sheet

Photometric

- 120 Degree

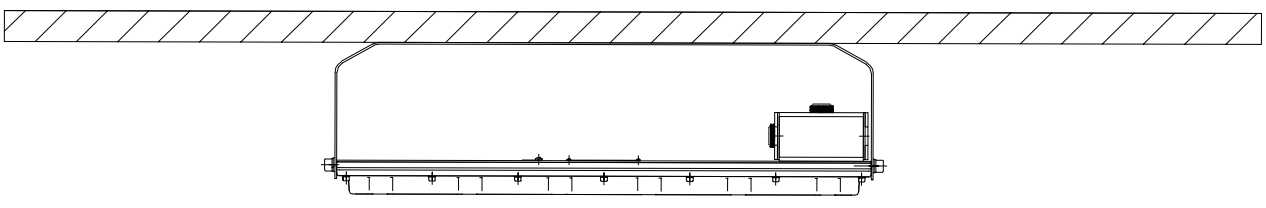


AVERAGE BEAMANGLE(50%): 113.7 DEG

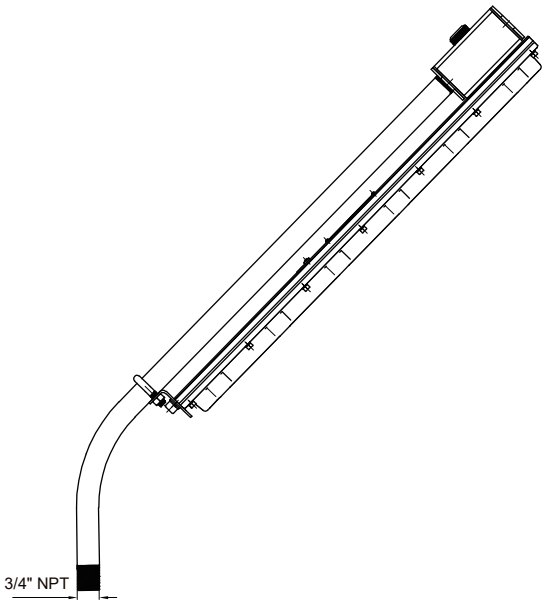
UNIT: cd
C0/180, 113.0
C90/270, 114.5

Mounting Methods (HTA2)

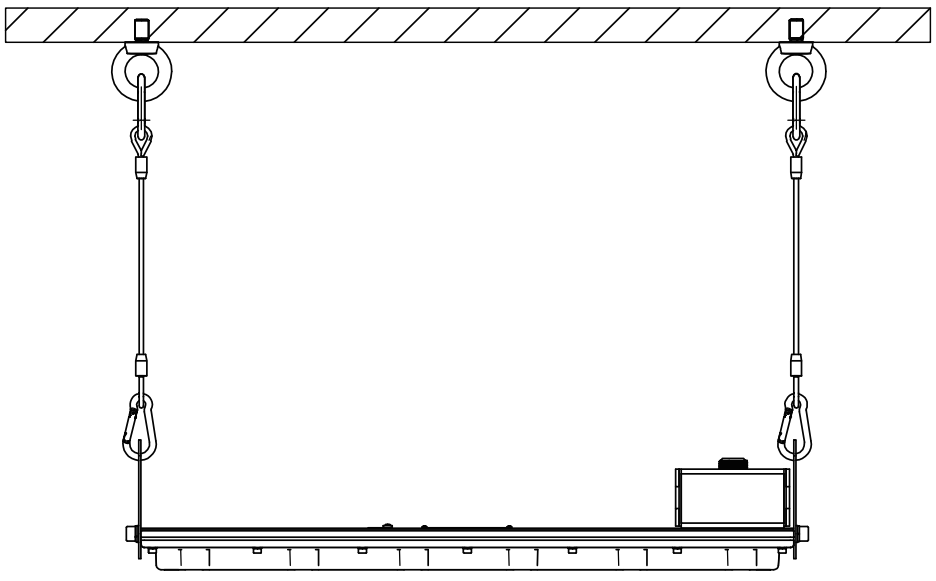
- Option 1: U-bracket Mounting (Included)



- Option 2: Pole Mounting(Purchase separately)

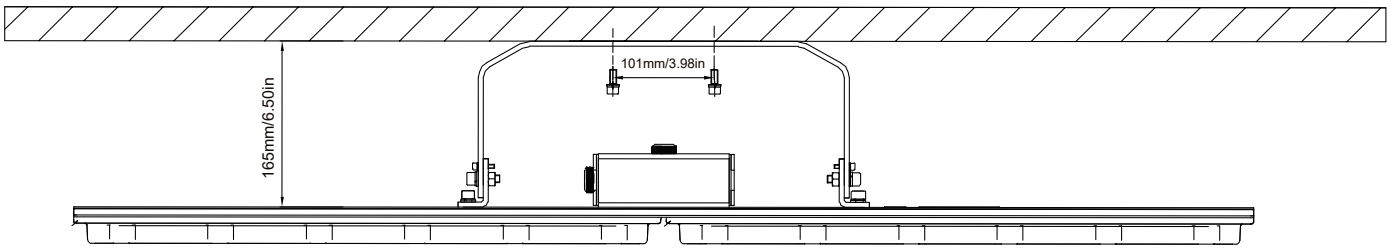


- Option 3: Pendant Mounting (Purchase separately)

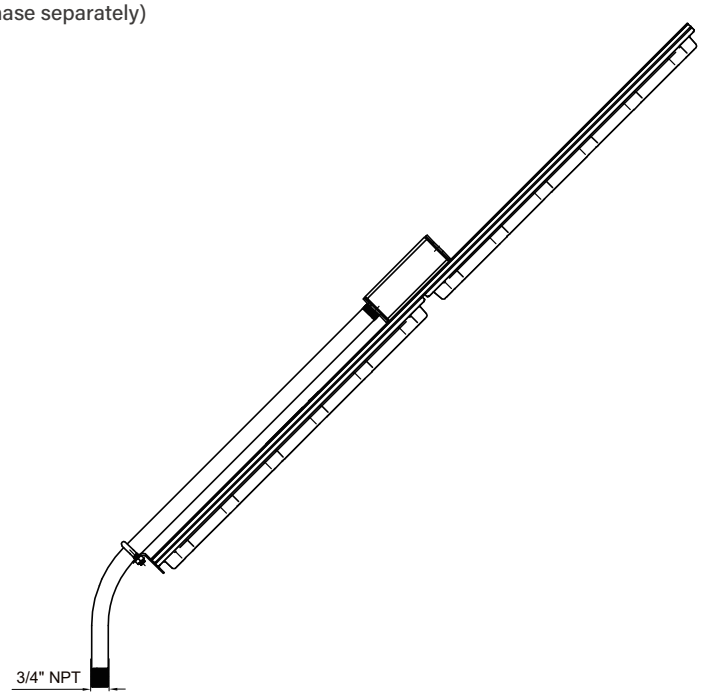


Mounting Methods (HTA4)

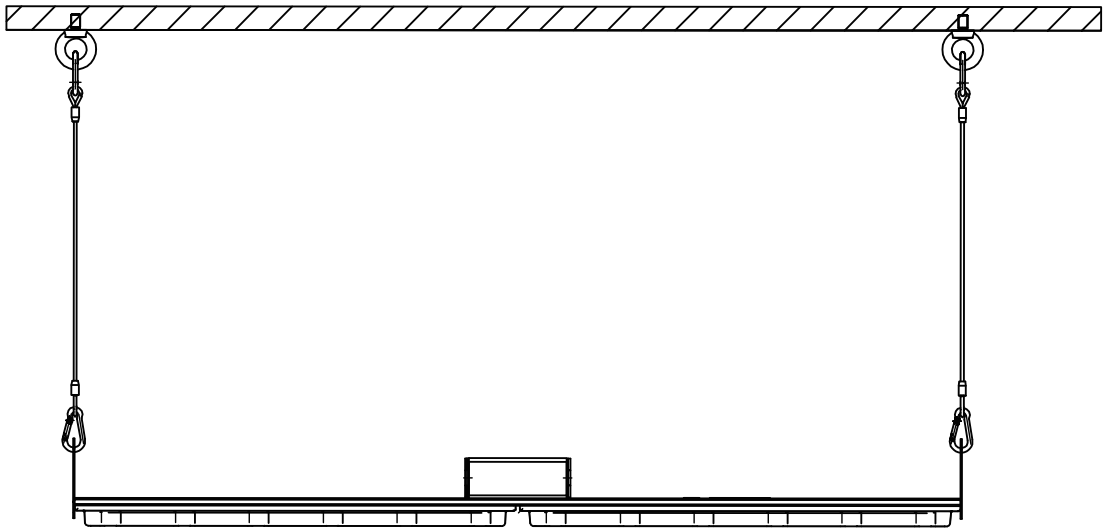
- Option 1: U-bracket Mounting (Included)



- Option 2: Pole Mounting (Purchase separately)



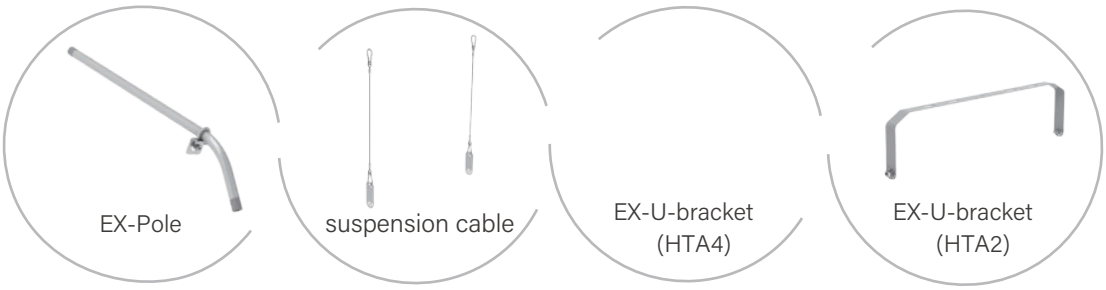
- Option 3: Pendant Mounting (Purchase separately)



Packing Information

Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
HTA2	675×195×235mm/ 26.57×7.68×9.25inch	2.45kg/5.40lb	3.39kg/7.47lb	1 pc
HTA4	1239×190×230mm/ 48.78×7.48×9.06inch	4.9kg/10.80lb	6.9kg/15.21lb	1 pc

Accessories



HAZARDOUS LOCATION LED LUMINAIRE
EX-HTA Spec Sheet

Ordering Guide

