ASTEROID SERIES

C1D2 HAZARDOUS LOCATION LINEAR

FME Lighting | ILLUMINATING INDUSTRIAL APPLICATIONS

Project:	
Type:	
Catalog #:	

UL HazLoc | 5Years Warranty | IP66 | c CSA us | UL LISTED

PRODUCT DESCRIPTION

• Available from 30W (≥3,600lm) to 75W (≥9,000lm)
• Offered with four mounting options: ceiling mount, pendant mount, pendant chain mount, wall mount, or pole mount
• Wide optics for uniform illumination
• Entry size: 3/4"-14 NPT or M25 X 1.5 or M26 X 1.5
• 50,000+ hours LED lifespan
• Class I Division 2, Groups A, B, C, and D
• Damp and wet locations
• Standard: US: UL 844; UL 1598 / Canada: CSA C22.2 No. 137; CSA C22.2 No. 250.0
• Marine Rated Option UL1598

APPLICATIONS

• Wastewater treatment plants
• Oil and gas refineries
• Drilling rigs
• Petrochemical facilities
• Food and beverage facilities
• Tunnels
• Outdoor wall/stanchion mounted general area lighting
• Wherever flammable vapors and/or gases are present

PERFORMANCE

Product	AST4-(40W~75W)	AST2-(30W~50W)
Type	LED Explosion proof Linear Light	
Mounting	Ceiling, Pendant, Pendant Chain, Wall, Pole	
Power (W)	40W 50W 60W 65W 75W	30W 40W 50W
Voltage - Frequency	100-277Vac 50-60Hz	
CCT	Provides 3000K to 6500K	
CRI (Ra) (typ.)	≥70	
Luminous Flux (lm)	120~140lm/W (3,600lm - 9,000lm)	
Bare Lamp efficacy (LPW)	140	
Beam Angle	120°	
Power Factor	>0.95	
Rated Lifetime - L70	50,000hr	
Product Size (L×W×H)	1229×125×88.7 mm (48.4×4.9×3.5")	629×125×88.7 mm (24.8×4.9×3.5")
Housing	ADC12 and 6063 Aluminum+PC	

ORDERING INFORMATION

MODEL	WATTAGE		CCT		HOUSING		OPTIONS		Cable Feed
AST2 2FT 30-50W max	A	30W	3K	3000K	GY	Gray	CLM	Ceiling Mount	S = Single End
	B	40W	4K	4000K			PNM	Pendant Mount	
	C	50W	5K	5000K			PNC	Pendant Chain	D = Double End Linkable
	D	60W	6K	6000K			WLM	Wall Mount	
AST4 4FT 40-75W max	E	65W	65K	6500K			PLM	Pole Mount	DE= Linkable End Cap
	F	75W					EM	Battery back up	
							34	3/4" NPT	
							M25	M25x1.5	
							M26	M26x1.5	
							MR	Marine Rated	

SPECIFICATIONS

UL:
Suitable for wet locations
Operating temperature: -40°C to +55°C (-40°F to 131°F)

LEDs:
Long-life, high-efficiency, surface mount LEDs

Drivers(s):
Class 2, 50/60Hz. 100 - 277V, 4kV standard, 6kV optional surge protection

Lifespan:
50,000+ hours LED lifespan based on IES LM-80 results & TM-21 calculations at 25°C, and ERP>6000h

IP Rating:
IEC60598 Ingress Protection rating of IP66 for dust and water

Housing:
Die-cast aluminum housing ADC12+6063 aluminum alloy+PC cover

Mounting:
Ceiling Mounting, Pendant Mounting, Pendant Chain Mounting, Wall Mounting, Pole Mounting

Lens:
High transmittance tempered glass

Effective Projected Area:
EPA = 0.61

CCT:
Available in 3000K-6500K color temperature

CRI:
CRI ≥70

Beam angle:
The maximum luminous beam angle 120°

Color Stability:
LED color temperature is warrantied to shift no more than 200K in CCT over a 5-years period

Color Uniformity:
FME's range of CCT (Correlated Color Tem-perature) follows the guidelines of the Ameri-can National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ERP C78.377-2017.
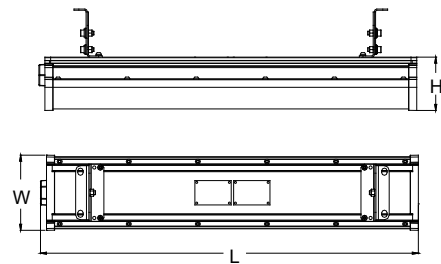
Finish:
Formulated for high durability and long-lasting color

Green Technology:
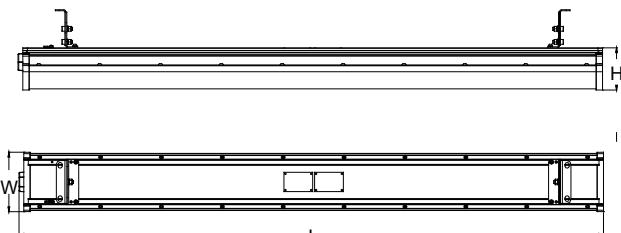Mercury and UV free. RoHS-compliant com-ponents

IESNA LM-79 Testing:
CESP LED luminaires have been tested by an independent laboratory in accordance with IESNALM-79 and IEC60598

DIMENSIONS

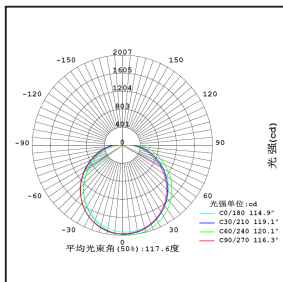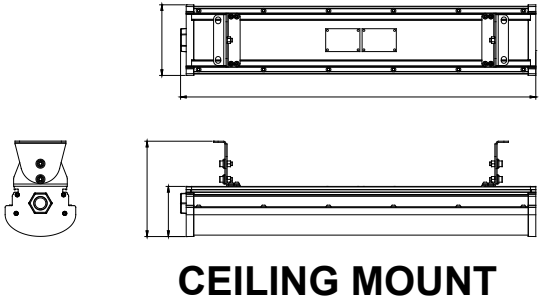| AST4-F	1229×125×88.7 mm/48.4×4.9×3.5"
AST4-E	1229×125×88.7 mm/48.4×4.9×3.5"
AST4-D	1229×125×88.7 mm/48.4×4.9×3.5"
AST4-C	1229×125×88.7 mm/48.4×4.9×3.5"
AST4-B	1229×125×88.7 mm/48.4×4.9×3.5"
AST2-C	629×125×88.7 mm/24.8×4.9×3.5"
AST2-B	629×125×88.7 mm/24.8×4.9×3.5"
AST2-A	629×125×88.7 mm/24.8×4.9×3.5"

AST2-(30W~50W)
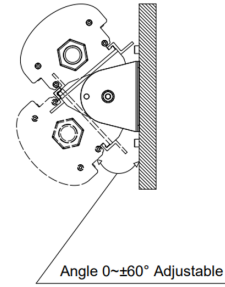
AST4-(40W~75W)

PHOTOMETRIC DATA (120°)

光强(cd)

光强单位:cd
C0/180 114.9°
C30/210 119.1°
C60/240 120.1°
C90/270 116.3°

平均光束角(50%):117.6度

MOUNTING

CEILING MOUNT

PENDANT MOUNT

PENDANT CHAIN

Angle 0~±60° Adjustable

WALL MOUNT

POLE MOUNT