LED SION

Hazardous Location LED Luminaire

Date: ---------- Location: ----------

Product: ---------- Project: ----------

Quantity: ---------- Catalog# ----------



B3

FEATURES

- 0-10V dimming capability
- High luminous efficacy: Up to 140 lumens per watt
- Battery backup function available
- Compact, robust construction for outstanding reliability
- Versatile installation options for diverse applications
- Superior impact resistance, IK08/IK10 certified

SUITABLE APPLICATIONS

- Power Plants
- Heavy Industrial Storage Facilities
- Paper Mills
- Wastewater Treatment Plants
- Loading Docks & Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical industry
- Coal Mine
- Food & Alcohol Industry

Product Description:

The B Series LED luminaire is the ideal solution for marine and hazardous applications. Engineered for reliable performance in environments subject to moisture, dirt, dust, corrosion and vibration, it also withstands exposure to wind, rain, snow and extreme ambient temperatures.

Compliance:

UL 844 Hazardous Locations: Class I Division 2 (Groups A, B, C, D)
Class II Division 1 (Groups E, F, G) / Class II Division 2 (Groups F, G)
Class III / Class I, Zone 2 (Group II C) / Class II, Zone 21 (Group II C)
UL 1598 (Wet Locations) / UL 1598A (Marine Outside Type)
UL 924 (Emergency Lighting) / UL (ATM Report No. E509202)
Certifications: ABS, NSF, DLC
Protection Ratings: IP66, IK08 (with glass cover), IK10 (with wire guard)

WARRANTY:

Standard Warranty: 5 Years
LED Lumen Maintenance: L70 > 150,000 hrs (at 55°C)

INSTALLATION&MOUNTING:

Wall-to-Junction Box / Trunnion Mount
Mounting Options: Ceiling, Wall, Pole Pendant, Hook Pendant, Stanchion

PERFORMANCE

Model NO	PowerFactor	Rated Power	Voltage/CurrentInput		Light Efficiency	Kelvin Options
			120V	277V		
EX-150W B3D50D120	0.95	150W	1.25A	0.54A	130LM/W	5000K
EX-200W B3D50D120	0.95	200W	1.66A	0.72A	130LM/W	5000K

LIGHTING

Technical Parameter

Specification/Model	EX-150W B3D50D120	EX-200W B3D50D120
Dimming	0-10V dimming optional	0-10V dimming optional
Rated Power	150W	200W
Lumens output	19500LM	26000LM
Efficiency	130LM/W	130LM/W
CRI	>72	>72
CCT	5000K	5000K
Input voltage	120-277AC	120-277AC
Light distribution type	120°	120°
Working temperature	-40°F to 131°F	-40°F to 131°F
Housing Material	Copper-free aluminum	Copper-free aluminum
Diffuser	Tempered glass	Tempered glass
Hardware	Stainless steel	Stainless steel
Protection	IP66/IK10	IP66/IK10
Mounting	Ceiling, Pole, Pendant, Wall	Ceiling, Pole, Pendant, Wall
Cable Entry	Top outlet: 3/4 NPT (standard),	Top outlet: 3/4 NPT (standard),
Equivalent	300-450WMH/HPS	400-600WMH/HPS

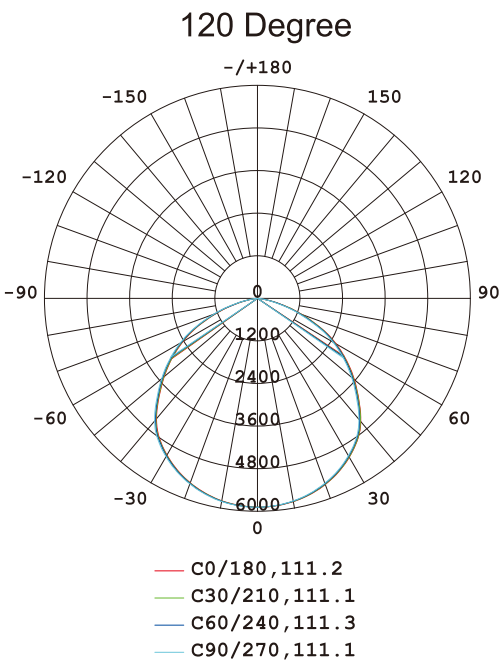
PRODUCT ORDERING GUIDE

EX-200W B3D50D120
1 2 3 4 5 6

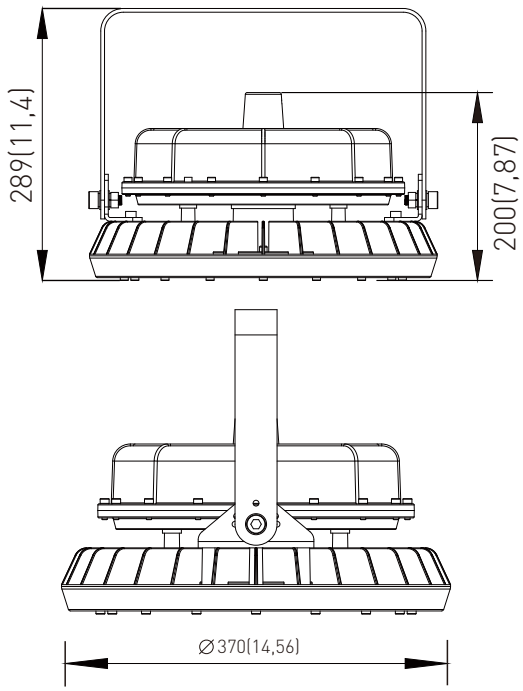
EX	200W	B3	D	50	D120

☑	EX	Hazardous Location LED Luminaire
☑	200W	Wattage
☑	D	Dimmable
☑	50	Color Temperature5000K
☑	D120	Beam Angle120°

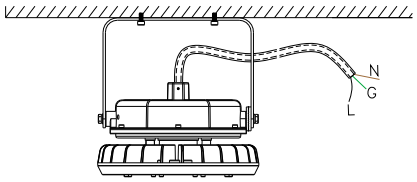
DISTRIBUTION DIAGRAM



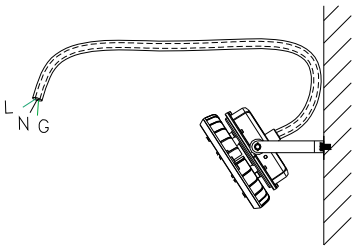
DIMENSION Unit: mm [inch]



1. Ceiling Mounting(Standard 1)

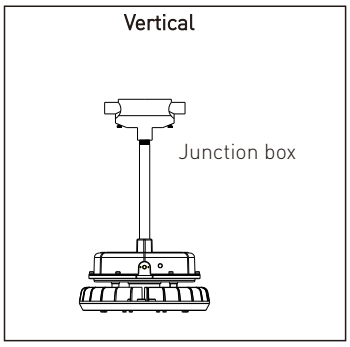


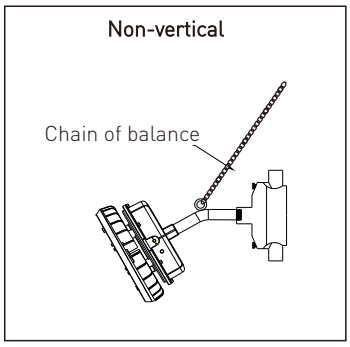


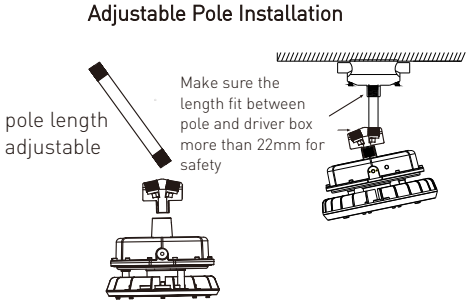




3. Pole Pendant Mounting(Option)









Junction Box
EX-HD51-KB1



Junction Box
EX-HD51-KB1



Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe



Pole
Ex-Bended Pipe



Pole
Ex-Straight Pipe

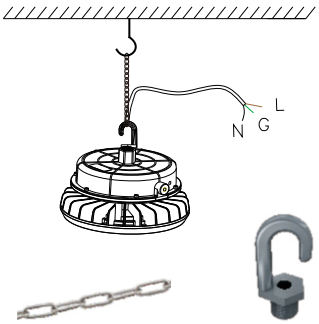


Pendant Chain
Ex-Straight Chain



Pendant Direction Adapter
Ex-D01

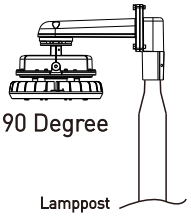
4: Hook Pendant Mounting(Option)



Hook
Ex-Hook

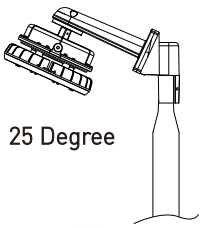
Pendant Chain
Ex-Straight Chain

5: Stanchion Mounting(Option)



90 Degree

Lamppost



25 Degree

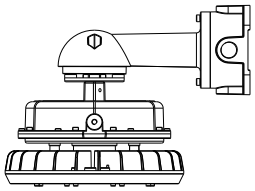


EX-90PSupport

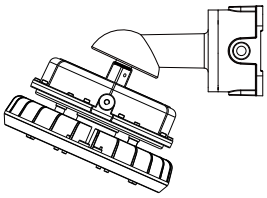


EX-25PSupport

6: Wall Mounting to Junction Box(Option)



90 Degree



25 Degree



Stanchion Arm
EX-HD51-KYD 90



Stanchion Arm
EX-HD51-KYD 25