



C1D2 Hazardous LED Luminaire

Date: Location:

Product:Project:

Quantity:Catalog#



B3



FEATURES

- Class 1 Division 2 EX grade. 0-10V dimming capability
- High luminous efficacy: Up to 140 lumens per watt
- Battery backup function available
- Compact and robust structure, excellent reliability
- Versatile installation options to suit 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. It is engineered to perform reliably in environments prone to moisture, dirt, dust, corrosion and vibration, as well as areas exposed to wind, water, 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:

Mounting types: Ceiling / Wall / Pole Pendant / Hook Pendant / Stanchion
Wall-to-Junction Box / Trunnion

PERFORMANCE

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

Technical Parameter

Specification/Model	EX-150W B3D50D120
EX Grade	CLASS 1 DIVISION 2
Rated Power	150W
Lumens output	19500LM
Efficiency	130LM/W
CRI	>72
CCT	5000K
Input voltage	120-277AC
Light distribution type	120°
Working temperature	-40°F to 131°F
Housing Material	Copper-free aluminum
Diffuser	Tempered glass
Hardware	Stainless steel
Protection	IP66/IK10
Mounting	Ceiling, Pole, Pendant, Wall
Cable Entry	Top outlet: 3/4 NPT (standard),
Equivalent	300-450WMH/HPS

PRODUCT ORDERING GUIDE

EX-150W B3D50D120

123456

EX

150W

B3

D

50

D120

☒ EX

Explosion Proof LED Luminaire

☒ 150W

Wattage

☒ D

Dimmable

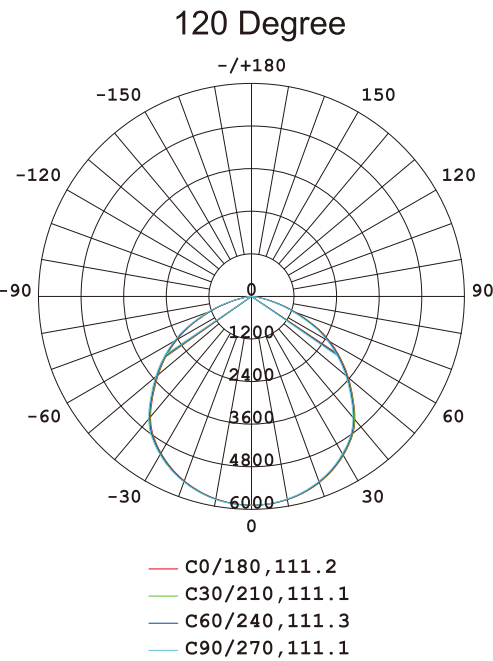
☒ 50

Color Temperature 5000K

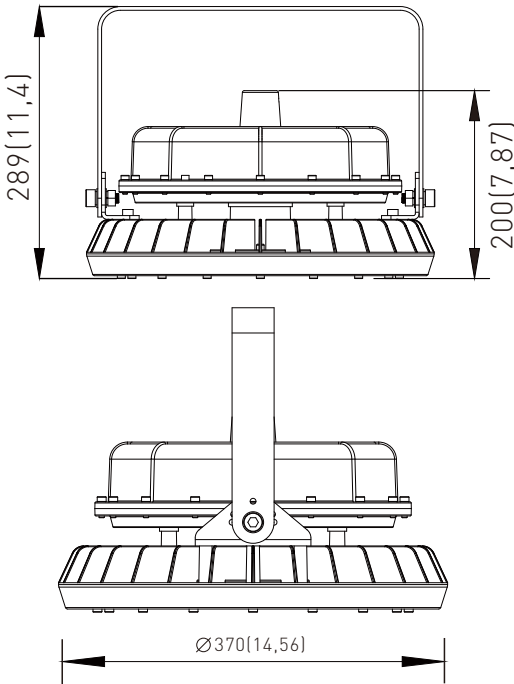
☒ D120

Beam Angle120°

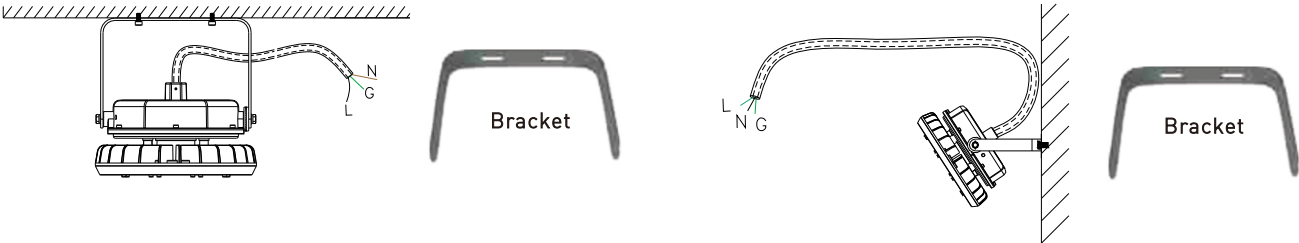
DISTRIBUTION DIAGRAM



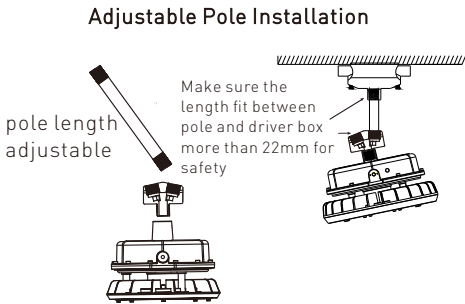
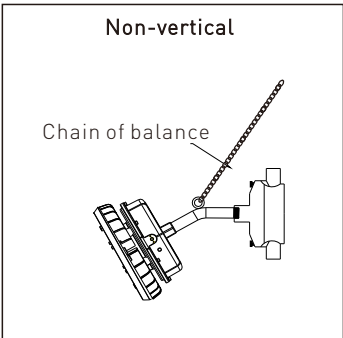
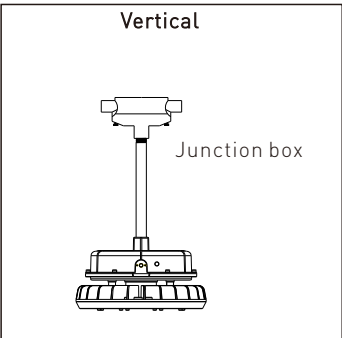
DIMENSION Unit: mm [inch]



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

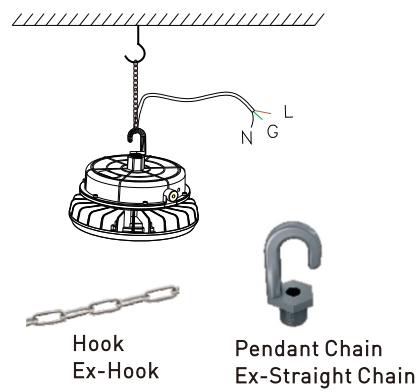


Pendant Chain
Ex-Straight Chain

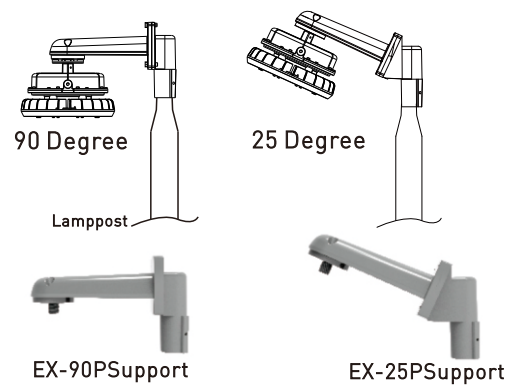


Pendant Direction Adapter
Ex-D01

4: Hook Pendant Mounting(Optional)



5: Stanchion Mounting(Optional)



6: Wall Mounting to Junction Box(Optional)

