



C1D1 Hazardous Jelly Jar LED Luminaire



Date: _____ Location: _____

Product: _____ Project: _____

Quantity: _____ Catalog# _____

FEATURES

- CLASS 1 DIVISION 1 EX Grade
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08/IK10 certified
- Copper-free aluminum housing, great corrosion resistance and cooling performance

SUITABLE APPLICATIONS

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical industry
- Coal Mine
- Food and Alcohol industry

CONSTRUCTION:

The Jelly Jar Hazardous LED luminaire is the ideal choice for marine, coal, mine or other hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected.

WARRANTY:

5-Year Standard Warranty

Compliance:

UL844 Hazardous Locations
Class I Division 1, Group C, D
Class I Division 2, Group A, B, C, D/Class II Division 1, Group E, F, G
Class II Division 2, Group F, G/Class III/Class I, Zone 1, Group IIB
Class II, Zone 21, Group IIIC/UL 1598 Wet Locations
ETL (ATM for Report 105342415DAL-001/003)/ABS/IP66/IK10

INSTALLATION & MOUNTING:

Ceiling, Pole, Pendant, Wall mount options

PERFORMANCE

Model NO	PowerFactor	Rated Power	Voltage/Current Input		Light Efficiency	Kelvin Options
			120V 277V			
EX-40W GD50D120C	0.95	40W	0.33A 0.14A		110LM/W	5000K

► Technical Parameter

Specification/Model	EX-40W GD50D120C
EX Grade	CLASS 1 DIVISION 1
Rated Power	40W
Lumens output	44000LM
Efficiency	110LM/W
CRI	>70
CCT	500K
Input voltage	120-277AC
Light distribution type	120 _q
Working temperature	-40°F to 149°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	80-120WMH/HPS

PRODUCT ORDERING GUIDE

EX-40WGD50D120C

1

2

3

4

5

6

7

EX

40W

D

50

D120

C

☒

E

X

Explosion Proof Hazardous LED Luminaire

☒

40W

Wattage

☒

G

Shell Shape Series

☒

D

Dimmable

☒

50

Color Temperature5000K

☒

D120

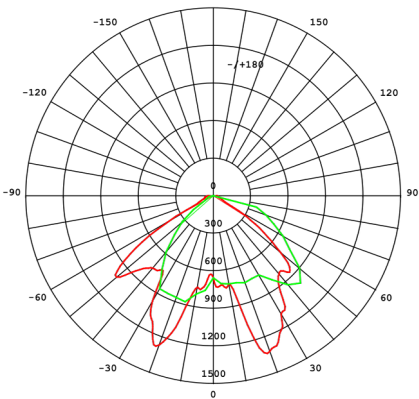
Beam Angle 120°

☒

C

Spherical glass

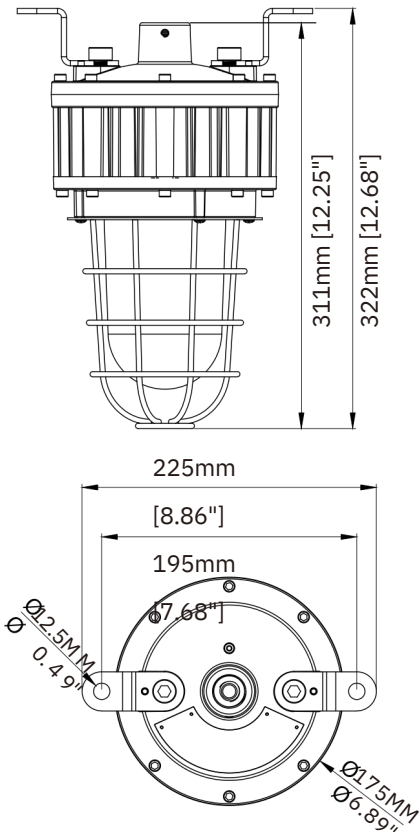
DISTRIBUTION DIAGRAM



120 Degree

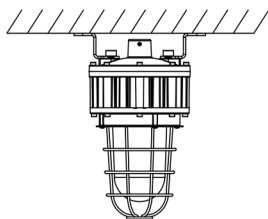
UNIT:cd
- V0.0DEG PLAN,118.7
- H 0.0DEG PLAN,123.5
AVERAGE BEAM ANGLE(50%):121.1 DEG

DIMENSION Unit: mm [inch]

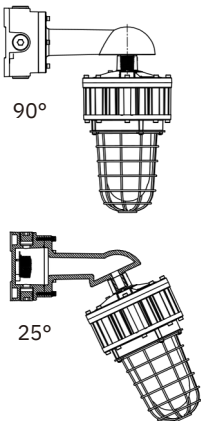
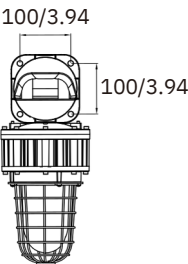
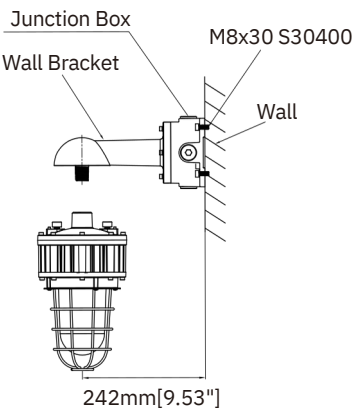


Mounting Methods and Accessories:

Standard 1 : Ceiling Mounting



Option 2: Wall Mounting



Accessories

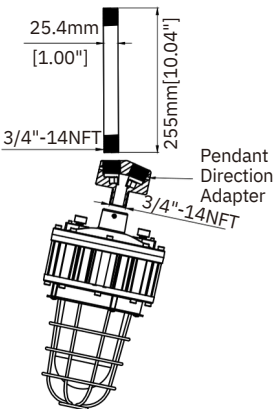
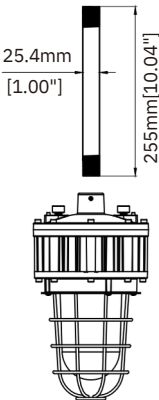


Stanchion Arm
EX-HD51-KYD 90



Stanchion Arm
EX-HD51-KYD 25

Option 3: Pendant Mounting (Vertical)



Accessories

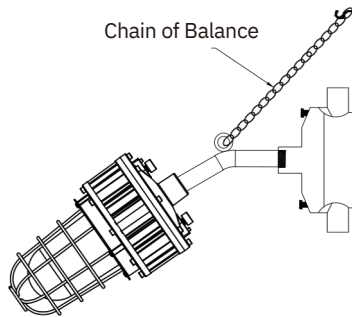


Pole
Ex-Straight Pipe



Pendant Direction Adapter
Ex-D01

Option 4: Pendant Mounting (Non-vertical)



Accessories



Junction Box
EX-HD51-KB1



Pole
Ex-Bended Pipe



Pendant Chain
Ex-Straight Chain