PowerQ
ENERGY in a NEW LIGHT

EXPLOSION PROOF
D2-SERIES
PQ-EXD2S

- **High efficacy: up to 140lm/W**
- **CRI>70**
- **Surface mounting and pendant installation**
- **Wide and narrow optics for uniform illumination**
- **Copper free aluminum**
- **High vibration resistance**

5 YEARS WARRANTY

Life-Span 50,000 HOURS

- **NEMA4X, IP66**
- **UL 1598/UL 1598A/UL844**
- **CSA C22.2 No.137/No.250.0**
Class I, Division 1, Groups C,D
Class I, Division 2, Groups A, B, C, D
Class II, Division 1, Groups E,F,G
Class II, Division 2, Groups E,F,G
Class III
- **Marine and Wet Locations**
- **IECEX**
- **ATEX**
- **5 years or other warranty period specified in agreement**
- **L70 rating for more than 150000 hours**

LISTINGS

cETLus   lighting facts®   FC   RoHS

SPECIFICATIONS

CCT	4000K-5700K
Voltage	AC100-277V or AC200-480V
Working Hours	50000
CRI	70
Efficacy	140lm/W
Size (in)	11.6x11.6x9.55
Dimmable	Optional
Beam Angle	40°, 60°, 90°, 120°
Warranty	5 years

MODEL	POWER (W)	LUMENS
PQ-EXD2S-XXK-20W	20	2800
PQ-EXD2S-XXK-40W	40	5600
PQ-EXD2S-XXK-60W	60	8400
PQ-EXD2S-XXK-80W	80	11200

XX= Color Temperature: 41K=4000K-4500K   51K=5000-5500K
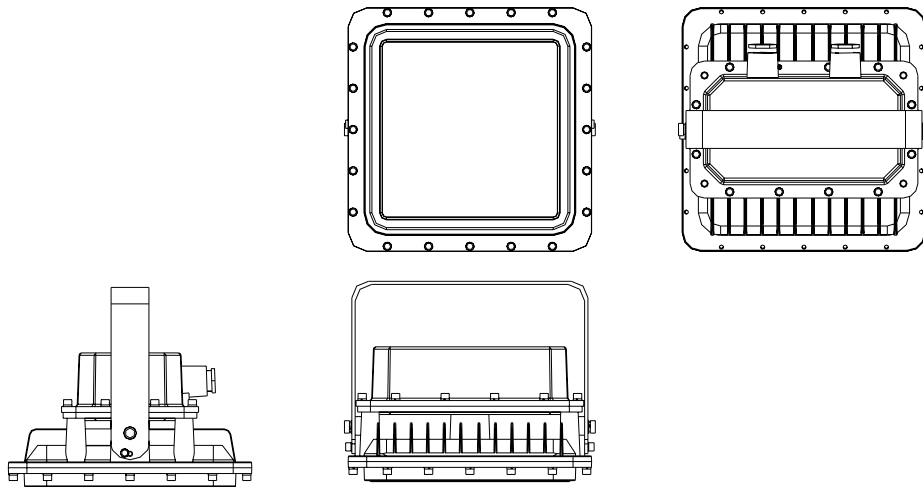Beam Angle: 040D=40°, 060D=60°, 090D=90°, 120D=120°
ADD D for dimmable
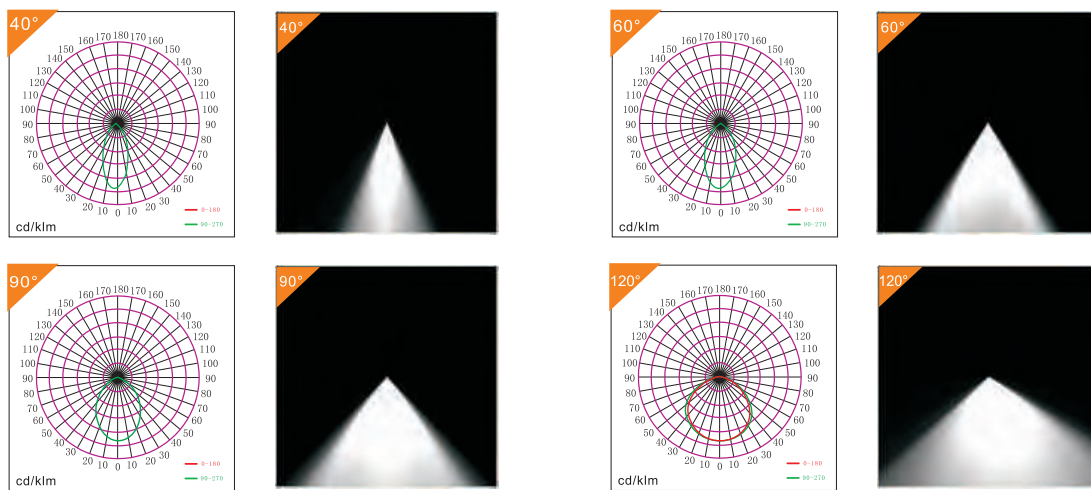ADD at the end Voltage: 120V, 240V or 347V
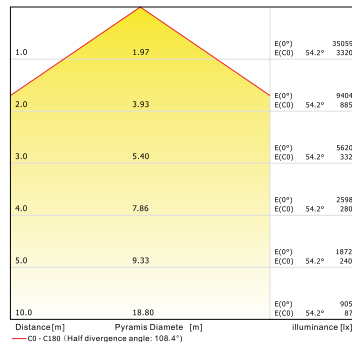
EXPLOSION PROOF **D2-SERIES**

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STRUCTURE DIAGRAM

LIGHT DISTRIBUTION

Light intensity curve(220W)

Distance[m]	Pyramis Diamete [m]	illuminance [lx]		
1.0	1.97	E(0°)		35059
		E(C0)	54.2°	3320
2.0	3.93	E(0°)		9404
		E(C0)	54.2°	885
3.0	5.40	E(0°)		5620
		E(C0)	54.2°	332
4.0	7.86	E(0°)		2598
		E(C0)	54.2°	280
5.0	9.33	E(0°)		1872
		E(C0)	54.2°	240
10.0	18.80	E(0°)		905
		E(C0)	54.2°	87

— C0 - C180（Half divergence angle: 108.4°）

Plane illuminance curve

cd/m²
— g = 55.0°   — g = 65.0°   — g = 75.0°

EXPLOSION PROOF D2-SERIES
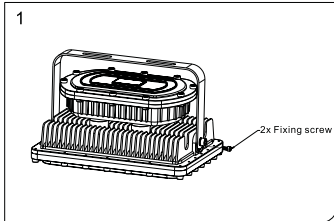
PQ-EXD2S

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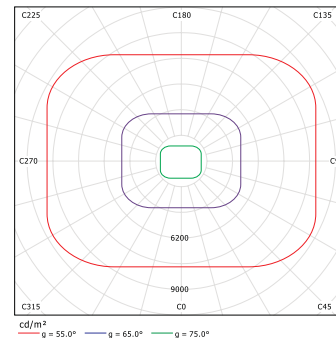
MOUNTING METHOD

Explosion proof light can be surface and pendant mounted by bringing down a rigid conduit to the light fixture.

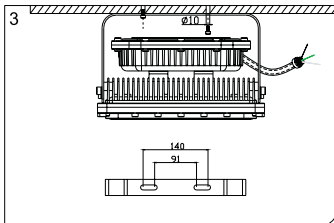**Mounting Option Note: Pendant mounting option requires conduit be supplied by the installer.**
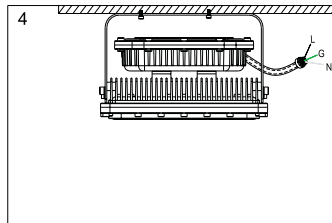
The specific steps of installation (Ceiling mounted)

1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.
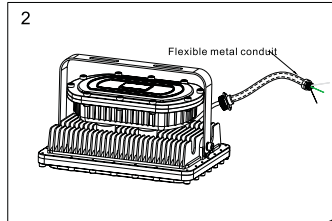
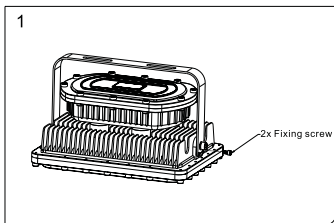2. Through the cable to flexible metal conduit and tighten it with the fixture.

3. Drill 2x hole as Fig.3, the distance can be 91~140mm, fixing Ø10 expansion screws and bracket on ceiling.
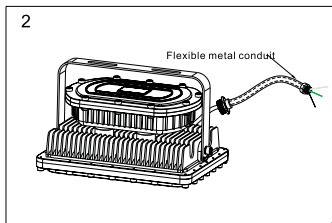

4. Connect the AC cable, Black cable joins to Live wire, white cable joins to Null wire, green cable joins to grounding.
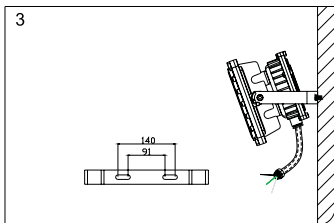
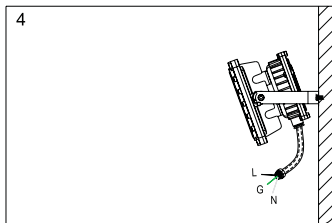The specific steps of installation (Wall mounted)

1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.

2. Through the cable to flexible metal conduit and tighten it with the fixture.

3. Drill 2x hole as Fig.2, the distance can be 91~140mm, fixing Ø10 expansion screws and bracket on the wall.

4. Connect the AC cable, Black cable joins to Live wire, white cable joins to Null wire, green cable joins to grounding.

APPLICATIONS

This luminaire can be used as spot light, down light, and tunnel light which can provide general illumination in hazardous locations, such as:

- **Refinery factory**
- **Oil and gasoline loading dock**
- **Gas station**
- **Painting manufacture workshop**
- **Pumping station**
- **Metal Smelting Plant**
- **Mining**
- **Ocean platform**
- **Aerospace**
- **Chemical plant**
- **Vessel**
- **Military**
- **Flour mill**
- **Distillerie**
- **Power station**
- **Other high humidity, high temperature, dusty location ...**