

## 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...

## Features

- High efficacy: up to 100lm/W
- CRI>70
- Surface mounting and pendant installation
- Wide and narrow optics for uniform illumination
- Copper free aluminum
- High vibration resistance

## Ratings and Certifications

- NEMA 4X, IP66
- UL1598/UL1598A/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



F Series



## Typical Model Specification

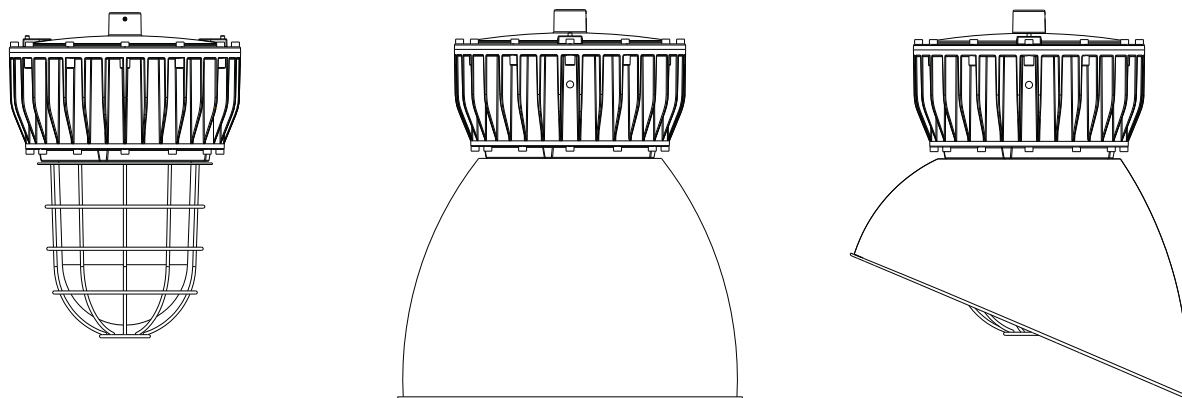
Product Number	Wattage	CCT	Voltage	Lumens	Working Hours	CRI
EX-40W FYZDA	40	4000K-5700K	AC100-277V or AC200-480V	4000	5 years	70
EX-60W FYZDA	60	4000K-5700K	AC100-277V or AC200-480V	6000	5 years	70
EX-80W FYZDA	80	4000K-5700K	AC100-277V or AC200-480V	8000	5 years	70
EX-100W FYZDA	100	4000K-5700K	AC100-277V or AC200-480V	10000	5 years	70

"F"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000~5700K "D"=Beam angle: 40°, 60°, 90°, 120°, 140°

## Mechanical Information

	Size (in)
AC100-277V models	11.5x11.5x16.1
AC200-480V models	11.5x11.5x16.1

## Structure Diagram



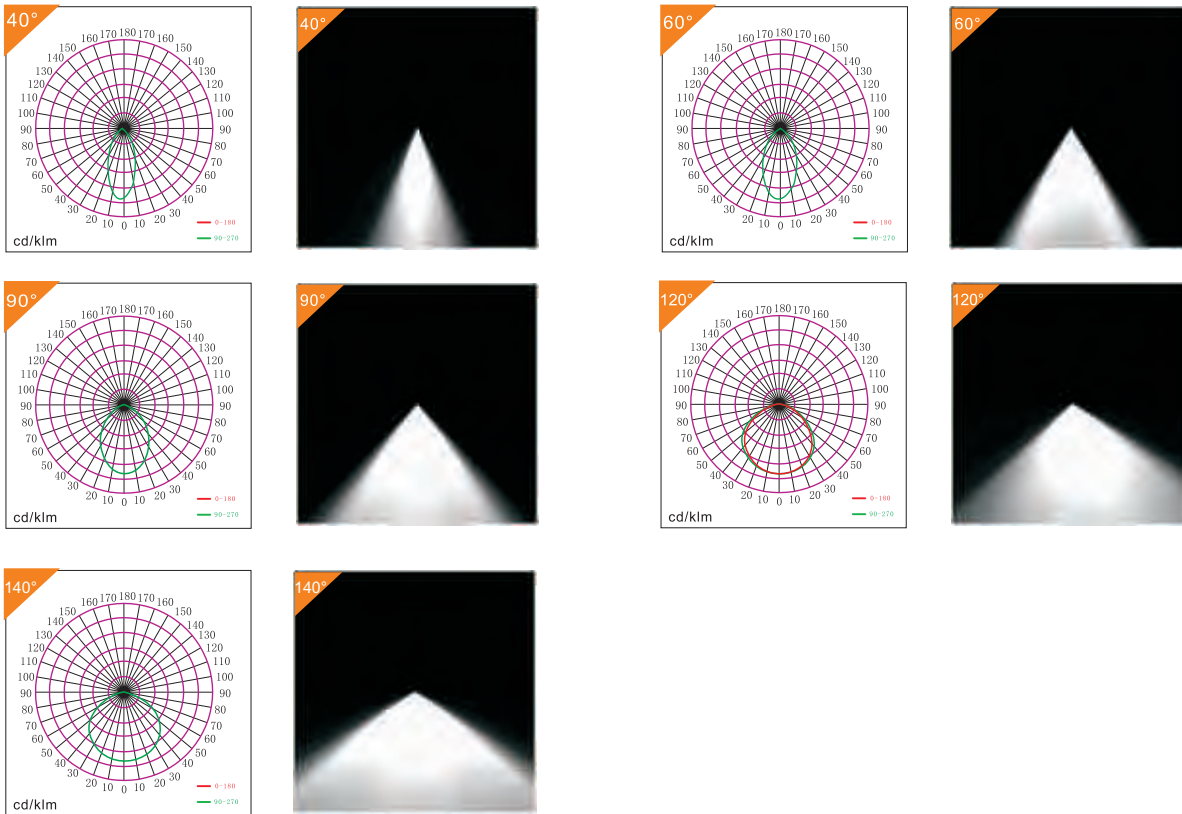
Safe.  
Reliable.  
Efficient.



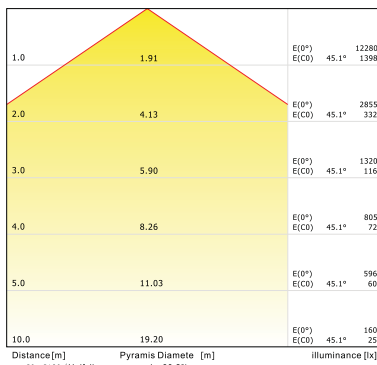
The unique light distribution design, light type and angle precision control of the LED light source, to avoid light pollution and ineffective utilization of light; soft light, no glare, will not cause eye fatigue of workers, improve working efficiency.

### Professional Light Distribution

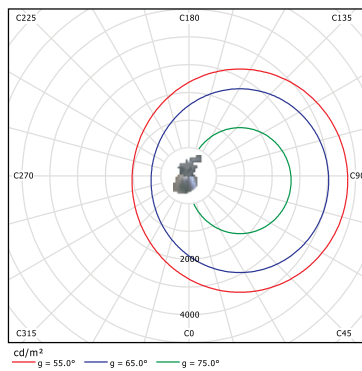
#### Light Distribution Pattern



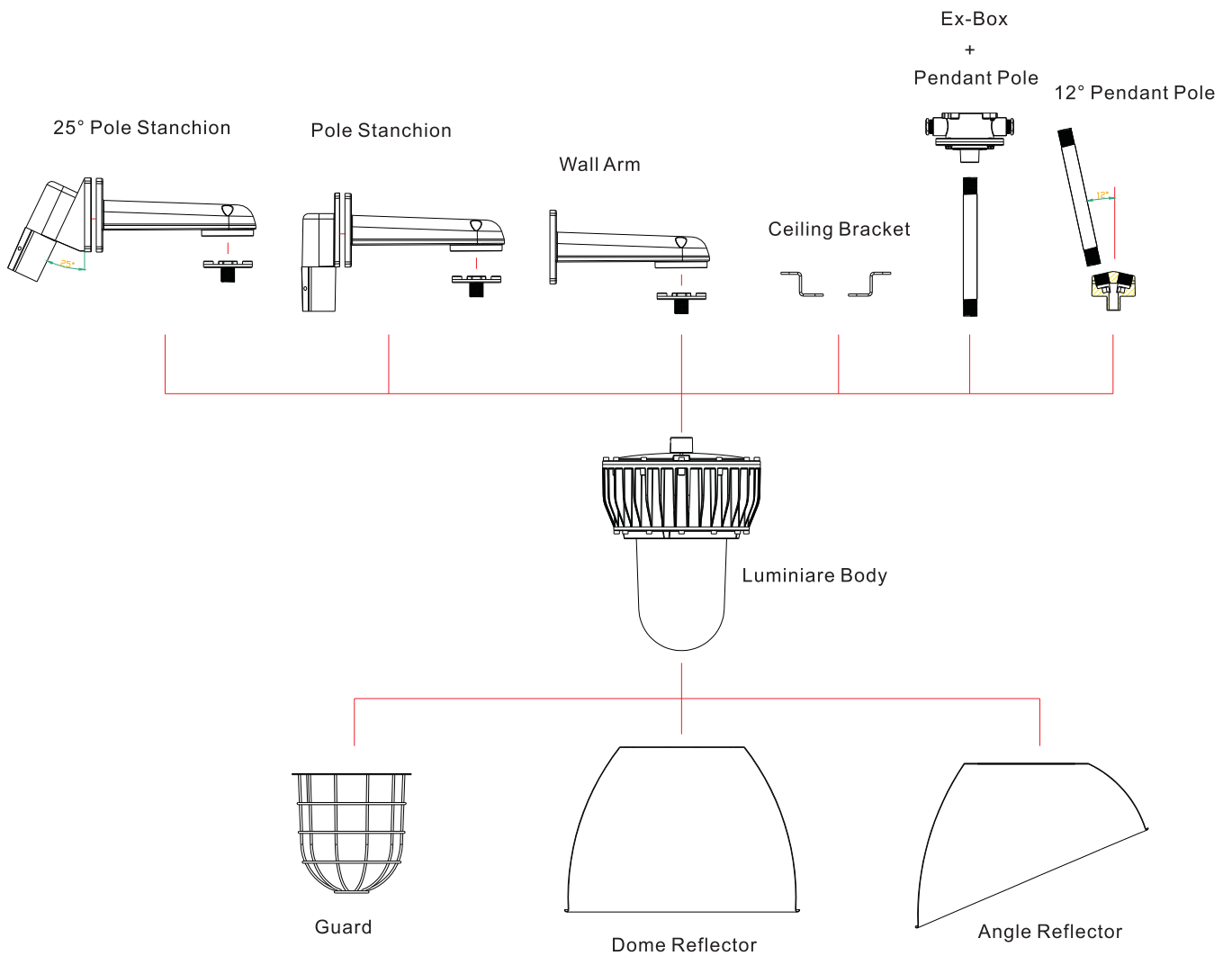
#### Light intensity curve(100W)



#### Plane illuminance curve



## Family Tree of Installation



Adaptor	Conduit	Catalog No.
25° Pole Stanchion	3/4" or 1" NPT	25 DPS
Pole Stanchion	3/4" or 1" NPT	PS
Wall Arm	3/4" or 1" NPT	WA
Ceiling Bracket	Expand Screw	CB
Pendant Pole	Use Ex-Box	PP
12° Pendant Pole	3/4" or 1" NPT	12 DPP
Ex-Box	3/4" NPT	EB