FAD

Water proof, dust proof, anti corrosion
maintenance free energy saving lamp (LED)



Model implication

FAD – □□□ WF□

- WF□: For outdoor medium corrosion–proof (No require not noted)
- J: emergency (does not require not note)
- Mounting mode:
  - G: Pendant
  - B1: wall type 30 °
  - B2: wall type90 °
  - F1: flange type
  - X: ceiling
  - H1: guardrail type
  - z1 : Fence type
- power
- Corporate code

Normal working conditions

◆Altitude of the installation site shall not beyond 2000m;

◆Ambient temperature should be within –40℃ ~ +40℃, average temperature within 24h shall not exceed +35℃;

◆Ambient air relative humidity shall not exceed 95% (+25℃);

◆Installation site shall be free of severe vibration, shock or shake;

◆It is applicable for combustible dust atmospheres zones20,21and22, and temperature classification from T1 to T6.

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Product structure performance

1. The lamp is composed of light source chamber, electric chamber and wiring chamber, enjoys sealed design.
2. The lamp enclosure is made of aluminum alloy by means of die–casting forming, with LED switching power supply, terminal blocks and other electrical devices inside the electric chamber, there are terminal blocks for user wiring in the wiring chamber, and has aluminum alloy specular reflector in the light source chamber. The housing is of good light transmittance and high shock resistance. The mesh enclosure is made of high quality stainless steel, its surface is treated with polyester powder coating (anti–corrosion enclosure also has been treated with special metallic processing before polyester powder coating).
3. The exposed fasteners are made of high quality stainless steel, are equipped with rubber gasket, with reliable sealing performance, excellent waterproof, dustproof and anti–corrosive properties. Built–in rubber parts, wire jacket, and plastics all use high–temperature resistant and flame retardant articles, safer and more reliable.
4. All kinds of installation ways are suitable, such as hanging type, ceiling type, wall–mounted type, post type, bracket type, etc.
5. The power supply adopts integral heat dissipation technology, with protections against short circuit, over current, over voltage, over heat, etc.
6. The lamp enjoys long service life, high brightness, good antiknock characteristic, elegant appearance, maintenance free. It is an ideal product for energy saving and environment protection.

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Main technical parameters

Model	FAD
Implementation of standards	GB 12476(等效于IEC61241\EN系列标准)
Rated voltage	90—264VAC or 127—300VDC
Frequency range	47 – 63Hz
Rated power	80w–120w
PFC	≥0.95
Power Efficiency	≥0.9
显色指数（CRI）	≥80
Inrush current	Cold;30A(max)230VAC
Safety Standards	UL8750,TUV EN61347–1,EN61347–2–13
EMC Standards	EN61000–3–2,TUV EN61347–1,EN61347–2–13
Protection grade	IP66
The anti–corrosion class	WF2
Inlet thread	G20
Cable's spec	Φ10–Φ14mm
Installation	吊杆式、壁挂式、吸顶式、支架式
Working Environment	温度:–40～45℃ 湿度：10%～90%
Work life	≥100000H
Packing	6.2kg

The use and maintenance

◆Before putting into operation, please check the nameplate first to make sure that the parameters are what you ordered.

◆Before installing the lamp, please connect the incoming cable to the terminal block in the wiring chamber through the entry device, compress the seal ring, well connect earth wire, and tighten the screws. Examine and make sure everything is right, then switch on the power supply.

◆Don't disassemble the lamp randomly, when repairing, must cut off the power supply first before opening the cover for maintenance; usually it need not to repair, as it is featured with long service life.

◆Pay attention to not hurt the explosion–suppression surface during maintenance, coat with anti–rust oil 204–1 after maintenance, close the clover, make sure to tighten it before using;

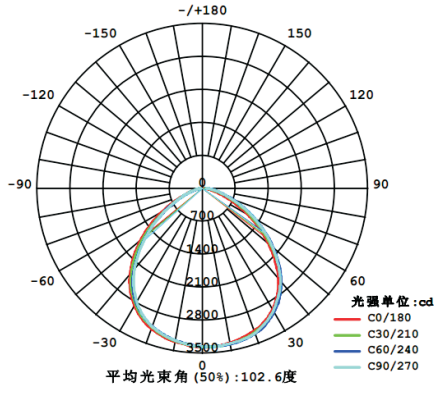
◆Inspect the lamp regularly, clear away the dust from the transparent parts.

◆Distance from the explosion–proof shell to the obstacle should be more than 30mm.

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Distribution curve



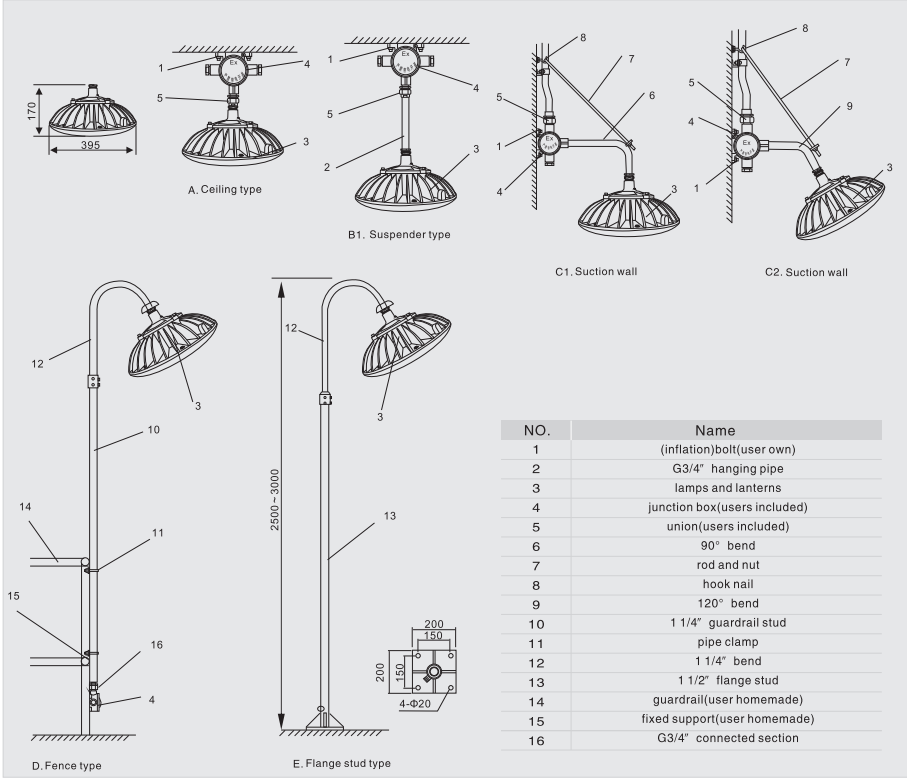
Note: the distribute curve above is conventional,can be customized according to customer requirements.

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Product appearance and installetion diagram



NO.	Name
1	(inflation)bolt(user own)
2	G3/4" hanging pipe
3	lamps and lanterns
4	junction box(users included)
5	union(users included)
6	90° bend
7	rod and nut
8	hook nail
9	120° bend
10	1 1/4" guardrail stud
11	pipe clamp
12	1 1/4" bend
13	1 1/2" flange stud
14	guardrail(user homemade)
15	fixed support(user homemade)
16	G3/4" connected section

Order note

1. Please select product according to the model description carefully.
2. Power supply and light source have been prepared along with the lamp.
3. It is suitable for strong vibration atmospheres after anti–shock treatment.
4. Light angles 130° and 15° are optional.
5. Please give clear indications if need abovementioned items 3 and 4 before leaving the factory.