

FGQ1245-LED Series Explosion-proof Floodlight

I. Features

1. The enclosure is flameproof or dustproof, suitable for lighting in explosive atmospheres or dust hazardous areas.
2. The light is mainly composed of flameproof light source cavity, electrical cavity and installation bracket.
3. Die casting aluminum housing with powder coating.
4. Large finned radiator with remarkable cooling effect, reduce LED junction temperature and extend the LED's lifespan.
5. Tempered glass cover with high transmittance, impact resistance.
6. Small size, good corrosion resistance, high luminous efficiency, wide lighting area, durable and reliable.
7. Beam angle 90° standard, 45° or 110° optional.
8. Electrical cavity with rubber seal rings for better protection.
9. Simple structure, reliable explosion-proof performance.
10. Suitable for wall mount, or pole mount (see installation diagram).
11. LED light source with advantages of energy saving, long lifespan, high luminous efficiency, good shock resistance and long service time without maintenance. Can be used in strong vibration environment (If need anti-vibration, please state before ordering).



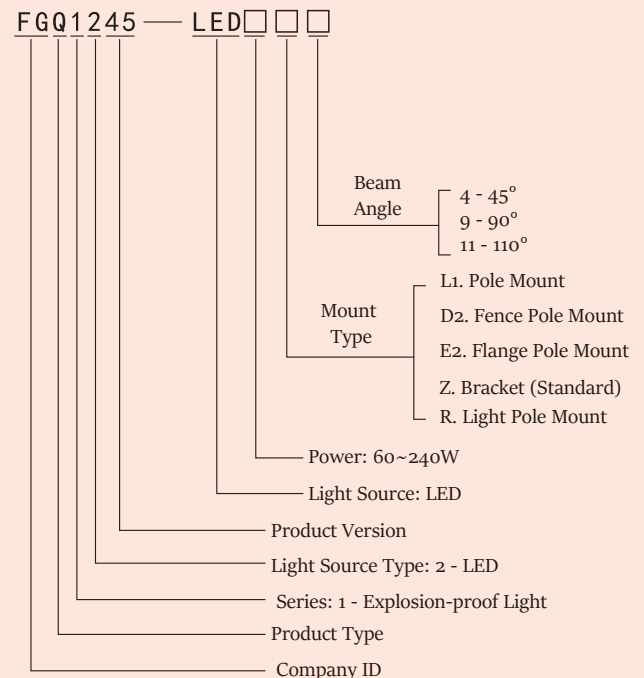
II. Applications

Suitable for flood lighting for zone 1 and zone 2 hazardous areas with II A, II B, II C explosive gas or vapor, or zone 21 and zone 22 hazardous areas with flammable dusts.

III. Technical Parameters

1. Comply with GB3836.1, GB3836.2 and GB3836.31 "Explosive Environment Part 1~2, 31" (Equal to IEC 60079 and EN series)
2. Ex-proof Mark: II 2 G Ex db IIC T6 Gb; II 2 D Ex tb IIIC T80 °C Db
3. Rated Voltage: 220VAC, 50/60Hz
4. Input Voltage: 176-264VAC, 50/60Hz
AC/DC 24V(60W, 120W Only)
90-264VAC (60W-120W), 50/60Hz
5. Rated Power: 60W ~ 240W (See below form)
6. Light Source: LED
7. Power Factor: ≥0.95
8. IP Rate: IP66
9. Corrosion-proof Rate: WF2
10. Ambient Temperature: -40 °C ~ +55 °C
11. Cable Entry: G3/4"
12. Inner Pole Mount Tube Diameter: 62mm
13. Cable Outer Diameter: φ7 ~ φ12.5mm

IV. Model Code

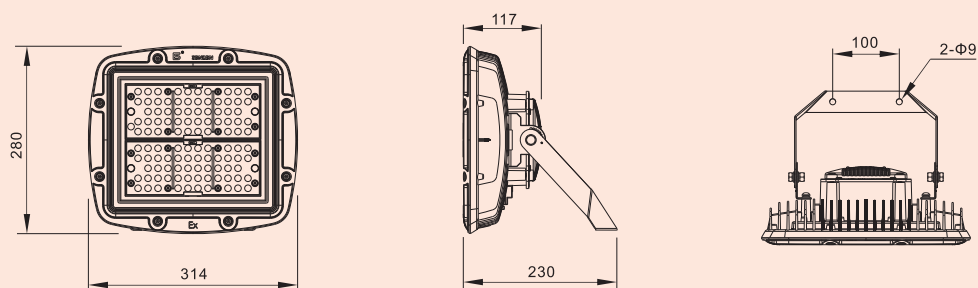


Remarks:

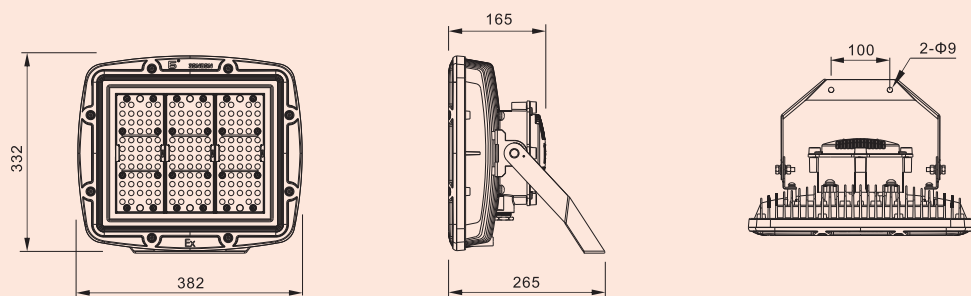
1. Mount R is not available for power ≤ 100W.
2. Mount D2, E2 are not available for power ≥ 120W.

Model	Power W	Current A	LED Lumens lm	Mount Type	Dimensions mm		NW KG	Irradiation Distance m
					Width	Height		
FGQ1245-LED60	60	0.28	8900	L1. D2. E2. Z	314	280	5.6	3~5
FGQ1245-LED80	80	0.38	11800	L1. D2. E2. Z	314	280	5.6	4~6
FGQ1245-LED100	100	0.47	14700	L1. D2. E2. Z	314	280	5.8	5~8
FGQ1245-LED120	120	0.56	17600	L1. D2. E2. Z	314	280	5.8	6~12
FGQ1245-LED120	120	0.56	17600	R	382	332	9.1	6~12
FGQ1245-LED150	150	0.72	22000	L1. Z. R	382	332	9.1	8~15
FGQ1245-LED180	180	0.84	26000	L1. Z. R	382	332	9.1	10~18
FGQ1245-LED200	200	0.96	29000	L1. Z. R	472	340	13.3	12~20
FGQ1245-LED240	240	1.2	35000	L1. Z. R	472	340	13.3	15~25

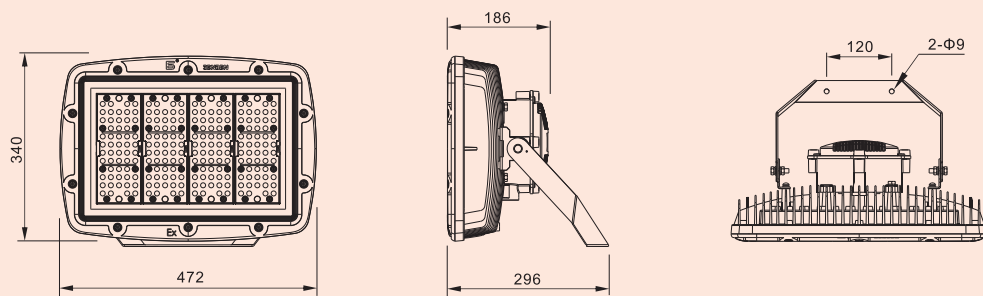
V. Dimensions



FGQ1245-LED100

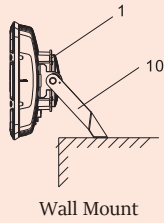


FGQ1245-LED150

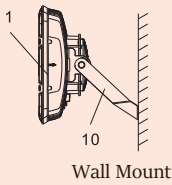
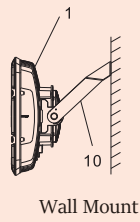


FGQ1245-LED240

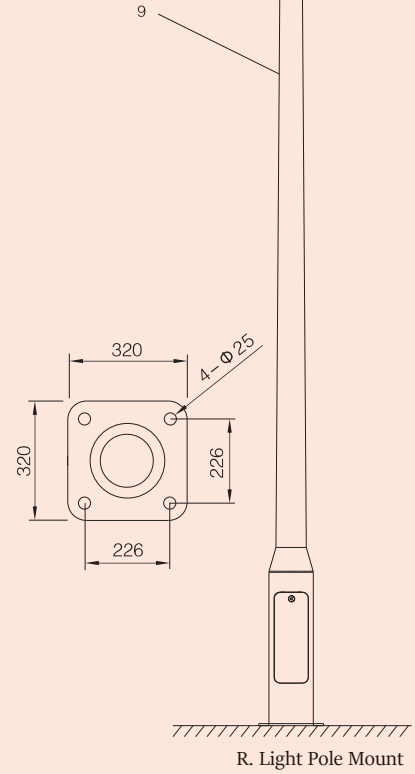
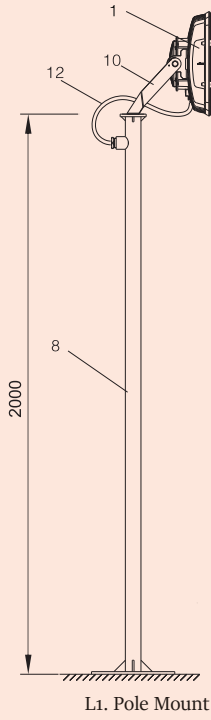
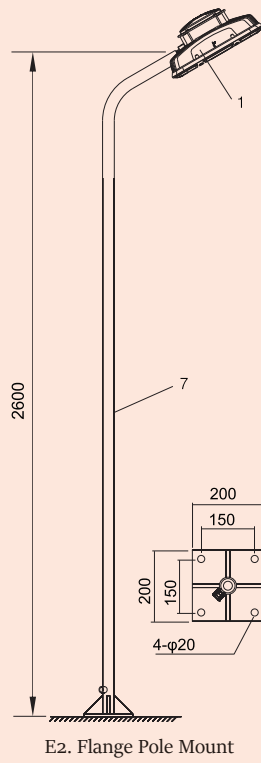
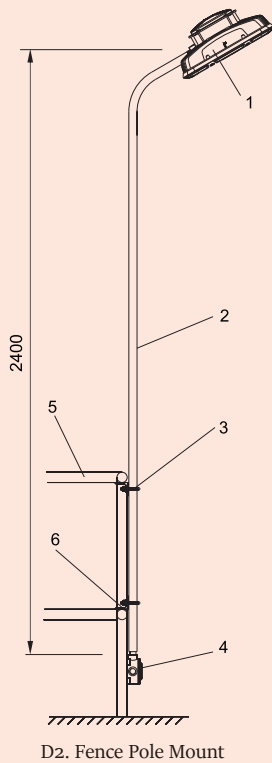
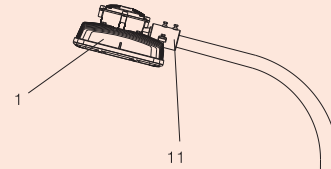
VI. Installation Diagram



- 1 - Light
- 2 - Fence Pole
- 3 - Clamps & Screws
- 4 - Ex-proof J-Box (Not Provided)
- 5 - Fence (Not Provided)
- 6 - Fix Plate (Not Provided)
- 7 - Flange Pole
- 8 - Stand Pole
- 9 - Ex-proof Light Pole
- 10 - Bracket
- 11 - Pole Mount Tube
- 12 - Ex-proof Flexible Conduit (Not Provide)



Z. Bracket (Standard)



Remarks:

1. User shall prepare necessary installation accessories, or order them together when buying lights.
2. Light & accessories may change without notice. Poles' height can be customized.