

FGQ1249-LED Series Explosion-proof Floodlight

I. Features

1. The enclosure is Composite and dustproof, suitable for flood lighting in explosive atmospheres or dust hazardous areas.
2. The light is mainly composed of flameproof light source cavity, increased safety 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 good transmittance, impact resistance.
6. Increased safety electrical cavity with built-in sealed LED driver, which is high efficiency, wide input voltage, high power factor, stable output current and with protection of short circuit, over temperature and over voltage.
7. The light has single & double housing types for different powers. good corrosion resistance, high luminous efficiency, wide lighting area, durable and reliable.
8. Beam angle 90° standard, 45° optional.
9. The light is sealed with rubber rings for better protection.
10. Simple structure, reliable explosion-proof performance.
11. Suitable for wall mount, or pole mount (see installation diagram).
12. 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

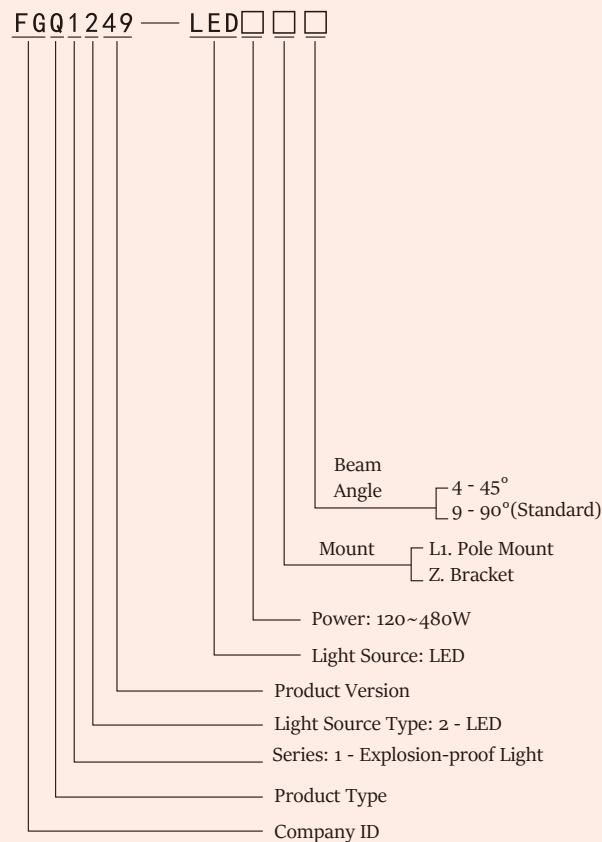
Suitable for flood lighting for zone 1 and zone 2 hazardous areas with II A, II B, II C explosive gas or vapor, or zone 21 and zone 22 hazardous areas with flammable dusts.

III. Technical Parameters

1. Comply with GB3836.1, GB3836.2 and GB3836.3, GB3836.9 Part 1~3, 9" (Equal to IEC 60079 and EN series). GB12476.1, GB12476.5 Part 1, 5 (Equal to IEC 61241 and EN series).
2. Ex-proof Mark:
Ex de mb IIC T6/T5/T4 Gb; Ex tD A21 IP66 T80℃/T95℃/T130℃
3. Rated Voltage: 220VAC, 50/60Hz
4. Input Voltage: 90-305VAC, 50/60Hz
5. Rated Power: 120W, 150W, 180W, 200W, 240W (Single)
300W, 360W, 400W, 480W (Double)
6. Light Source: LED
7. Power Factor: ≥0.95
8. IP Rate: IP66
9. Corrosion-proof Rate: WF2
10. Ambient Temperature: -40℃ ~ +55℃
11. Cable Entry: G3/4"
12. Cable Outer Diameter: φ7 - φ12.5mm

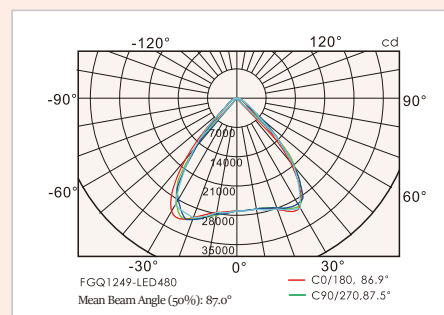
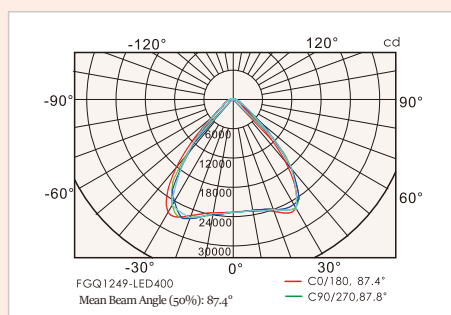
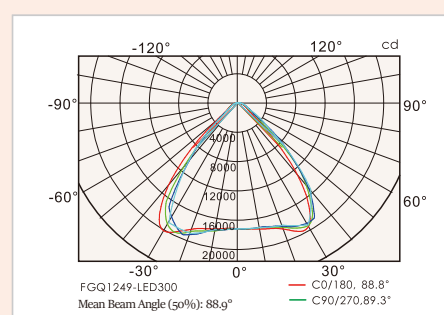
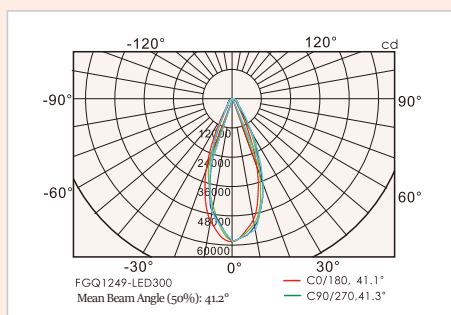
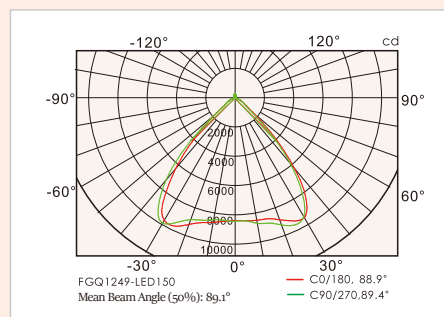
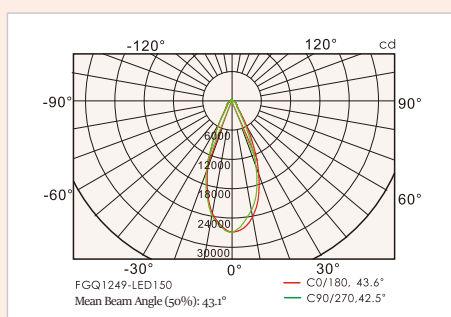


IV. Model Code

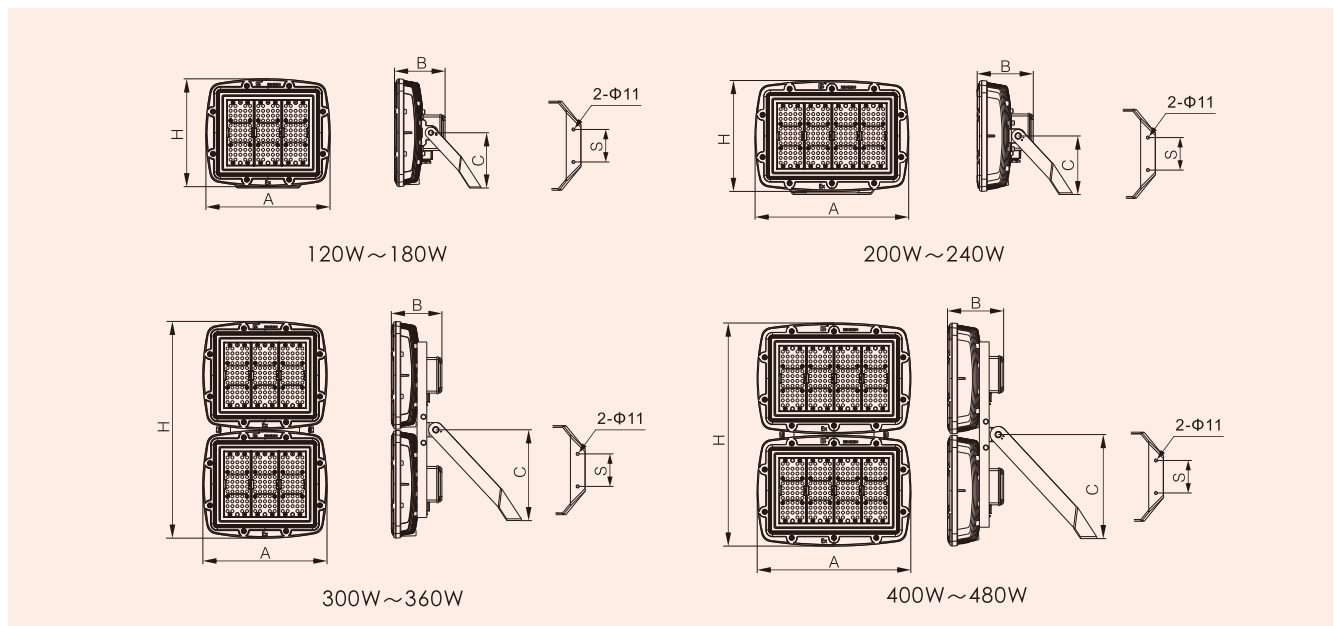


Model	Power W	Current A	LED Lumens lm	Temp. Group	Mount Type	Dimensions mm					NW KG	Irradiation Distance m
						A	B	C	H	S		
FGQ1249-LED120	120	0.56	17600	T6	L1. Z	382	156	170	332	100	9.2	6~12
FGQ1249-LED150	150	0.72	22000	T6	L1. Z	382	156	170	332	100	9.4	8~15
FGQ1249-LED180	180	0.84	26000	T5	L1. Z	382	156	170	332	100	9.6	10~18
FGQ1249-LED200	200	0.96	29000	T4	L1. Z	472	173	180	340	100	13.5	12~20
FGQ1249-LED240	240	1.2	35000	T6/T4	L1. Z	472	173	180	340	100	13.5	15~25
FGQ1249-LED300	300	1.45	43000	T6	Z	382	156	280	666	120	19.5	18~30
FGQ1249-LED360	360	1.8	52000	T5	Z	382	156	280	666	120	19.5	20~35
FGQ1249-LED400	400	2.0	57000	T4	Z	472	173	320	686	120	27.3	22~40
FGQ1249-LED480	480	2.4	67000	T4	Z	472	173	320	686	120	27.3	25~45

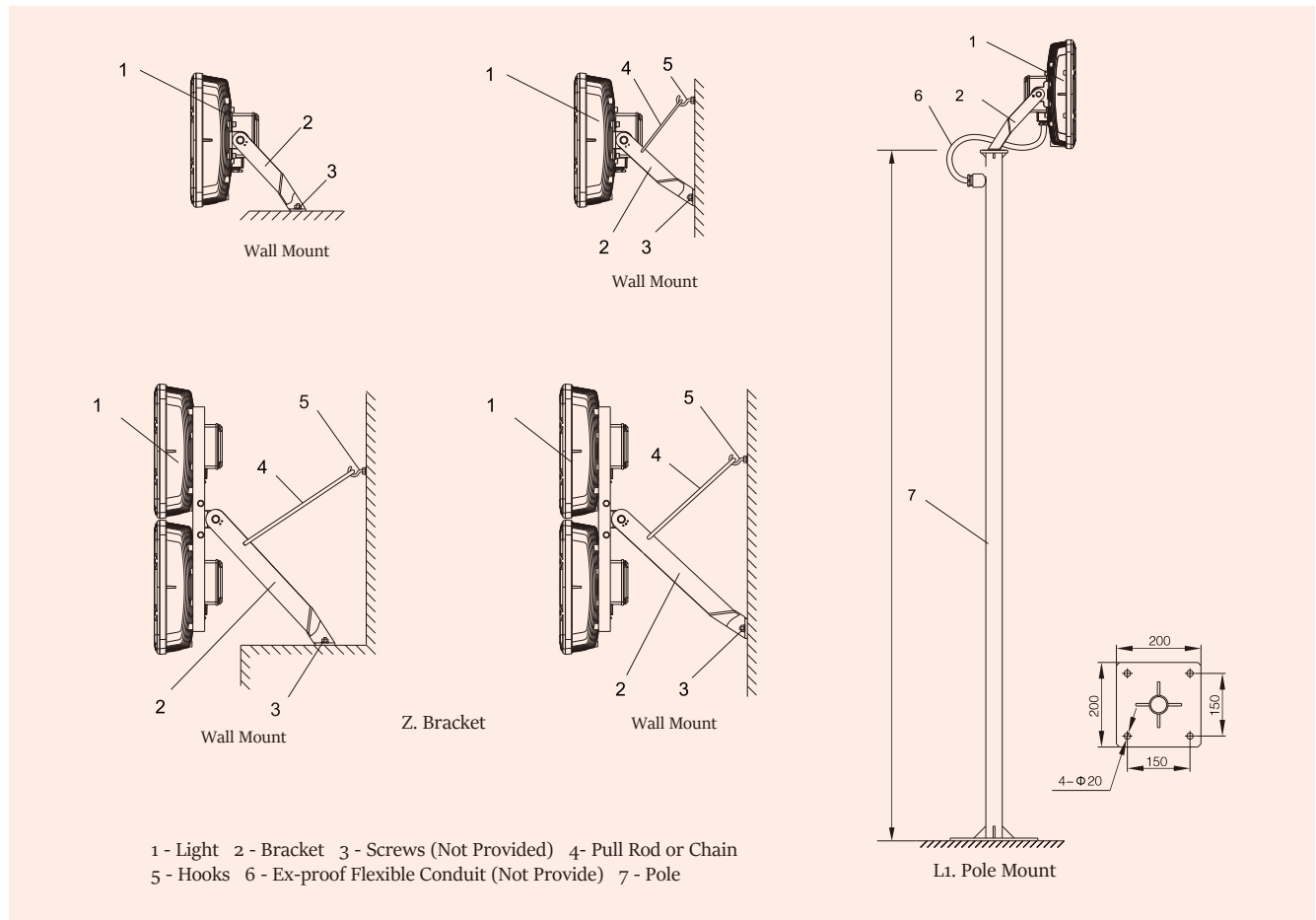
V. Dimensions



VI. Dimensions



VII. Installation Diagram



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.