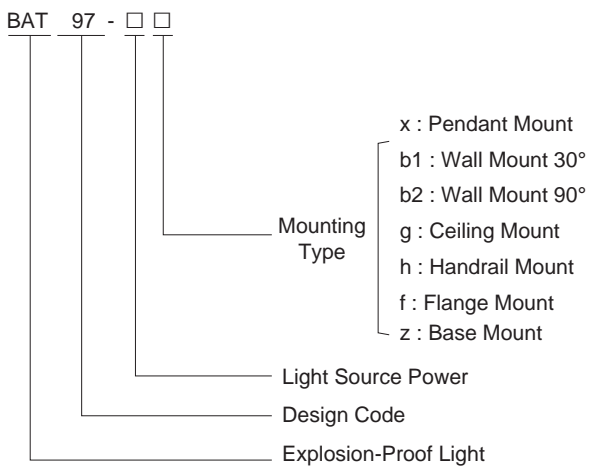


Applications

- Widely used in hazardous environments such as oil exploration, petroleum refining, chemical plants, military facilities, offshore oil platforms, and marine vessels for long-distance area lighting and road illumination.
- Ideal for energy-saving retrofit projects and locations where maintenance or lamp replacement is difficult.
- Suitable for environments with high protection requirements and humid operating conditions.
- Applicable to Zone 1 and Zone 2 hazardous gas locations.
- Suitable for explosive gas atmospheres classified as Group IIA, IIB, and IIC.
- Suitable for temperature classes T1 to T4.

Model Designation



Product Specifications

Model	Rated Power	Luminous Flux (lm)
BAT87-LED80□□	80W	7658
BAT87-LED100□□	100W	9228

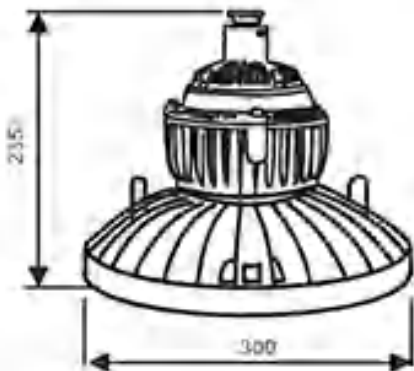
Technical Parameters

Explosion Protection	Exd II CT4 Gb	Color Temperature	5500K
Rated Voltage	AC220V 50/60Hz	Color Rendering Index	Ra > 70
Light Source	LED	Protection Grade	IP66
Luminous Efficiency	> 90lm/W	Anti-Corrosion Grade	WF1
Power Factor	> 0.9	Standards	GB3836.1-2010, GB3836.2-2010, GB3836.3-2010
Cable Entry	G3/4	Terminal Type	Suitable for ≤2.5 mm ² conductors
Applicable Cable Diameter	Φ10 mm ~ Φ14 mm		

Product Features

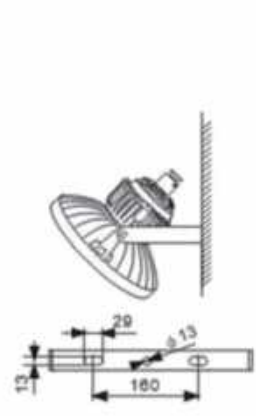
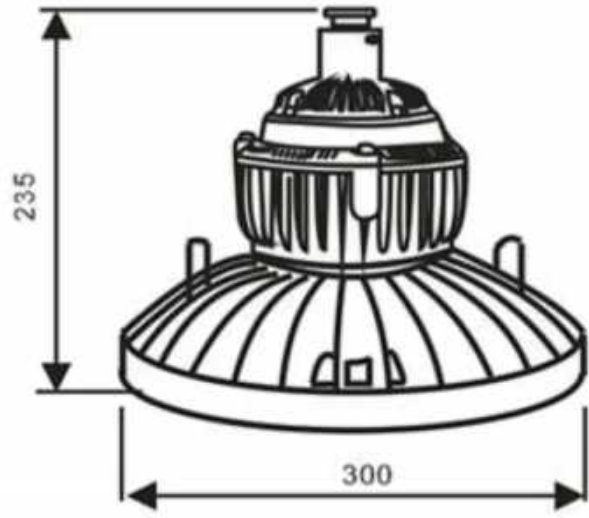
- Die-cast aluminum alloy housing with high-voltage electrostatic powder coating surface treatment.
- Exposed fasteners are made of high-corrosion-resistant stainless steel.
- High-borosilicate tempered glass cover provides excellent light transmission up to 90%, resistant to 4J impact and thermal shock.
- Pure flameproof construction combining flameproof and threaded explosion-proof joints for enhanced safety and reliability.
- Professionally designed optical distribution system ensures high luminous efficiency, optimal light utilization, and uniform illumination.
- Three-chamber design separates the light source cavity, driver cavity, and terminal cavity; threaded conduit entry with independent wiring compartment.
- Reliable internal protection structure ensures stable operation even under harsh environmental conditions.
- Advanced thermal isolation technology and specialized heat-dissipation materials effectively reduce heat transfer and improve reliability.
- Constant-current, constant-voltage LED driver with wide input voltage range, featuring overcurrent, open-circuit, and short-circuit protection.
- High power factor, $PF \geq 0.98$.
- Equipped with single-chip international-brand LED modules, optimized layout, directional light output, luminous efficacy $>100 \text{ lm/W}$, CRI Ra >70 , long service life, and environmentally friendly performance.
- Special structural design allows terminal tightening from the side of the frame, simplifying wiring and maintenance while providing anti-loosening and anti-vibration protection.
- Fin-type heat dissipation structure creates air convection between the light source chamber and driver chamber, effectively dissipating heat and extending service life.
- Dedicated internal grounding system connects the housing and internal grounding points, ensuring reliable grounding and safe operation.

Outline & Mounting Dimensions

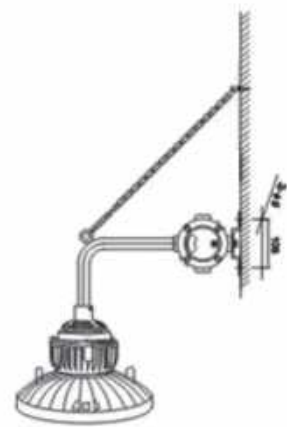


Ordering Information

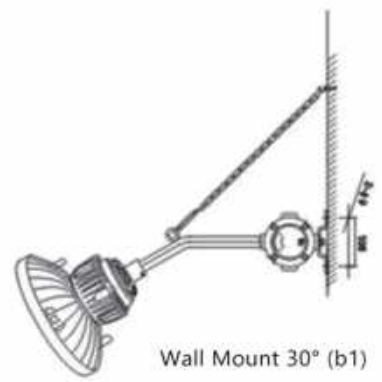
- Select the model and specifications according to the product designation and clearly specify the explosion-proof marking when ordering.
 - Example: For a 100W Explosion-Proof LED Floodlight with base mounting, the model designation should be: BAD97-LED100z, Ex d II CT4 Gb.
- The luminaire is supplied complete with the LED light source.
- Please specify any special requirements when placing the order.



Wall Mount (b)



Wall Mount 90° (b2)



Wall Mount 30° (b1)



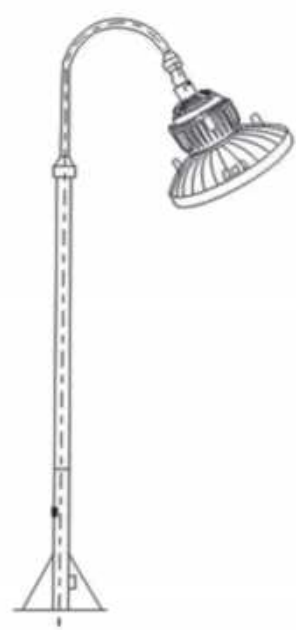
Base Mount (z)



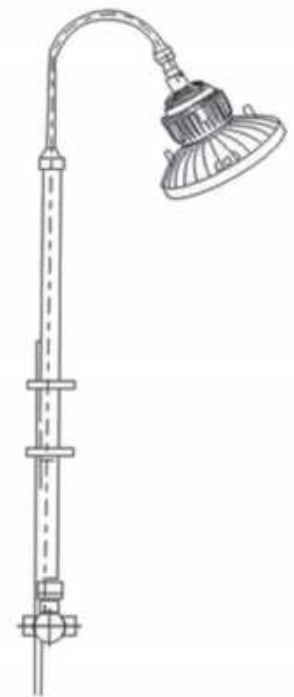
Ceiling Mount (x)



Pendant Mount (g)



Flange Mount (f)



Handrail Mount (h)