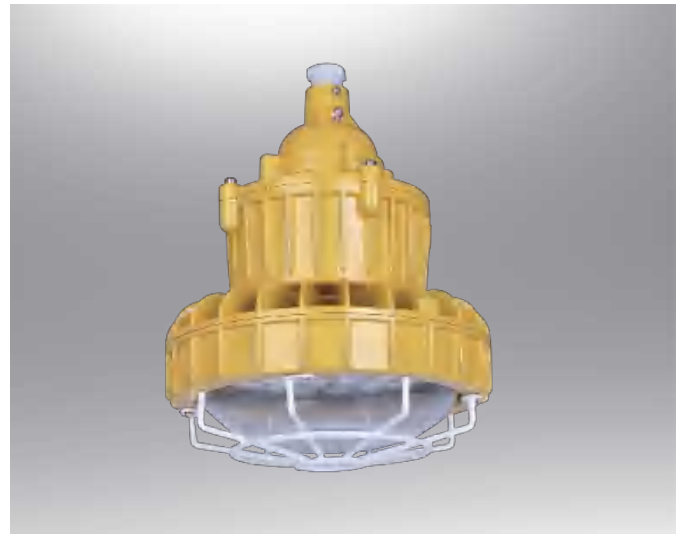
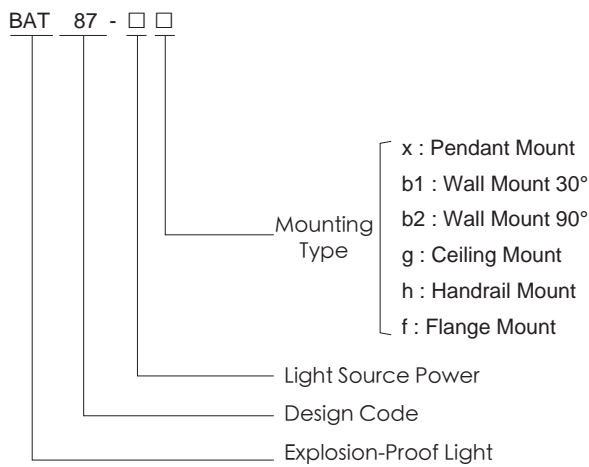


Applications

- Widely used for general lighting and operation lighting in hazardous environments such as oil & gas extraction, refining, chemical plants, military facilities, offshore platforms, and oil tankers.
- Suitable for energy-saving retrofit projects and locations where maintenance or lamp replacement is difficult.
- Ideal for humid environments and areas requiring high corrosion resistance.
- Suitable for hazardous gas atmospheres in Zone 1 and Zone 2.
- Applicable to explosive gas groups IIA, IIB, and IIC.
- Suitable for temperature classes T1–T5.

Model Designation



Product Specifications

Model	Rated Power	Luminous Flux (lm)
BAT87-M30□□	30W	3728
BAT87-M40□□	40W	4513
BAT87-M50□□	50W	5300
BAT87-M60□□	60W	6086

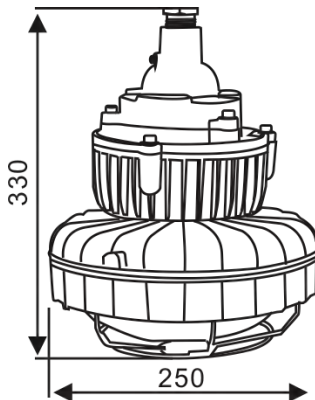
Technical Parameters

Explosion Protection	Excem II C T5 Gb	Color Temperature	5500K
Rated Voltage	AC 90~270V	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 for excellent corrosion resistance.
- External fasteners are made of high anti-corrosion stainless steel material.
- High-strength tempered glass diffuser with anti-glare design, resistant to thermal shock and 4J impact, with light transmittance up to 90%.
- Reliable explosion-proof structure with flameproof and threaded flameproof sealing design for enhanced safety performance.
- Professionally designed optical distribution system provides high brightness, efficient light utilization, and uniform illumination.
- Independent chamber structure for light source, driver, and terminal wiring to improve heat isolation and maintenance convenience.
- Internal anti-vibration structure ensures stable operation under vibration conditions.
- Advanced thermal insulation technology and special heat-dissipation materials effectively reduce heat transfer and improve service life.
- Constant-current wide-voltage driver with constant power output, featuring over-current, open-circuit, and short-circuit protection.
- High power factor design, $\text{COS}\Phi \geq 0.98$.
- Equipped with premium international-brand LED modules, offering high luminous efficiency above 100 lm/W, soft lighting performance, and high color rendering index $R_a > 70$.
- Special terminal structure with side wiring design for easier installation and maintenance, with anti-loosening and anti-vibration functions.
- Fin-type heat dissipation structure with air convection channels between the light source chamber and driver chamber for rapid thermal management.
- Reliable internal grounding system ensures safe grounding continuity between housing and electrical components.

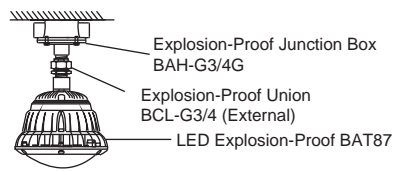
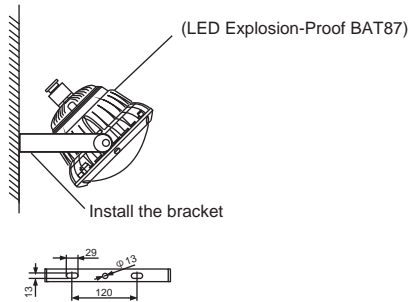
Outline & Mounting Dimensions



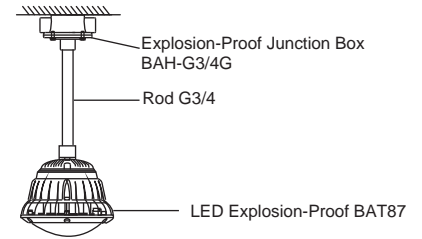
Ordering Information

- Please specify the product model and explosion-proof marking according to the model designation when placing an order.
Example: For a 50W explosion-proof LED light with ceiling mount installation, the model designation is:
BAD87-50x Exdem II C T5 Gb.
- The light source is included as standard before shipment.
- Mounting brackets are not included by default and should be ordered separately if required.
- Bracket mounting accessories are suitable for pedestal mounting, ceiling mounting, and similar installation methods.
- For any special requirements or custom configurations, please specify in advance.

Mounting Options

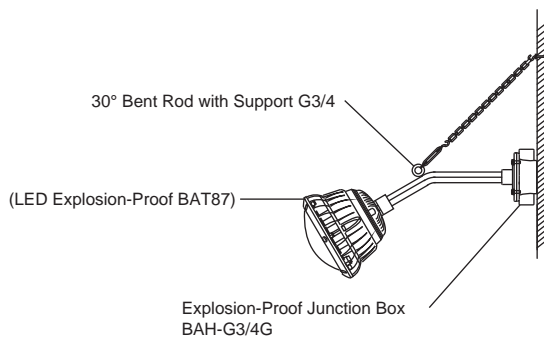


Ceiling Mount (x)

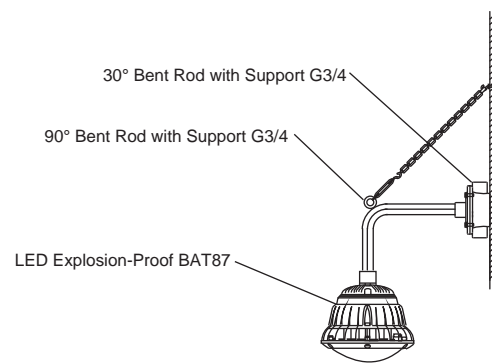


Pendant Mount (g)

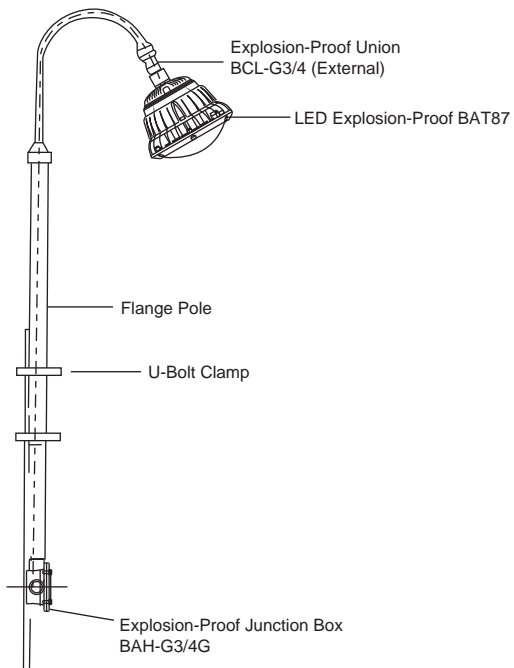
Bracket Mount (b)



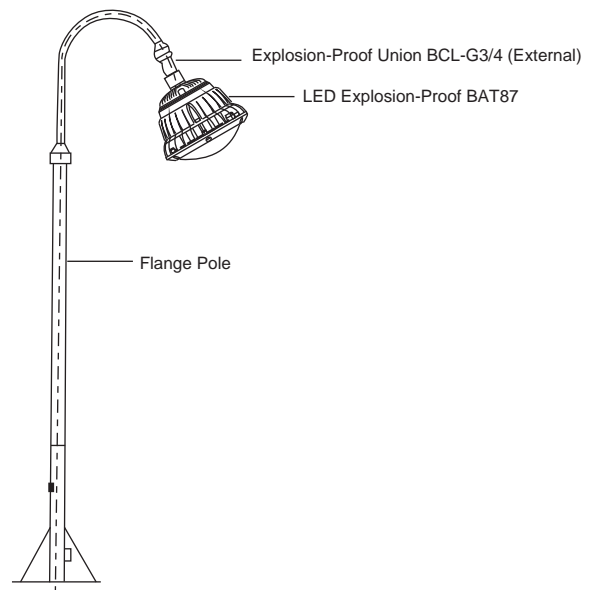
Wall Mount 30° (b1)



Wall Mount 90° (b2)



Handrail Mount (h)



Flange Mount (f)