

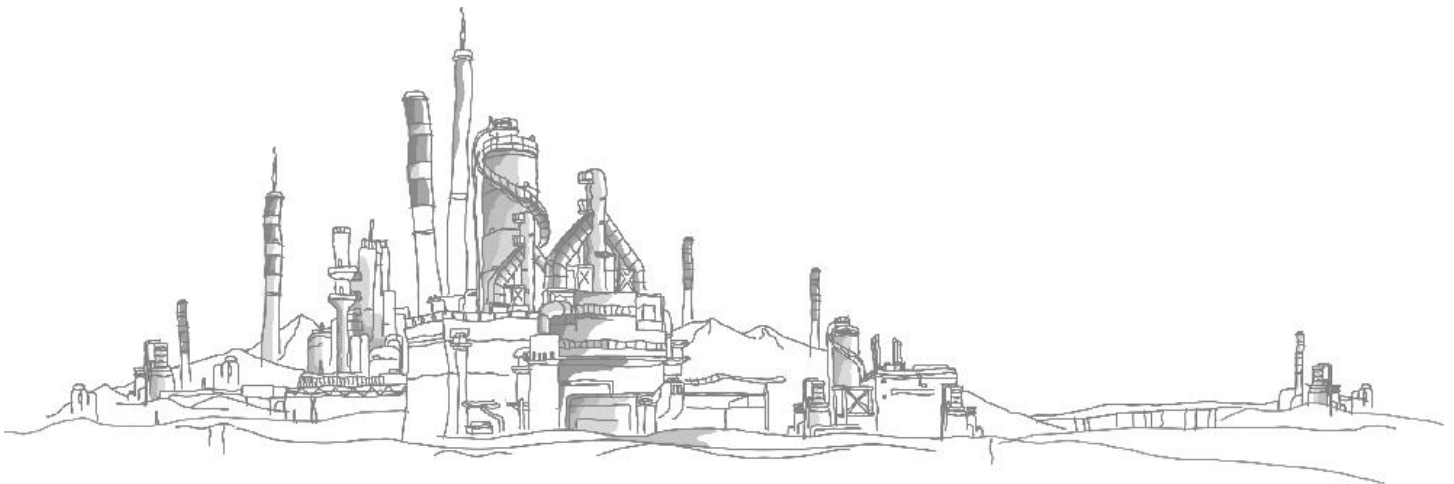


Excellent Quality · Safety First

Product Specification

Product Name: LED Explosion-proof Floodlight

Product Model: ZBD113



ZhuoAn Explosion-proof Technology Co., Ltd.



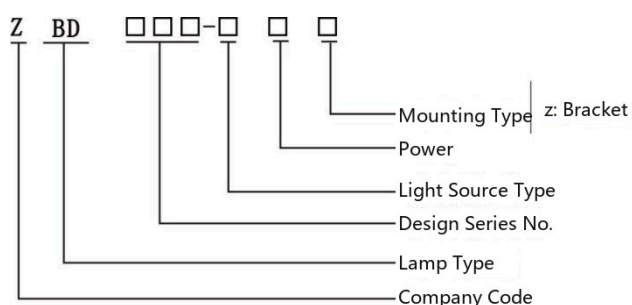
Ex RoHS



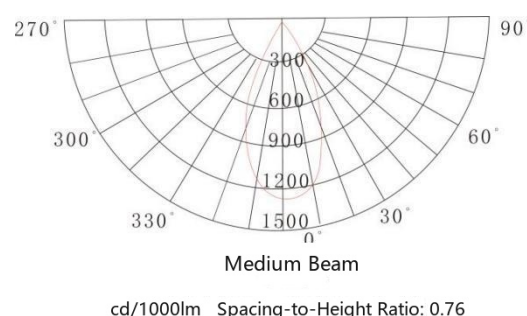
· Features

- SMD chip technology; whole-lamp efficacy above 117Lm/W; energy saving;
- 180° adjustable angle; easy installation and maintenance;
- High light transmittance, tempered glass, safe;
- All high-quality stainless steel fittings; passed 500-hour salt spray test;
- Die-cast fin heat sink technology; high-conductivity aluminum PCB transfers heat from LED to housing and fins, lowering LED temperature and extending life;
- Precise light distribution design; floodlight or spotlight optional;
- Wider illumination range, more uniform lighting; less glare, eye protection.

· Model Designation



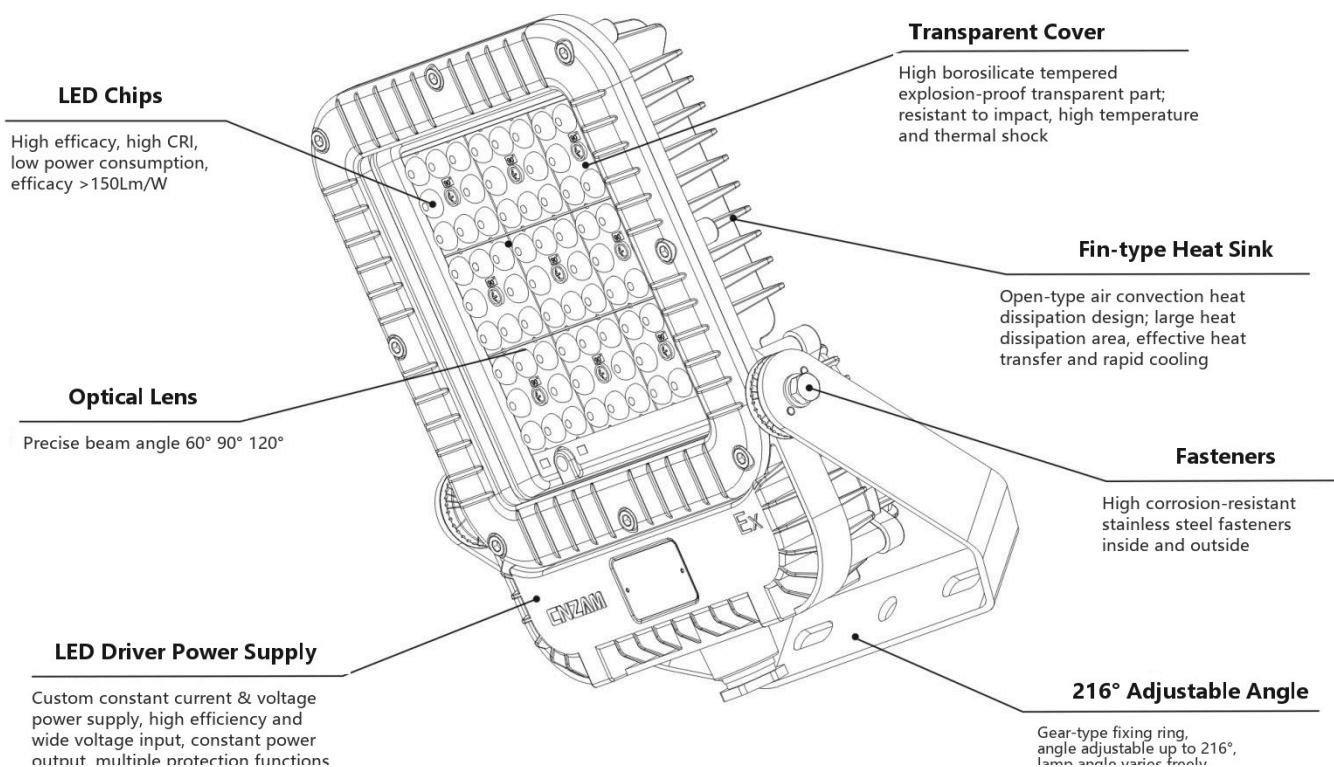
· Light Distribution Curve



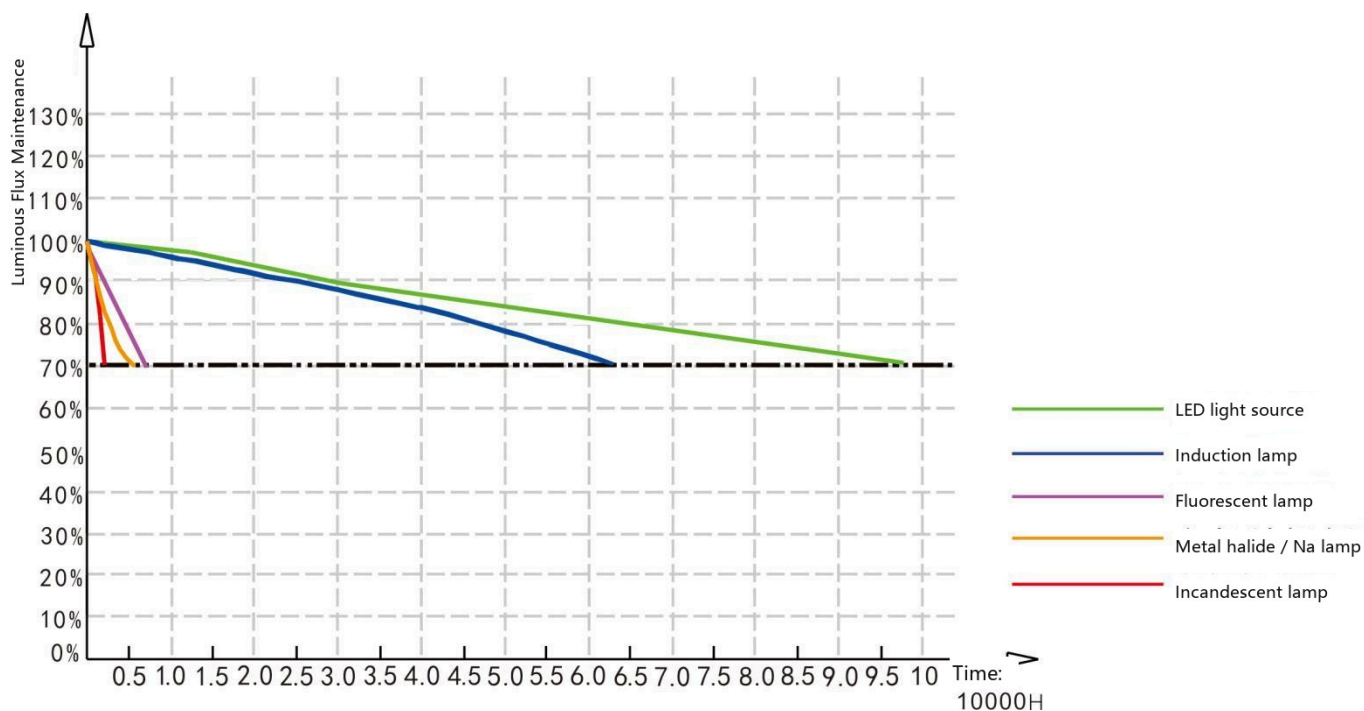
· **Specifications**

Lamp Code		Type I	Type II	Type III	Type IV
Standard		GB3836 (equiv. IEC60079 & EN) / GB12476 (equiv. IEC61241 & EN series)			
Ex Marking		Ex db eb mb IIB T5/T6 Gb; Ex tb IIIC T95-/T80· Db			
Lamp Model		ZBD113-I	ZBD113-II	ZBD113-III	ZBD113-IV
LED	LED Qty	72	128	200	336
	LED Size	Philips			
	Rated Life	100000			
Input	Voltage Range	90-285VAC			
	Frequency	47~63HZ			
	Power	40-70W	80-120W	140-200W	240-300W
	Power Factor	PF-0.96/115VAC; PF-0.96/230VAC; PF-0.94/277VAC (full load)			
	Leakage Current	<0.75mA/277VAC			
	Driver Efficiency	≥0.88			
Photometric	Luminous Flux	>4680	>9360	>16380	>28080
	CCT	3000~3500K; 3500~4000K; 4000~4500K; 4500~5000K; 5000~5500K			
	CRI	>80			
	Beam Angle	60° 90° 120°			
IP	IP Rating	IP65			
	Corrosion Grade	WF2			
Wiring	Cable Length	300mm±20mm			
	Cable Spec	IEC60245 3*1.5mm			
	Inlet Thread	G3/4"			
Mount	Mounting Type	Wall, Bracket, Street Light			
Safety	EMC	EN61000-4-2, TUV; EN61347-1, EN61347-2-13			
	Inrush Current	Cold start: 30A (max) at 230VAC			
	Over Current	95~108%			
	Short Circuit	Constant current limit; auto recovery after fault removed			
	Over Voltage	Output shut-off; recovers after restart			
	Over Temp.	Output shut-off; auto recovery after cooling			
	Ambient	Operating Temp.	-40~+60℃		
Other	Operating Humidity	10~90%RH, non-condensing			
	Service Life	≥50000H			
	Lamp Size	365.5*282*70	416.5*333*70	467*384*73	572*435*78
		Driver Built-in			
	Lamp Weight	6.2KG	8.1KG	10.5KG	17.1KG
Notes	Package Size(mm)				
	1. LED chips: Philips, internationally renowned brand, 150Lm/W high efficacy; 2. Driver: well-known international brands and domestic brands; 3. Photometric data measured in an integrating sphere at room temp. 25-; 4. Lamp power refers to whole-lamp power, not LED power; 5. Do not install the lamp on flammable surfaces; 6. Light source not replaceable; power cable is Z-type connection 7. 3-core input cable: brown = live, blue = neutral, yellow = earth; 8. Electrophoretic surface finish; excellent anti-corrosion & anti-rust.				

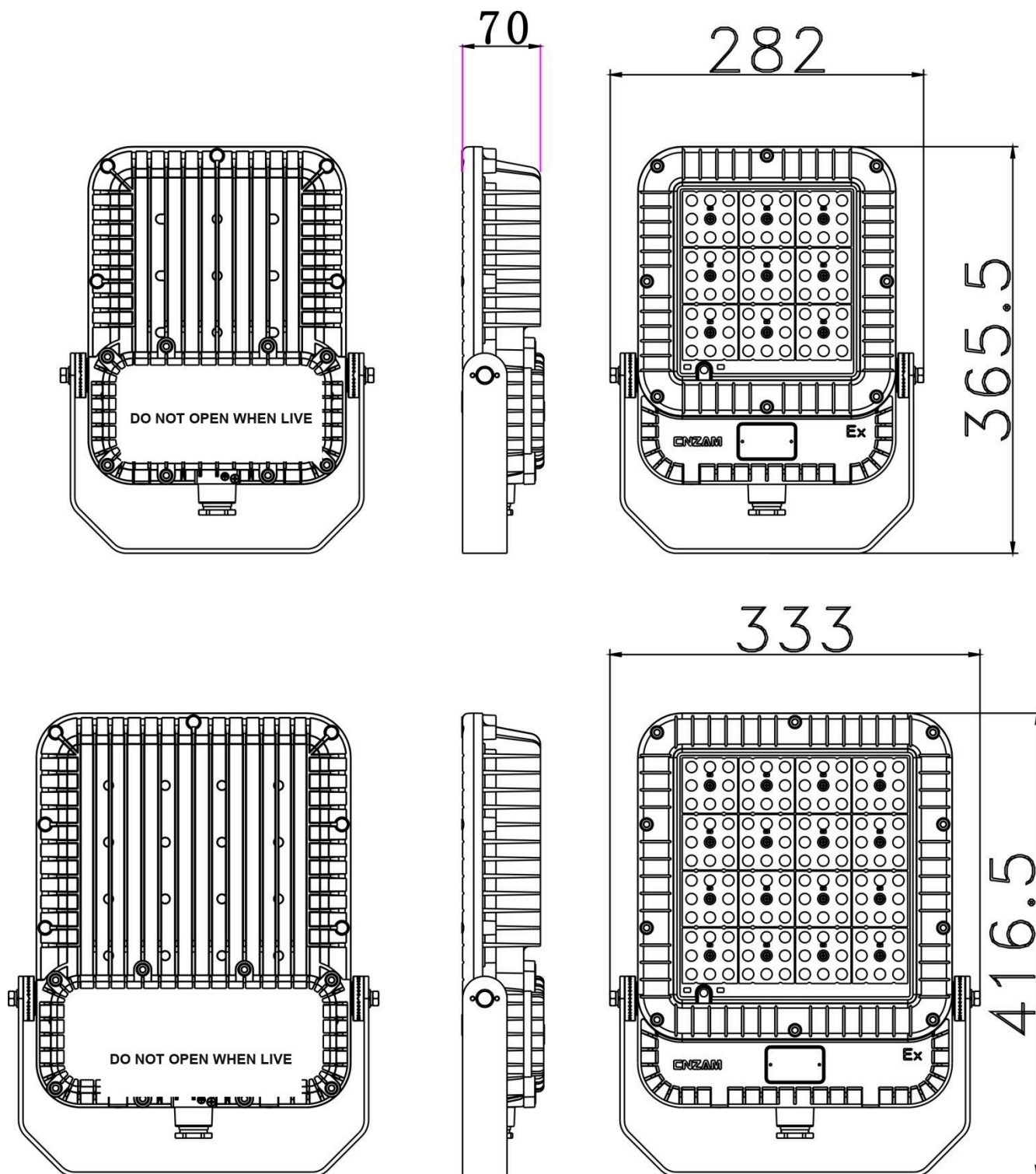
· Product Structure (Built-in Power Supply)

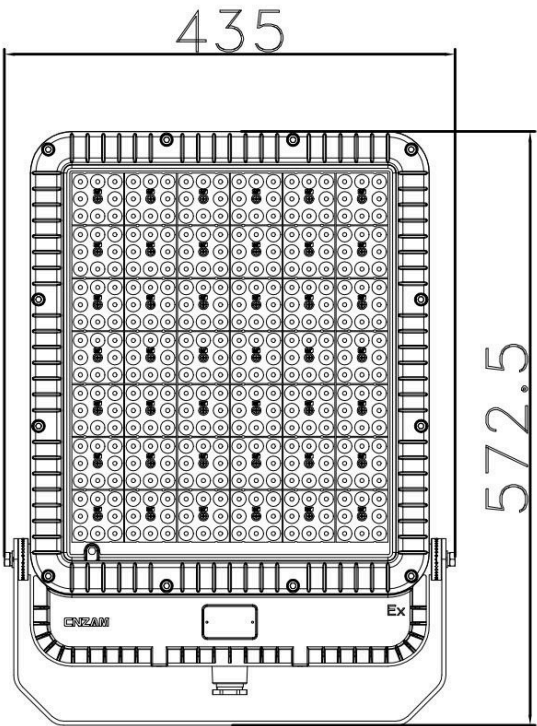
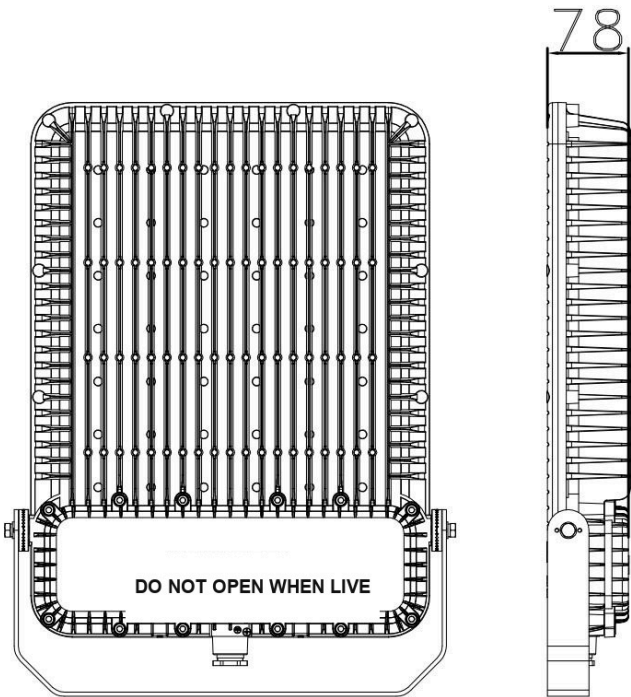
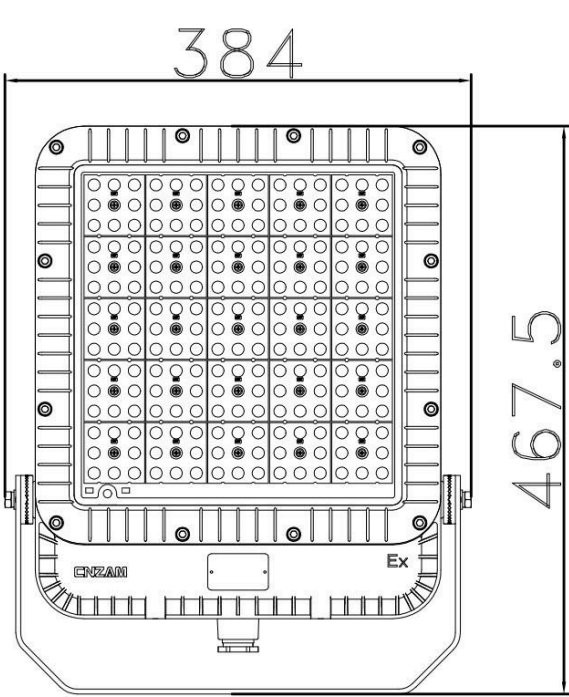
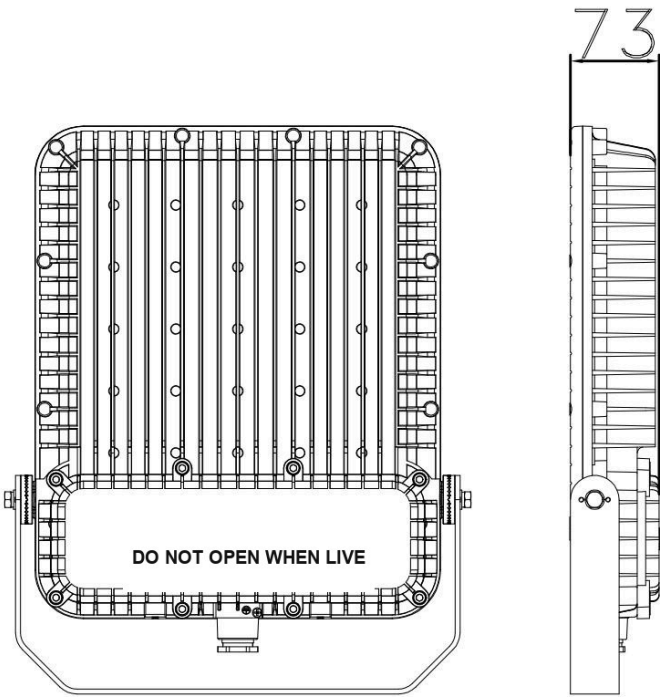


· Light Attenuation

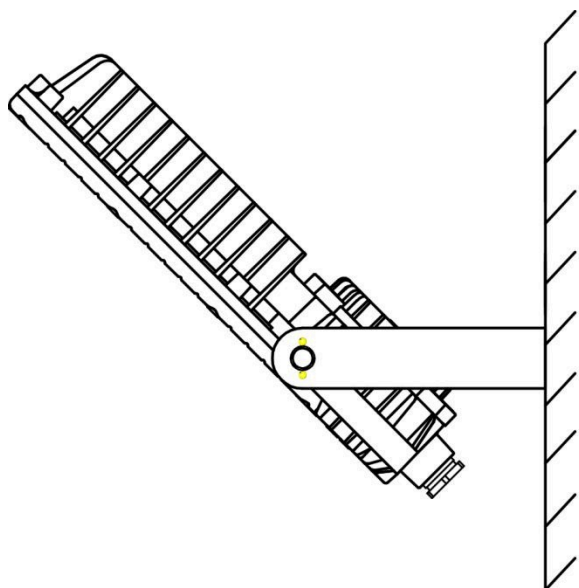


· Product Dimensions

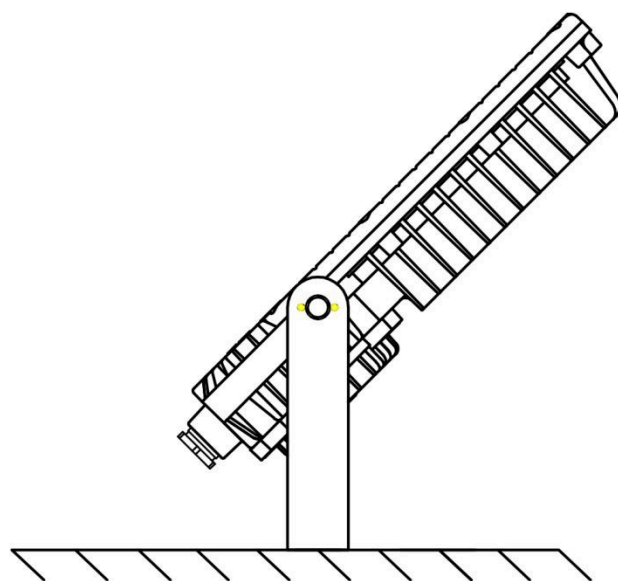




• **Installation Diagram**



Wall Mount (b)



Base Mount (z)

