




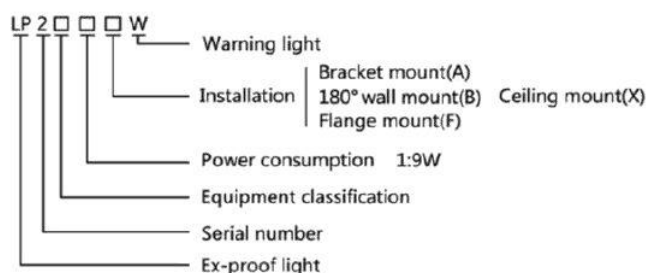
## LP2X Ex LED Warning Light

 	<p><b>Application</b></p> <p>LP2X Ex LED warning light was designed specially to offer the signed and warning system in a variety of Hazardous Area applications like oil &amp; gas industry, chemical industry, marine and offshore platform, both indoor and outdoor areas.</p> <p>and is suitable for explosive gas atmosphere place to zone 1 and zone 2; Applicable to Ex II A and Ex II B , Ex II C explosive gas atmosphere. Suitable for explosive dust atmosphere zone 21, zone 22. Suitable for T1 - T6 temperature class.</p> <p><b>Major functions and features</b></p> <ul style="list-style-type: none"> <li>• Aluminum alloy body.</li> <li>• PC lens is processed by the professional optics design.</li> <li>• Tempered glass clear lamp housing with the features of 4J energy impact resistance and thermal shock resistance.</li> <li>• Flameproof enclosures "d" structure design to offer more reliable explosion proof quality.</li> <li>• Specialized corrosion resistance, vibration resistance and water &amp; dust proof design, both indoor and outdoor application in the harsh conditions.</li> <li>• High duty LED light source to ensure long life operation (100000h) and superb energy saving.</li> <li>• Constant current design to guarantee the operation stability.</li> </ul>
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### Specifications

Standard	IEC 60079-0 : 2011, IEC 60079-1 : 2007-04, IEC 60079-31 : 2008 ; EN 60079-0 : 2012, EN 60079-1 : 2007, EN 60079-31 : 2009 ;		
Marking	Ex d IIC T6 Gb , Ex tb IIIC T85°C Db IP66  II 2 G Ex d IIC T6 Gb,  II 2 D Ex tb IIIC T85°C Db		
Certificate No.	IECEX CQM 15.0002X	TÜV 15 ATEX 7675 X	
Issued by	CQM	TÜV Rheinland (0035)	
Light source	LED		
Rated Power	9W		
Rated Voltage	AC 110V-240V (50-60Hz)		
Anti-corrosion	C4/WF1/WF2		
Cable entry	M25*1.5 or NPT3/4 cable entry, suitable for ø10~ ø14mm <sup>2</sup> cable ≤2.5mm <sup>2</sup> conductor		
Installation	flange mount (F),bracket mount(A), ceiling mount(X), 180° wall mount(B)		
Operating mode	Flashing (frequency adjustable)	Color	Red/Yellow/White (optional)
Operating temperature	-40°C~+60°C	IP Rating	IP66
Humidity	10%~95%	Weight	8kg


### Model definition



#### Equipment Classification rules

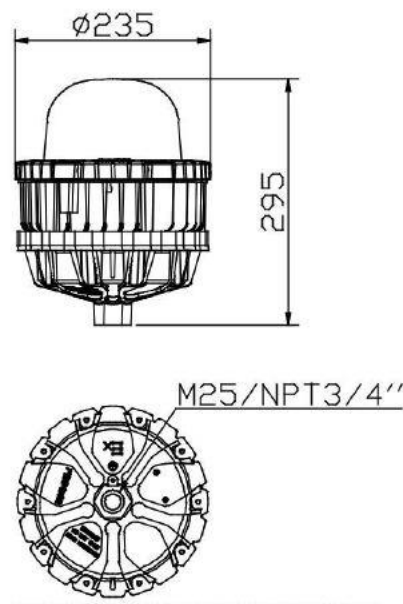
	Explosive gas atmosphere	Explosive dust atmosphere	Marking	Zone
0	II C		 II 2 G Ex d IIC T6 Gb	1,2
1		III C	 II 2 D Ex tb III C T85°C Db	21,22

e.g. : LP201XW Ex LED waning light, IIC explosive gas atmosphere , 9W, ceiling mount ,

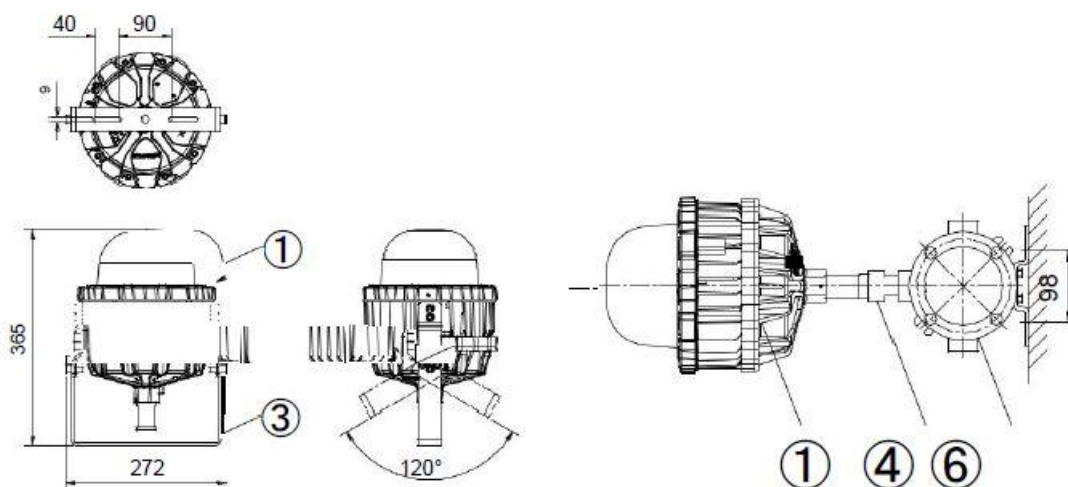
Marking :  II 2 G Ex d IIC T6 Gb , Applied to zone 1, zone 2.

#### Mounting dimensions

Unit mm



#### Installation




Bracket mount (A)

Wall 180°mount (B)

#### Order instruction

● Please choose the right model based on the model definition e.g: 9W Ex LED waning light, bracket mount, III C (explosive dust atmosphere zone 21), the model is LP211AW


Marking:  II 2 D Ex tb III C T85°C Db IP66.


● No lead wire is offered, please order it based on the specifications.

● Please refer the below table to select mounting accessories

Conditions of Use" for Ex Equipment or "Schedule of Limitations" for Ex Components, if any:

- Special condition for safe use:
- a). Repairs of the flameproof joints may only be made by the manufacturer or on behalf of the manufacturer and on his own responsibility. Repair in compliance with the values in tables 1 and 2 of IEC 60079-1 is not accepted.
- b). The external earth connection facility shall be connected reliably, property class at least A2-70, Installation torque 6 ~ 8 kgf / cm.
- c). The cable entry holes have to be connected by means of suitable

cable entry device with type of protection of  II 2 G Ex d II C Gb,

 II 2 D Ex tb IIIC Db, IP66. The cable entry device is approved in accordance with EN 60079-0:2012, EN 60079-1:2007 and EN 60079-31:2009, and which are covered by a separate conformity certificate.

- d). Fasteners related with flameproof joints shall have property class at least A2-70.
- e). When installation, use and maintenance, observe following standards EN 60079-10, EN60079-14, EN60079-17 and EN 60079-19.
- ATEX approval doesn't include accessories required in manual.
- DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT!

No	Name	Remark
1	LP2 EX LED Area light	
2	Bracket	
3	Stainless bolt	
4	Flexible connector G $\frac{3}{4}$ " (Out)/G $\frac{3}{4}$ " (inner)	
5	Flexible connector G $\frac{3}{4}$ " (Out)/M25(inner)	
6	Junction box G $\frac{3}{4}$ " (Out)/G $\frac{3}{4}$ "	
7	Straight pole G $\frac{3}{4}$ "	300mm
8	90°bend pole G $\frac{3}{4}$ "	400mm
9	CC gear turnbuckle	
10	Chain	450mm
11	Expansion screw	
12	30°bend pole G $\frac{3}{4}$ "	300mm
13	Guardrail pole G1 $\frac{1}{4}$ "	
14	U Clip	Offered by user
15	Junction box G $\frac{3}{4}$ " (out)/G $\frac{3}{4}$ "	
16	Flange pole G1 $\frac{1}{4}$ "	Offered by user



Ground schematic:

External ground: M4 \* 10 screws fixing screw material A2-70 or above ground wire diameter of at least 4 square mm, Installation torque 6 ~ 8 kgf / cm.

#### Note

- For high-power lamp , the surface temperature is high, it cannot be covered. And the distance from the object no less than 3m, to avoid burns or fire.