














## Installation precautions

-  Install according to GB3836.15 standard.
-  The installation of the product must be an electrician who holds an explosion-proof lamp installation permit.
-  Check the integrity of the lamps in the box.
-  To ensure that the cable of the lamp meets the requirements of  $\phi 9\text{mm} \sim \phi 12\text{mm}$ , it is forbidden to use 3 wires to directly lead into the lamp.
-  Make sure that the cable of the lamp is of sufficient length and not subject to tension or tension.
-  Use compression screws or light poles for the cables drawn from the lamp (torque recommended: tighten with a torque of about 25N.m).

## Product use precautions

-  Before use, make sure that the lamps are not damaged during transportation;
-  Before use, check that the voltage of the power supply is consistent with the voltage required by the lamp to avoid damage to the lamp due to voltage mismatches;
-  Keep the surface of the lamp housing and transparent parts clean to ensure good heat dissipation and light transmission performance;
-  Do not cover anything on the lamp, so as not to affect the heat dissipation performance and life of the lamp;
-  Non-professionals shall not disassemble or repair lamps;
-  During use, there is a certain temperature rise on the surface of the lamp, which is normal;
-  The lamp must be reliably grounded.

✱ **If the lighting appliance has other faults, please contact us or the local representative of our company immediately. We will provide solutions as soon as possible.**

- This Manual presents a complete and detailed coverage of the product as far as possible based upon the existing information; however, Company reserves the right to make partial modifications to the information contained in this Manual and product appearance without further notice. Please ask us or our local representative for updated information.

# TL-EX2 series LED Explosion Proof Light Instruction manual



This product is widely used as work lighting in dangerous places such as petroleum exploration, oil refining, chemical industry, electric power, etc.; suitable for places with high humidity and corrosion protection; suitable for explosive gas or dust environments in Zone 1, Zone 2, or Zone 21, Zone 22; Suitable for IIA, IIB, IIC explosive gas environment; suitable for temperature group T1~T6 group; suitable for ambient temperature -40°C~40°C.

## ❖ Characteristics Of Performance

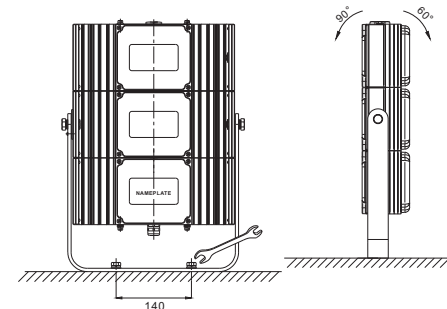
- The lamp adopts a modular design, and the module can be quickly replaced without welding on-site;
- The lamp housing is made of anti-corrosion aluminum, which is treated by anodizing or sprayed with high-grade anti-corrosion plastic powder. The mounting bracket and standard parts are made of SUS304 stainless steel, which can be used in high corrosive environments for a long time;
- Adopt a unique heat dissipation structure, semi-closed, and transparent heat dissipation structure to ensure efficient heat conduction, radiation, and convection, thereby ensuring the service life of the LED;
- The illumination is uniform in the illumination range of the lamp, and the illumination angle is 80X100 degrees, which fully utilizes the light;
- Can be connected in parallel, eliminating the junction box and installation costs;
- The light source adopts international brands, the whole light efficiency is greater than 125lm/W, and the power consumption is only 40% of the metal halide lamp;
- All key components of the power supply adopt world-renowned brands, which are efficient and stable;
- The protection level reaches IP66, which can effectively resist heavy rain;

## ❖ Main Specification

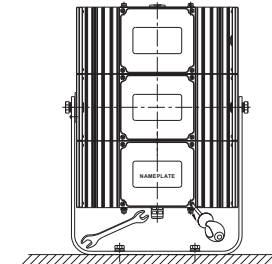
Input voltage rang	90~264VAC (30W~60W/100W/120W/150W/180W)		
	185~264VAC (70W/80W/240W/300W)		
CRI (Ra)	70 (80 optional)	Frequency	50Hz / 60Hz
CCT	5000K (3000K/4000K optional)	Light source	LED
Cable entry	M20X1.5	Light source lifetime	100,000hrs
Dimensions	338×212×93mm(30W~60W)	Net weight	5Kgs(30W~60W)
	338×337×93mm(100W/120W)		8.3Kgs(100W/120W)
	338×464×93mm(150W/180W)		12.4Kg(150W/180W)
	338×587×93mm(240W)		15.8Kgs(240W)
	338×711×93mm(300W)		19.5Kg(300W)

## ❖ Installation Steps

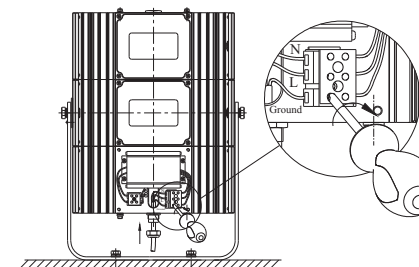
1. Fix the lamps and adjust the angle;



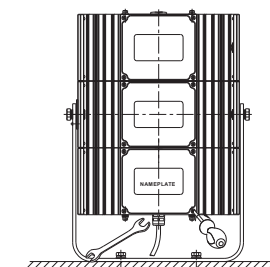
2. Open the back cover and explosion proof cable gland;



3. Connect the power cord and connect the power cord to the corresponding terminal polarity;



4. Lock the explosion proof cable gland, replace the back cover, the lamp can be used normally.



KSE-LIGHTS GmbH  
Thüngenfeld 8, 58256 Ennepetal  
Germany  
Tel.: +49 (0) 2333-98247 30  
Mail: info@kse-lights.com  
Web: www.kse-lights.com