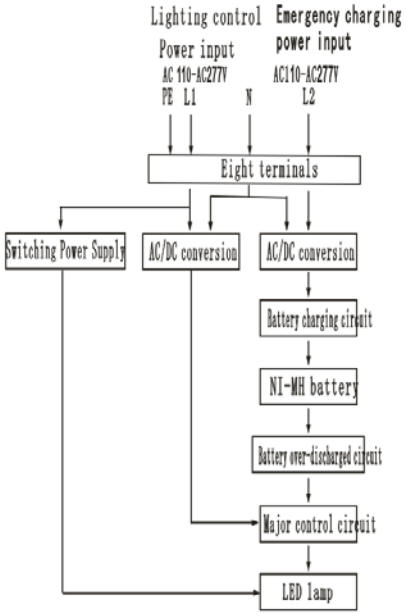
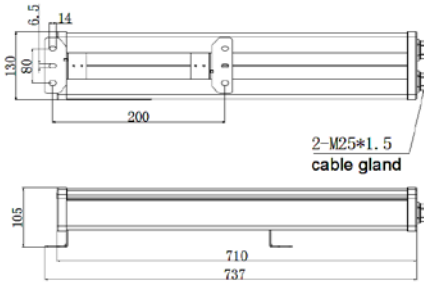
LY455B Emergency LED Light

LY455B-E1-V12

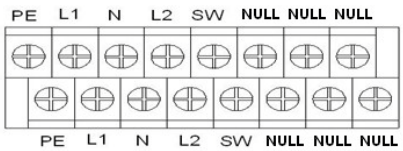
Emergency fundamental diagram



Amounting dimension (Unit: mm)



Terminal Diagram



Application

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Designed for wind turbine (tower, nacelle) inside lighting and other harsh environment

(For those need waterproof, corrosion resistant, shockproof applications).

Main functions and features

• Soft light beam

PC grain housing makes the light beam softly, to protect eyes

• External long life, energy saving and environmental friendly

The life of LED can reach more than 50,000hrs, and the light can save 50% energy than common •Emergency function.

In case of power failure, emergency duration is more than 90mins.

Specifications

Operating voltage	AC110V-AC277V	Frequency	50Hz ~ 60Hz
Power consumption	50W	LED life	≥50,000 hrs
Color temperature	5500K-6000K	color rendering index	Ra>72
LED luminance	100lm/W	Lighting angle	>200°
Working temperature	Emergency low temperature : -30˚C ~ +40˚C	Relative humidity	10% - 95% (no coagulation)
		IP Protection	IP54
storage temperature	-40˚C ~ +70˚C	Material	Housing: PC Base: aluminum alloy
weight	3.0 KG		

Operation and installation

• Check whether the power supply complies with rated voltage of the light.

• Secure the light on a smooth surface which has enough strength using M5 screws.

• Equipped with M25 cable gland (Can be customized per request), and connect the power cable and output cable through the cable gland.

• Power cable wiring diagram see left side

•After connecting the power line insert the attached cap into the icon SW SW tank. Emergency power start working at this time, and will automatically switch to the normal state when power on。(Do not insert the sub hat into the SW SW groove if no power connected for a long time to advoid the battery discharge deeply).

• Indicator light status : 1.Power starts Red,Blue light interactively flashes every 3sec
2.No battery Red,Blue light goes out.
3.Battery abnormality Red, blue light consective interactive-flashing
4.Charge Red light on
5.Full Blue light on

Notice

•The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isopropyl alcohol, carbon tetrachloride, cyclohexanone and so on, otherwise, the product will be corroision.

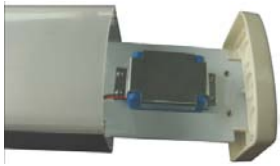
•Temperature rise when light working is normal phenomenon.

•Please do not open any components inside by yourself.

•Ni-MH battery inside the lamp is a consumable, the cycle life (IEC61951-2/2011/7.5.1.2) is 500 times. It is recommended to conduct charge-discharge one time every 3 months once a year.

•This product is a sealed structure, please do not be tampered with anyone other than registered installer.

Battery replacement



1. Open the side cover, pull up the connector
Replace the battery and close the side cover

2. Tightly screw down the screws

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Notice of SW short-circuit wire of emergency light

Please refer to the below instruction how to connect the black SW short-circuit wire to bar terminals regarding to the emergency light which has the bar terminal block inside.

1、After connected to AC power, please connect the black SW short-circuit wire to the bar terminal block. Refer to Fig. 1

Note： The position of SW short circuit wire connection is to connect the fourth terminal from the right in the first row and the fourth from the right in the second row

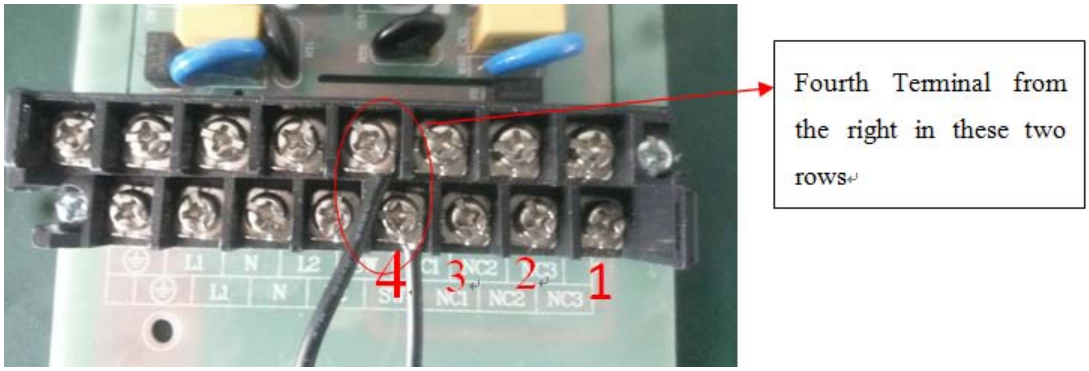

Fig.1

2、When the lamp is not connected to AC power over a month, pull out the black SW short circuit wire from the bar terminal blocks and put it into the accessories bag. Refer to fig.

Fig.2