

[Surround lighting lamp]

[in the fire main purpose]

For the firefighters can respond to the needs of various types of relief scene of disasters, often need to perform various tasks disaster installations and equipment of rescue or salvage of life; for night or low-light located in addition to the environment, such as the lighting device can be supported by appropriate, will contribute to better carry out the task. The available types of installations and equipment which include: Pets and assembly use (eg: strong emitter group - Fire Equipment Newsletter No. 50 windows), lighting devices fitted to the various types of fire-fighting vehicles (eg: truck-mounted type lighting Lighthouse - after the first 99 fire Newsletter equipment window), towed by the vehicle to be used independently of the field devices (such as: mobile disaster relief searchlight tower - fire Newsletter section 291 equipment window) and so many different types of disaster relief units according to their needs to choose the appropriate type for use.

The introduction of this equipment - surround lighting lamp, its principle is to use column mode, the device at the top of the column and a heat lamp, lamppost round body with high transmittance characteristics of a special material, lifting to a certain height, and with a commanding 360-degree field of lighting, lighting effects to achieve the three-dimensional space around the unit area, the introduction of the use of units for domestic disaster relief.

[Performance Moroto outline]

In the equipment shown in Figure 1 as an example:

(a) body lighting columns to lift pressure controlled.

(Ii) after the lifting body lamppost lighting a height of about 4.5 meters, the time required for about 30 seconds.

(C) lighting lamppost body material with high light transmittance artificial synthetic fibers.

(Iv) illumination angle of 360 ° surround lighting effects.

(V) control switch: including the power switch, and lighting switches inflatable rise start switch.

(Vi) Lighting: 1,000 W over 95,000 lumens.

(Vii) the use of 110 V voltage.

(VIII) with a 3-point fixed rope, can withstand wind speed 40 kilometers per hour.

(Ix) one person to complete erection within 5 minutes.

(X) Brightness: up to 10,000 square meters illuminate (about 3,000 pyeong).

(Xi) the weight of 25 kg.



Figure 1: This item image lighting, lighting control equipment turned on before and after .



Figure 2-1: The item of equipment according to the front, we can see the simplification of the control system, and the convenience of carrying a single person . Figure 2-2: After this item of equipment depending on the photo, it can be seen before its uninflated use retractable shade and lighting situations . Figure 2-3: This item usually is not used at the time of equipment, you can use the dust cover (shown in blue) trap. Figure 2-4: When this item of equipment used outdoors, such as bad weather, you can use the protective cover (red in the figure) covering to protect the control switch .



Figure 3-1: The circular ring field illumination lamp lamppost body expand, inflatable image before the use.
 Figure 3-2: The appearance of the image at the top of the lamp holder, lighting and protective frame coated in the shade.
 Figure 3-3: The body design of round lamppost junction of three fixed rope, avoid outdoor use, round body lamppost by the impact of the wind speed .



Figure 4: The control switch device, comprising: a power switch (left), inflatable UP switch (middle) and lighting start switch (on the right).

[Caution]

(a) with overload protection device, although the device itself, but should pay attention to whether the

power supply voltage of 110 V, in order to facilitate smooth operations.

(B) Notwithstanding the lamps located on top of the framework for the protection of shade, but prior to use and when to use the lift after closing down, avoid rapid fall and impact.

(Iii) the precursor round lamppost away, you should turn off the lights, and keep continuous airflow plenum for about 3-4 minutes, to facilitate cooling, avoid circular lamppost body lowered when the retractor, caused by temperature damage.



Figure 5: The former retractor, open round lamppost gas release openings of the lower side of the body, until the body of the air, and then gradually to the retractor.