

Document No.: LNK-OM-SL2&W

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# **Lifejacket Light**

**Product Code: LNK-SL2 / LNK-SL2W**

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## Section I Purpose

This set of instructions serve to guide users on how to operate and maintain LNK-SL2 & LNK-SL2W Lifejacket Lights properly.

## Section II Description

### 2.1 Introduction

LNK-SL2 & LNK-SL2W Lifejacket Lights are alkaline battery-powered emergency lights designed specifically for inflatable life jackets and compatible with all kinds of lifejackets. The lifejacket lights serve to indicate the location of survivors and attract the attention of rescue services.

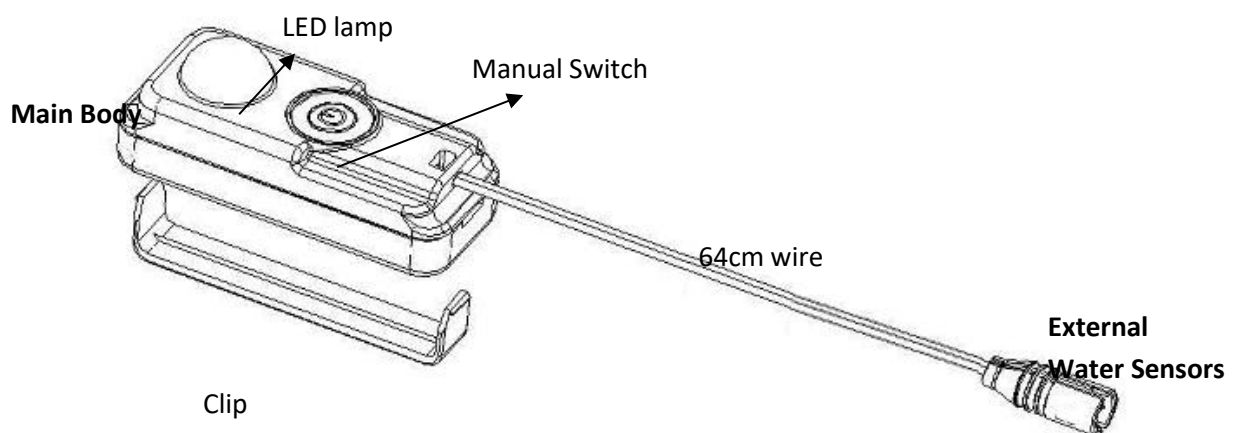
When the water sensors of the lifejacket lights come into contact with water, the lights will be automatically activated and output flashing white light of more than 1.2cd continuously for at least 26 hours (13 hours at -1°C). They can be manually turned off and on while the water sensors are in contact with water.

**LNK-SL2:** Outputs flashing light only, can be manually turned off and on while the water sensors are in contact with water.

**LNK-SL2W:** Outputs the operating sequence “FLASHING – STEADY – SOS – OFF”, controlled via the manual switch while the water sensors are in contact with water.

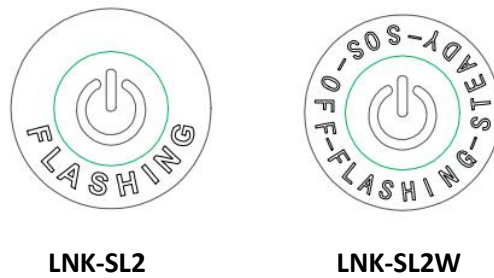
### 2.2 Product Structure

2.2.1 LNK-SL2 & LNK-SL2W Lifejacket Lights consist of a main body with battery, LED lamp, external water sensors, manual switch and an installation clip. The structure is shown as below in [Figure 1](#).



[Figure 1](#) Product Structure

2.2.1 LNK-SL2 and LNK-SL2W Lifejacket Lights can be identified by the manual switch label as in [Figure 2](#) and the product code on the product mark in [Figure 3](#).



[Figure 2](#) Manual Switch Label

## 2.3 Technical Parameters

[Table 1](#) Technical Parameters

Technical Parameters	Specification
<b>Battery Type</b>	Alkaline batteries
<b>Light Source</b>	LED
<b>Chromaticity</b>	White
<b>Light Type</b>	LNK-SL2: Flashing LNK-SL2W: Flashing-Steady-SOS-OFF
<b>Flash Frequency</b>	50~70times/min
<b>Luminous Intensity</b>	$\geq 1.2\text{cd}$ (Regulatory requirements $\geq 0.75\text{cd}$ )
<b>Operation Life</b>	$\geq 26\text{h}$ over 1.2cd (13h at $-1^{\circ}\text{C}$ )
<b>Storage Temperature</b>	$-30^{\circ}\text{C} \sim +65^{\circ}\text{C}$
<b>Working Temperature</b>	$-1^{\circ}\text{C} \sim +30^{\circ}\text{C}$
<b>Expiry Date</b>	5 years from date of manufacture
<b>Weight</b>	45g (including clip)
<b>Dimensions</b>	Main Body: 62.5*25.4*23.8mm Clip: 61.2*9.5*11.7mm Wire Length: 64cm
<b>Activation</b>	Automatically water-activated Manual on/off (in water)
<b>Performance</b>	Fire-resistant, Oil-resistant, Mould-proof, Corrosion-proof, Waterproof
<b>Environment Performance</b>	Meet RoHS and asbestos-free requirement
<b>Standards</b>	IMO Res. MSC.81 (70), as amended, EN 60945:2002 incl. IEC 60945 Corr.1:2008, ISO 24408:2005
<b>Certifications</b>	MED, USCG, CCS

## 2.4 Product Mark

2.4.1 The product mark of LNK-SL2 & LNK-SL2W Lifejacket Lights are shown in Figure 3 below.



Figure 3 Product Mark

2.4.1.1 The product mark will be displayed on labels or engraved on the main body of the light. The font used on the product mark may vary depending on specific requirements, but the content itself will remain unchanged.

2.4.1.2 The product mark contains:

- ① Basic information: Product name, Manufacturer name and its company website, Product code, Fulfilled SOLAS & USCG standards, Safety caution
- ② Wheel Mark, where "0474" represents the notified body number and "YYYY" represents the mark affixed year.

2.4.2 The manufacturing (MFG) and expiry (EXP) dates of LNK-SL2 & LNK-SL2W Lifejacket Lights are printed on the product body in the form of MM/YYYY, where "MM" represents the month of manufacturing/expiry, "YYYY" represents the year of manufacturing/expiry.

## Section III Installation Instructions

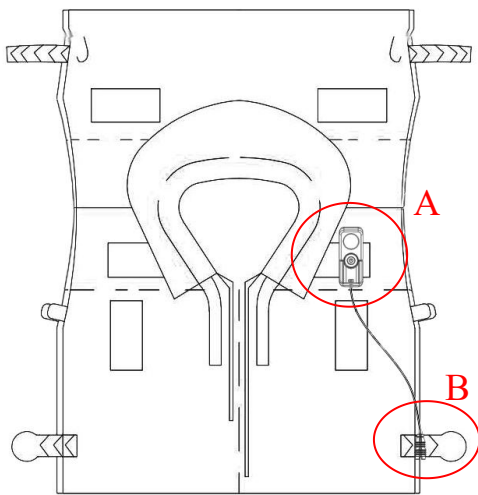
### 3.1 Compatibility

LNK-SL2 and LNK-SL2W Lifejacket Lights are compatible with all types of lifejackets.

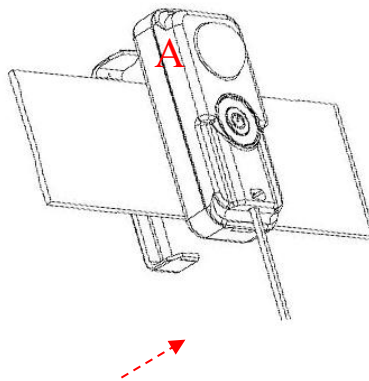
### 3.2 Installation Guidelines

LNK-SL2 and LNK-SL2W Lifejacket Lights are supplied with fixing clip. The clip is normally placed behind a belt or fiber near the shoulder of the lifejacket as shown in [Figure 4](#) or installed on the inflatable lifejacket blowpipe through the bracket as shown in [Figure 7](#) and [Figure 8](#), and the water sensors should be installed at a lower position on the lifejacket. The user must ensure that the light is attached to the lifejacket firmly.

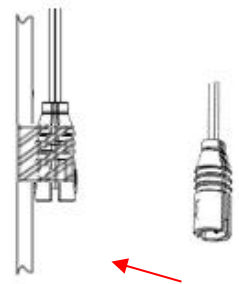
- 3.2.1 The main body with the LED lamp should be firmly mounted on the lifejacket and the LED lamp should be clearly seen in all directions of the upper hemisphere without any obstacles.
- 3.2.2 The external water sensors should be firmly attached to a suitable position as [Figure 6](#) shows. The installation position must ensure that the water sensors will be immersed into water when the lifejacket drops into the water.
- 3.2.3 Installation procedures on the lifejackets with webbing are shown as below. [Figure 4](#) shows an example of the installation position of the light. [Figure 5](#) and [Figure 6](#) shows the installation steps of the lights.



[Figure 4](#)



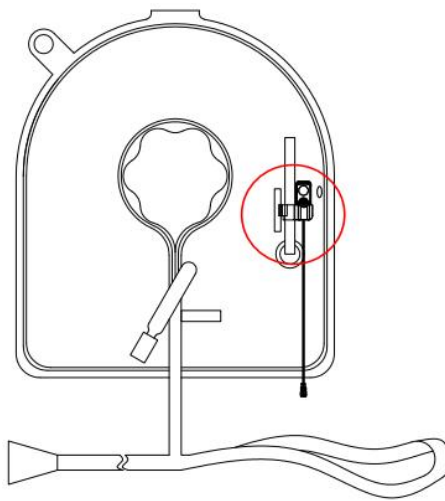
[Figure 5](#)



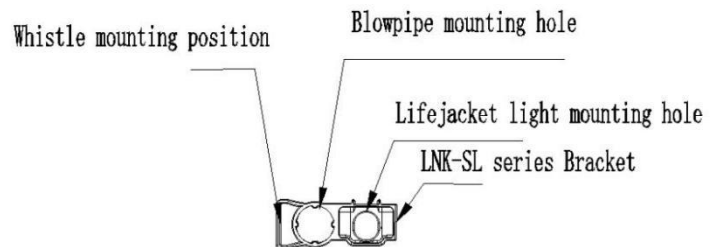
[Figure 6](#)

- 3.2.4 Installation procedures on the inflatable lifejackets without webbing are shown as below. After installing the blowpipe corresponding to the bracket of LONAKO LNK-SL2

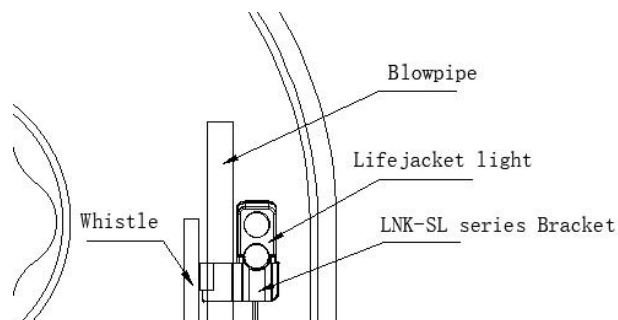
& W ifejacket lights in place, then pass the external water sensors of the lifejacket light through the mounting hole of the bracket and install the life jacket light in place, whistle can be installed on request, and the installation effect is shown in [Figure 9](#).



[Figure 7](#)



[Figure 8](#)



[Figure 9](#)

## Section IV Storage Requirements

### 4.1 Environment Requirements

LNK-SL2 and LNK-SL2W Lifejacket Lights should be stored in a clean, non-polluted and liquid-free environment.

### 4.2 Temperature and Humidity Requirements

Storage temperature should be within  $-30^{\circ}\text{C} \sim +65^{\circ}\text{C}$  ( $-22^{\circ}\text{F} \sim +149^{\circ}\text{F}$ ) and the environment humidity should be less than 80%.

## **Section V Service Life & Safety**

5.1 The service life of LNK-SL2 and LNK-SL2W Lifejacket Lights are five years from the date of manufacture. During the service life of the lights, storage and application conditions should meet the requirements listed in Section 4.

5.2 Once the light has been activated, it can work continuously for more than 26 hours at over 1.2cd (13 hours at -1°C). After the battery runs out, the light should be removed from the lifejacket and replaced with a new unit.

5.3 LNK-SL2 and LNK-SL2W Lifejacket Lights contain batteries. These processes must be handled correctly:

5.3.1 Do not dismantle battery pack.

5.3.2 Do not make any external electrical connection.

5.3.3 Do not recharge.

5.3.4 Do not incinerate.

5.3.5 Store between -30°C~+65°C.

## **Section VI Inspection**

### **6.1 Routine Inspection**

LNK-SL2 and LNK-SL2W Lifejacket Lights should undergo inspections prior to installation and should be inspected regularly alongside lifejackets after installation.

### **6.2 Inspection Methods**

6.2.1 Visually inspect the light for any sign of damage or corrosion.

6.2.2 Test the lights by immersing the water sensors into water. The lights should be activated immediately. Upon pressing the switch on the main body manually, the light turns off (LNK-SL2) or switch functions before turning off (LNK-SL2W).

6.2.3 Remove the water sensors from the water and dry it. The light can be manually turned off with the switch and cannot be turned on again after 2 seconds unless the water sensors contact water once more.

6.2.4 If any defects are observed in the appearance or functionality of the lights, it should be regarded as defected. The defective light should be removed from the lifejacket and replaced with a new unit.

## **Section VII Maintenance**

LNK-SL2 and LNK-SL2W Lifejacket Lights are maintenance-free, but during the storage period, do not touch the water sensors and ensure the water sensors are kept dry at all times.



## **Section VIII Repair & Disposal Instructions**

### **8.1 Repair Instructions**

LNK-SL2 & LNK-SL2W Lifejacket Lights are non-repairable. Dispose and replace used, expired or defective lights with a new unit.

### **8.2 Disposal Instructions**

Disposal of used, expired or defective lights should be in accordance with local regulations. This process should be done through an approved environment disposal agent.

## **Section IX Packaging Information**

9.1 The lights will be packed by inner cartons and a master carton.

9.2 Each inner carton contains 80 units of lifejacket lights and 82 pieces of clips ( 2 spare clips).

9.3 Each master carton contains 5 inner cartons with a total of 400 units of lifejacket lights. The dimensions of the master carton are 420\*305\*400 mm and the gross weight of each master carton package is about 20.3 KG.

**(END)**