

This extra bright **SOLAS** approved locator light is suitable for fitting to a wide range of safety devices, immersion suits and all types of life jackets. These include inflatable jackets or inherently buoyant foam types. The **RSYD-A1** also assists with crew overboard recovery when fitted atop danbuoys and other position markers.

Description

The **RSYD-A1** activates automatically to emit a flashing signal when the wearer or safety equipment enters the water and the device's sensors become immersed in seawater. The locator light uses a trailing wire contact sensor to ensure the bright LED lights automatically and remains lit even if the lens unit is not in the water. It can be manually turned off in the water by reseating the activation cap onto the sensor body. Lightweight and powerful with a 5-year service life from date of manufacture, it is quick and easy to install and attaches securely to any webbing belt, clothing or locator light attachment point. The **RSYD-A1** is ideally suited to demanding applications where robustness and performance are paramount.



Installation

The **RSYD-A1** can be fitted to all types of life jackets, immersion suits or MOB safety devices. To aid installation it is supplied with a fixing clip which comprises of a tensioned, serrated two-sided clamp. The clip will firmly hold the light onto clothing, webbing of life jackets and immersion suits. Place the clip onto a webbing belt or appropriate attachment point at a location that places the light near the wearer's shoulder. The installer must ensure that the light can be attached securely and is positioned so as to provide maximum visibility when the wearer or safety device is in the water.

Operation

The **RSYD-A1** is armed, made ready for use by pulling the red plastic loop to unseat the activation cap from the sensor body. The light will then be ready to activate automatically when the device's sensors are placed in water. It can be turned off or on while in the water. When the sensors are dry and the activation cap is replaced, the light cannot be manually turned on until the sensors are again immersed in water with the activation cap unseated. This provides protection against unnecessary use and battery depletion when the light is out of the water.

Test the light by pulling the red plastic loop to unseat the activation cap from the sensor body and placing the trailing wire into water. The light will activate. Turn off by simply reseating the sensor's end cap.

Maintenance

The **RSYD-A1** is maintenance free but the following checks should be conducted at least annually;

- Inspect the light for signs of damage
- Test the light by immersing it in water, after the activation cap is unseated – it should begin flashing. Turn it off by reseating the cap and dry the light thoroughly

Service Life

The service life of the life jacket light is five years from the date of manufacture. The expiry date of the light is shown on the label affixed to the device. On expiry, the light should be removed from the life jacket or safety device by carefully removing the securing clip and replacing with a new light. Dispose of the expired light in accordance with local requirements.

Features

- ✓ Compact size, lightweight and robust design
- ✓ Extra powerful LED light for lower energy consumption and longer life
- ✓ Quick and easy installation
- ✓ Trailing wire contact sensor ensures the bright LED lights automatically and remains lit even if the lens unit is not in the water
- ✓ Fits and locks with tensioned, serrated two-sided clamp, providing security & stability against sudden panic moves
- ✓ Lithium battery with 5-year lifetime, from the indicated production date and more than 8 hours of continuous use
- ✓ Made of durable plastic
- ✓ Waterproof, shielded via ultrasound welding and epoxy resin, for extra safety

Technical Specifications

Lamp :	RG white LED
Power source:	Lithium battery
Flash Frequency:	50~70 times/min
Luminous Intensity:	≥0.75cd (Actual:2.5cd)
Operational Life:	≥8h over 0.75cd (Actual: 20h)
Working Temperature:	-1°C ~ +30°C
Storage Temperature:	-30°C ~ +65°C
Service life:	5 years from date of manufacture
Environment protection:	Waterproof, shielding via ultrasound welding and epoxy resin
Dimension:	Main body: 58mm x 27mm x 50mm high Clip: 51mm x 20mm x 33mm
Weight:	30g (including clip)
Environment Performance:	Meet RoHS and asbestos-free requirement
Certificates:	Complies with SOLAS 1974 and current amendments. Certifier: CCS
Manufacturer:	Rongsheng Lifesaving Equipment co., Ltd.

Safety

The **RSYD-A1** LED light contains a lithium battery and should be handled with due care:

- Do not dismantle the battery pack
- Do not make any external electrical connections to the battery pack
- Do not attempt to recharge
- Do not incinerate
- Store between -30°C - +65°C

