

# AQERSL

# AQUA SPEC

## Electronic Rescue Signal Light

Portable visual distress signal device for boats to output white light SOS signal under emergency situations at night. Manually activated, it can work continuously for more than 20 hours.

### Features and benefits

- > Powerful white flashing LED dome light
- > Manually activated
- > 20 hours continual operation
- > IP67 waterproof and self-floating
- > Fixing tether designed for easy attachment
- > Functional, simple, compact design
- > Tamper-proof



### Technical Specification

Battery	User Replaceable 2 C-cell batteries for operation (not included)
Light source	LED
Chromaticity	White
Flash Frequency	50 - 70 times/min
Luminous Intensity	$\geq 0.75$ cd (10km visual distance)
Operation Time	$\geq 20$ h over 0.75cd (room temp)
Temperature Range	30.2°F - 86°F (-1°C - 30°C)
Weight	10 oz. operational
Dimension	2.4 in x 8.1 in
Activation	Manually twist the light to turn on or off
Waterproof Level	IP67
Performance	Fire-resistant, Oil-resistant, Mycete-proof, Corrosion-proof, Water-proof
Environmental Performance	Meets RoHS and asbestos-free requirement
Standards	USCG 46 CFR 161.013; COLREGS 72 ANNEX 4
Certifications	USCG, MED, CCS

## Preparation

- › Fit batteries before use.
- › Push the upper and bottom shells of the lamp body toward each other. Twist the lamp body to align the 'PUSH TO OPEN' mark. Release to open the light body.
- › Install batteries as the negative end towards the bottom shell and positive end towards the LED lamp.
- › Close the unit by aligning the scale line on the bottom shell with 'PUSH TO OPEN' mark. Push the upper and bottom shells of the lamp body toward each other and twist the lamp body to align with 'OFF' and then release.
- › Check that the waterproof rubber ring is not missing or misplaced to ensure the waterproof performance.

## Operation

- › In an emergency situation at night, activate the light by twisting the scale line to 'ON'. Point the LED lamp upward and raise as high as possible to ensure the maximum visibility.
- › In case of a daytime distress situation, hang the daytime distress flag on the mast, display it by hand, wave it on items such as boat hook, paddle or fishing rod. Or it can be laid flat on the deck to attract aircraft.

## Storage

- › The light should be stored in a clean, non-pollution and liquid-free environment.
- › Storage temperature should be within -30 – +65 (-22°F – +149°F) and the environment humidity should be less than 80%.
- › Store with other safety and life-saving devices to ensure it can be easily found during an emergency.

## Maintenance

The light needs to be inspected regularly together with the other safety and life-saving devices, or every three months.

- › Inspect unit for signs of damage or corrosion
- › Operate the light and test whether the light is functioning well
- › Unfold and check the distress flag for corrosion or damage

The light cannot be repaired. If there are any defects or failures, dispose of the product and replace with a new one.

Replace the batteries if the unit has been operational for more than 7 hours.

## Safety

When assembled with batteries, the light must be handled correctly:

- › Do not dismantle the batteries
- › Do not make any external electrical connection
- › Do not recharge the batteries
- › Do not incinerate
- › Store between -30°C and +65°C

## Approvals



MED: 1.2b  
Standards: IMO Res. MSC.81 (70)  
EN 60945:2002  
IEC 60945  
Corr 1:2008  
ISO 24408:2005



USCG: 161.110  
Conforms to title 46 CFR 161.013 and approved for carriage (33 CFR 175.130) to substitute, or replace pyrotechnic marine flares used for required nighttime visual distress signals for vessels up to 65' in length.



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**Revere Survival**  
Email: sales@reveresurvival.com  
TEL: (904) 503-9733  
www.reveresurvival.com