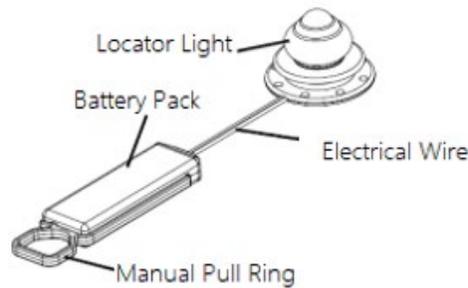


### L8-5 TECHNICAL INFORMATION

The ACR L8-5 Personal Flotation Device (PFD) Light is a reserve battery powered marine survivor locator light which is secured to a life jacket or life preserver for the purpose of facilitating location of persons who have survived an emergency at sea. The light is designed and manufactured to meet USCG requirements (46 CFR Subpart 161.012) for Personal Flotation Device Lights.

### BEFORE YOU BEGIN

Please read the following instructions in their entirety prior to beginning the installation process.



### L8-5 DESCRIPTION

Once the manual pull ring (see image above) is removed, the L8-5 will automatically activate when the light is immersed in water. Once activated, a steady white light of more than 1 candela light intensity will be output for at least 8 hours continuously. Note: The manual pull ring is supplied with the light but is packed separately.

### MARKING

The L8-5 is marked with the Manufacturing Date (MFG) and the Expiry Date (EXP) of the light. MFG is equivalent to the batch or lot number of the light.

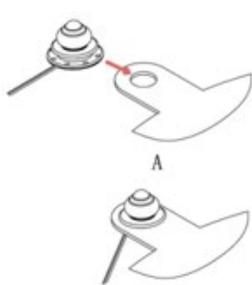
### INSPECTION

Visually inspect the battery pack for any swelling, deformation, or moisture and to see if it is worn, scratched, or cracked. If any defective appearance is found, the defective light should be removed and replaced by a new light. After inspecting the light, the inspector should sign and write the inspection date in the inspection table printed on the case of the battery pack. Additionally, ensure that the manual pull ring is still firmly in place on the battery pack and that the current date does not exceed the expiry date listed on the product.

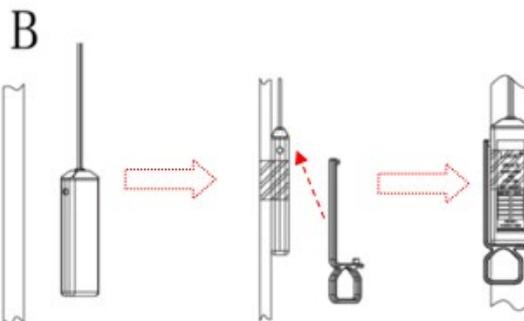
### INSTALLATION

**Note: The L8-5 must be installed on a PFD that is specifically designed with a tab containing a circular hole intended to hold a PFD locator light (eg. Figure 1). The material of this type of PFD is commonly a urethane-coated nylon material but can vary as long as the type of PFD includes the aforementioned tab with circular hole and is similar to the style of PFD shown in Figure 4.**

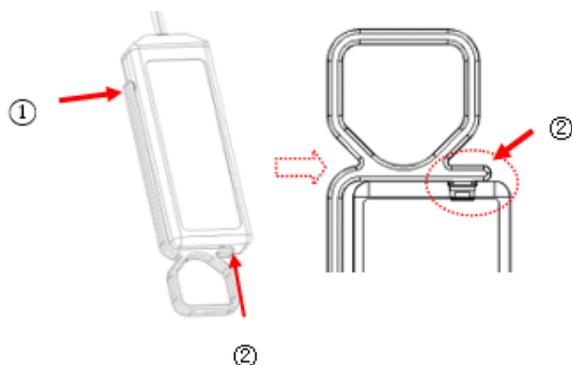
1. Install the locator light in the circular hole as shown in Figure 1. The light should be firmly mounted on the device and the upper hemisphere of the light should have 360° visibility.
2. Attach the battery pack firmly to the PFD strap (as shown in Figure 2) with an over-the-counter transparent adhesive tape (eg. Scotch Tape or Sellotape). Note: Avoid placing the tape over the water entry holes on the side and at the bottom of the light as these holes should be covered by the manual pull ring when it is installed (see Figure 3). Ensure that the adhesive tape does not cover the Inspection Record Table on the battery pack and that an adequate amount of tape is used to secure the battery pack firmly to the PFD (the tape should wrap fully around the battery pack and PFD strap at least two times). As shown in Figure 4, the battery pack should be mounted in a position which ensures that it will be immersed in water in a usage scenario.
3. Attach the manual pull ring to the battery pack as shown in Figure 3. The two plugs on the ring should be pressed down firmly as far as possible into the water entry holes of the battery pack (locations #1 and #2 shown in Figure 3). A tool such as a flathead screwdriver may be used to press the plugs down in to the water entry holes. After installation, visually check that the two plugs are fully inserted into the water entry holes and that the pull ring is flush with the case of the battery pack.
4. After installation, if the PFD needs to be folded, make sure that the manual pull ring is not bent or pulled out during the folding process. Be sure to follow these instructions carefully to prevent damaging the PFD or interfering with its performance.



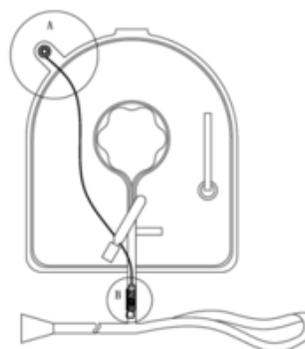
**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**

**STORAGE REQUIREMENTS**

The L8-5 should be stored in a clean and liquid free environment. The storage temperature should be within -22°F ~ +149°F (-30°C ~ +65°C) and the environment humidity should be less than 80%. The product should remain in the original packaging until installation occurs.

**SERVICE LIFE**

The service (battery) life of the L8-5 is 5 years with a 2-year shelf life (assuming the above storage requirements are met and as long as the battery pack has not come into contact with water). The L8-5 cannot be turned off once activated and will therefore need to be replaced with a new light in the event an inadvertent activation ever occurs.

**MAINTENANCE & REPAIR**

The L8-5 does not require any maintenance. Users shall simply ensure that they adhere to the inspection, installation, and storage requirements listed in this document. The L8-5 cannot be repaired.

**CUSTOMER SUPPORT INFORMATION**

<p><b>1.) For general product support information</b>, please contact          ACR Technical Service: Email: <a href="mailto:service@acrartex.com">service@acrartex.com</a>          Tel: +(954) 981-3333          Fax: +(954) 983-5087</p>	<p>Address: Technical Service          ACR Electronics, Inc.          5757 Ravenswood Road          Fort Lauderdale, FL 33312 USA</p>
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**LIMITED WARRANTY**

This product is warranted against factory defect in material and workmanship for a period of one year from date of purchase or receipt as a gift. During the warranty period ACR Electronics, Inc. will, at its option, repair or replace the unit at no cost to you for labor, materials or return transportation. For further assistance please contact our Technical Service Department.

This warranty does not apply if the product has been damaged by accident or misuse, or as a result of service or modification by other than the factory. Except as otherwise expressly stated above, the COMPANY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER WITH RESPECT TO THIS PRODUCT. The Company shall not be liable for consequential or special damages.