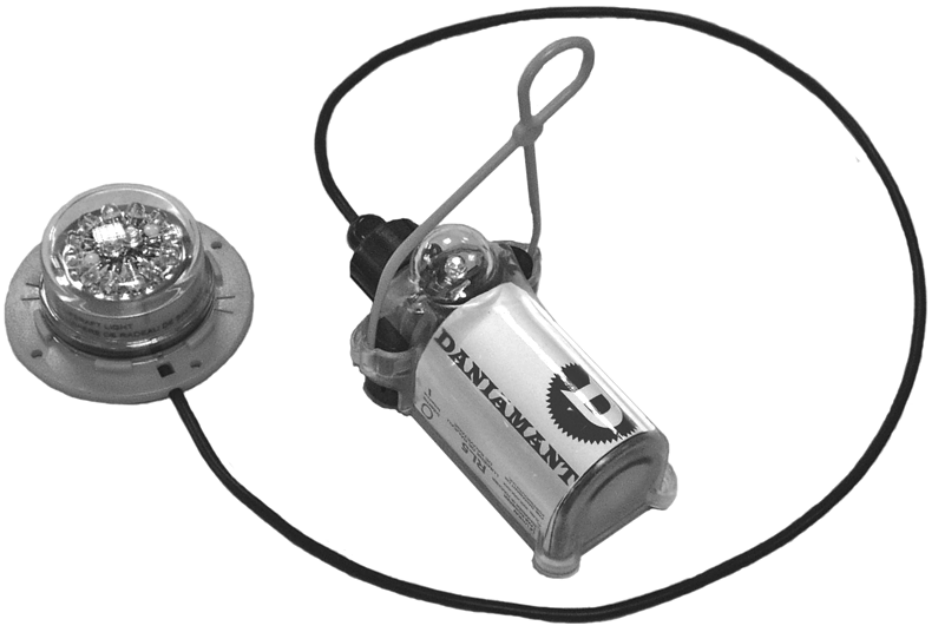




DANIAMANT

RL5 Liferaft light also applies to branded variants

Installation and Maintenance Instructions



Description

RL5 The RL5 is a high intensity flashing light for mounting externally on liferafts, together with a continuous light for internal illumination of the raft. The unit is fully sealed and watertight, and comprises a battery and switch unit which houses the internal lamp, and a flying lead terminating in the external flashing lamp. The lead is detachable to allow the battery unit to be changed. All lamps are maintenance-free solid-state LEDs. A single-point breakaway toggle is provided to switch on both lamps; lamps can be controlled individually if required.

Daniamant Limited

Unit 3, Admiral Park, Airport Service Road, Portsmouth, UK PO3 5RQ
+44 (0)23 9267 5100

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Installation

The exact method of mounting will depend on the proposed installation. The fixings of the RL5 assembly have been designed to offer a wide choice of mounting methods.

Light The external lamp has a dome surrounded by a collar with four securing holes.

Battery The battery case of the RL5 has four fixing loops.

Operation

When installed for automatic operation, the light will illuminate and flash when the raft is inflated.

Slide switches on the sides of the battery pack may be pressed down and up to turn each lamp on or off.

Maintenance

Routine service and battery change

RL5 units are maintenance free, but the following checks should be made at each service of the liferaft:

1. Check date on battery pack. Battery packs must be replaced when the expiry date is reached. Consequently, if the battery expiry date is earlier than the next liferaft service then the battery should be replaced.
2. Inspect light and batteries for signs of damage or corrosion. Remove connector, lightly grease battery connector 'O' ring with silicone grease and replace connector.
3. Pull toggle from the RL5 battery unit – both lamps should illuminate and the external lamp should flash immediately. If lamps fail to operate, go to step 4. If lamps operate, replace toggle in battery pack and switch off lamps; test is complete.
4. If lamps still fail to operate, replace battery pack with checked unit and retest from step 3. If lamps continue to malfunction, replace complete RL5 assembly with a checked unit.

After use

The battery pack and external lamp must be changed after use.

Spare parts

Spare parts for this lighting system are available from Daniamant Limited, at the address shown on the front page.

Battery disposal

Dispose of used batteries in accordance with local regulations. This should be done through an approved environmental disposal agent.

Safety

RL5 lights contain a Lithium cell. This must be handled correctly:

- Do not dismantle light assembly housing
- Do not make any external electrical connection
- Do not recharge
- Do not incinerate
- Store between -30° C and $+65^{\circ}$ C

Health and Safety information

Daniamant lithium-powered marine safety light systems have a design life of as indicated on the product. The batteries are hermetically sealed pressurised primary Lithium/Sulphur Dioxide cells, and as supplied are electrically protected by diodes and a fuse, and are environmentally protected by a moulded plastic housing. In this condition the units pose no definable hazard to health.

Information on the composition and behaviour of these products is contained in the Product Safety Data Sheet, available on request.

Automatic operation



Although mounting methods will depend on the intended application, the single-pull toggle is intended to be attached to a suitable point on the liferaft such that it is dragged out of the battery unit when the liferaft is inflated, so illuminating both lamps. (For example, the battery unit may be attached to the roof of the liferaft, with the toggle being attached to a lower point by a lanyard.)

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