



Certificate no.:
TAE00004Y2

TYPE APPROVAL CERTIFICATE

This is to certify:
that the Light Fitting

with type designation(s)
RL8

issued to
Daniamant Ltd
Portsmouth, Hampshire, United Kingdom

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application:

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Vibration class	A
Degree of protection	68
Temp. class	N/A
Voltage (V)	3
Suitable for Hazardous areas	No

Issued at **Høvik** on **2024-09-24**

for **DNV**

This Certificate is valid until **2029-09-23**.

DNV local unit: **UK & Ireland CMC & VMC**

Approval Engineer: **Marcin Tobiasz**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.



Product description

"RL8 (including other brand variants)".

Position indication lights for survival craft and rescue boats, with flashing exterior and interior lights. The light consists of the external light with lead and the internal light with battery.

Application/Limitation

Approved as a position indicating position-indicating lights for life-saving appliances: for survival craft and rescue boat

Lights powered by batteries shall be marked with means of determining their age or the date by which they are to be replaced.

For compliance with SOLAS Regulation III/35 and III/36, fully detailed operations and maintenance manuals shall be supplied with each light.

Type Approval documentation

Technical Data Sheet 46-123N Issue 1 (C7096)
 Brochure 46-124N Issue 1 – (C7096)
 Installation and Maintenance Instruction RL8 Liferaft Light, 46-122 Issue 1 (C7097)

Test report No	Title	Date
24-02	RL8 Evaluation and test report	2024-06-18
124-28029-1	Switch operation used to activate lights: RL8 Internal Light and External Light	2024-06-27

Tests carried out

Tested in accordance with the requirements of:
 - IMO Res. MSC.81(70), as amended by IMO Res. MSC.200 (80), IMO Res. MSC.226(82) & IMO Res. MSC.323(89),
 - EN 60945:2002 incl. IEC 60945 Corr. 1:2008,
 - ISO 24408: 2005.

Marking of product

The product is to be marked with manufacturers name, type designation, serial or lot number and date of expire. The expiring date shall be marked in accordance with the LSA Code, item 1.2.3 as amended by IMO Res. MSC 48(66).

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the products listed in this certificate are in accordance with Transport Canada's requirements.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE