Certificate no.:
TAE000051V

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Light Fitting

with type designation(s)
M4-A and W4-A

issued to
Daniamant A/S
Slangerup, **Denmark**

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)	**2.2**
Suitable for Hazardous areas	**No**

Issued at **Høvik** on **2025-04-14**
This Certificate is valid until **2030-04-13**.
DNV local unit: **Denmark CMC**

for **DNV**

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
"M4-A and W4-A"
Manually activated (M4-A) or manually and water activated (W4-A) position-indication flashing lights for life jackets.

Application/Limitation
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
Certification in accordance with Class Programme DNV-CP-0338, September 2021.

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.

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.

Marking of product
The product is to be marked with manufacturers name, type designation, serial or lot number and date of expire. The marking shall comply with the LSA Code (IMO Res. MSC 48(66)), item 1.2.2.9 and 1.2.3 and Lifesaving Appliance Standard TP 14475E Part II Ch. 15.

All instructions and markings accompanying the life-saving appliances, or printed directly on the rescue boats, shall be in both English and French, as per "Procedures for Approval of Life-Saving Appliances and Fire Safety Systems, Equipment and Products" (TP14612E) Ch.2.2.1.3.

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.

Manufactured by:
Daniamant A/S, Industrivej 24 C, Slangerup, Denmark