



Certificate No:  
**TAE00004NT**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Light Fitting**

with type designation(s)  
**Multi-purpose luminaire 4010**

Issued to  
**WISKA Hoppmann GmbH**  
**Kaltenkirchen, Germany**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

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

<b>Vibration class</b>	<b>B</b>
<b>Degree of protection</b>	<b>C(IP66/68)</b>
<b>Temp. class</b>	<b>D</b>
<b>Voltage (V)</b>	<b>230VAC/24VDC</b>
<b>Suitable for Hazardous areas</b>	<b>No</b>

Issued at **Høvik** on **2023-03-24**

This Certificate is valid until **2028-03-23**.

for **DNV**

DNV local unit: **Hamburg – CMC North/East**

Approval Engineer: **Uwe Supke**

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**Marta Alonso Pontes**  
**Head of Section**

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 300,000 USD.



Form code: TA 251

Revision: 2022-12

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## Product description

Technical data:

Light type	LED
Operating voltage [V]	230 VAC / 24VDC
Emergency version	Battery Backup
Luminous flux [lm]	1200 - 7200
Light color [K]	4000, other colors optional
Lamp power [W]	8 - 48
Housing material	Polycarbonate Plastic
Ingress protection	IP66/ IP67/ IP68
Suitable for open deck	Yes

## Application/Limitation

Installation instruction of the manufacturer to be followed.

Location classes:

Temperature class:	D
Humidity class:	B
Vibration class:	B
EMC class:	B
Enclosure class:	C

## Type Approval documentation

### Tests carried out

Applicable tests according to Class Guideline DNVGL-CG-0339, August 2021 and

Applicable tests according to Class Program CP-0398, September 2021

### Marking of product

The products to be marked with:

- Manufacturer name
- Model name
- Serial number
- Power supply ratings
- Degree of protection

### 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:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample test and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE