

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Light Fitting

with type designation(s)
Series 1445xxx...

Issued to

Glamox Production GmbH & Co. KG
Bremen, Germany

is found to comply with
DNV GL 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 GL.

Vibration class	A
Degree of protection	IP X5/X7
Temp. class	A
Voltage (V)	220-240 V AC
Suitable for Hazardous areas	No

Issued at **Hamburg** on **2017-09-27**

This Certificate is valid until **2022-09-26**.

DNV GL local station: **Bremerhaven**

for **DNV GL**

Approval Engineer: **Uwe Supke**

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Duy Nam Le
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.



Product description

Multipurpose luminaire: Series 1445xxx...
Rated voltage: 220-240V, 50-60Hz
Rated power: LED 2x 15 W (2830lm)
LED 2 x 10W (1830lm)
Frequency: 50-60Hz
Degree of protection: IP X5/X7
Ambient temperature: -20°C up to 45°C
Luminous color: 5000 K
Material: Housing: zink coated steel or stainless steel,
sheet deep drawn, powder coated
Diffuser: polycarbonate

Application/Limitation

Installation instruction of the manufacturer to be followed.

Location classes:

EMC: B

Humidity: B

Type Approval documentation

Tests carried out

Applicable tests according to Class Guideline DNVGL-CG-0339, November 2016.

Applicable tests according to IEC60598-1: 1999, IEC 60529: 1999

Marking of product

The products to be marked with:

- Manufacturer name
- Model name
- Serial number
- Power supply ratings

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 Routine Tests (RT) checked (if not available tests according to 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.

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