

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Light Fitting**

with type designation(s)
Suez Canal Search Light ORION - SKS - ...

Issued to

Karl Dose GmbH
Hamburg, 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	IPX8
Temp. class	D
Voltage (V)	120/230V 50/60Hz
Suitable for Hazardous areas	n/a

Issued at **Hamburg** on **2019-09-30**

This Certificate is valid until **2024-09-29**.

DNV GL local station: **Magdeburg**

for **DNV GL**

Approval Engineer: **Maik Gagern**

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Arne Schaarmann
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

Suez Canal Search Light
Power supply: 120/230V; 50/60Hz
Power consumption: 2000/3000W
Ingress protection: X8(30 min, 0.25 bar)

Application/Limitation

Suez Canal Search Light
Makers instructions shall be observed .

Type Approval documentation

Tests carried out

Suez Canal Authority regulation article 29, Edition February 1995
DNV GL Class guideline DNVGLCG0339, Edition December 2019

Marking of product

Manufacturer Name
Model Name and Type
Serial No.

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