

TYPE APPROVAL CERTIFICATE

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

with type designation(s)

2000/E 27, .. /B 22, .. /G 24d-1, .. /G 24d-2, .. /G 24q-1, .. /G 24q-2, 1017/gR, 1017/gK, 1026, 1027, 1131/CR, 1131/gK, 1131/oS

Issued to

WISKA Hoppmann GmbH
Kaltenkirchen, Schleswig-Holstein, 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.**

Type	Vibration class	Degree of protection	Temp. class	Voltage (V)	Suitable for Hazardous areas
2000/E 27, .. /B 22, .. /G 24d-1, .. /G 24d-2, .. /G 24q-1, .. /G 24q-2	A	IP 68	C	250 V	No
1017/gR, 1017/gK, 1026, 1027, 1131/CR, 1131/gK, 1131/oS	A	IP 56	C	250 V	No

Issued at **Hamburg** on **2018-08-30**This Certificate is valid until **2019-05-08**.for **DNV GL**DNV GL local station: **Hamburg**Approval Engineer: **Uwe Supke**

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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

1. Type : Multi purpose luminaires, plastic

2000/E 27	250 V,	max. 75W,	lampholder E 27,	incandescent bulb
2000/B 22	250 V,	max. 75W,	lampholder B 22,	incandescent bulb
2000/G 24d-1	230 V, 50 Hz,	13 W,	lampholder G 24d-1,	tubular compact lamp
2000/G 24d-2	230 V, 50 Hz,	18 W,	lampholder G 24d-2,	tubular compact lamp
2000/G 24q-1	220-230 V, 50-60 Hz,	13 W,	lampholder G 24q-1,	tubular compact lamp
2000/G 24q-2	220-230 V, 50-60 Hz,	18 W,	lampholder G 24q-2,	tubular compact lamp

Degree of protection: IP 68 (2 bar - 30 min)

2. Type : Standard luminaires, brass

1017/gR	250 V,	25 W,	E 14 or B15d	Small fixture, glass globe,
1017/gK	same as above, with cast brass guard			
1026	250 V,	100 W,	E 27 or B 22, with guard,	Flat ceiling fixture, glass globe,
1027	same as before, up to 200 W			
1131/CR	250 V,	60 W,	E27 or B22,	HNA fixture, polycarbonate globe
1131/oS,	250 V,	100 W,	E27 or B22,	HNA fixture, glass globe
1131/gK	same as before, with cast brass guard			

Degree of protection: IP 56

Application/Limitation

Installation instructions of the manufacturer to be followed.

Location class for Humidity : B

Type Approval documentation

Tests carried out

GL Guidelines for the Performance of Type Approvals: 2012

EN 60529: 2000

Marking of product

- Manufacturer
- Type
- Model number
- Voltage
- Output power
- 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:

- 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