Certificate no.:
TAE000052F

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Light Fitting

with type designation(s)
ExLB-L024/220,ExLB-X024/220

issued to
GUANGZHOU SOTERIA TECHNOLOGY CO.,LTD
Guangzhou, Guangdong Province, China

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.

Vibration class	**A**
Degree of protection	**66/67**
Temp. class	**D**
Voltage (V)	**DC24V/AC220V**
Suitable for Hazardous areas	**yes**

Issued at **Høvik** on **2025-10-22**
This Certificate is valid until **2030-10-21**.
DNV local unit: **China South NB**

for **DNV**

Approval Engineer: **Qiang William Guo**

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

ExLB series explosion proof status light beacon is intended to use for alarm/status indication on marine and offshore applications:

Type	Lighting source	Power	Input Voltage	Shell Materials	Dimension(mm)	IP Rating
ExLB-L024	L(LED)	10W	24VDC	Stainless steel	H240 X Ø147	IP66/67
ExLB-L220	L(LED)	10W	220VAC	Stainless steel	H240 X Ø147	IP66/67
ExLB-X024	X(Xenon)	10W	24VDC	Stainless steel	H240 X Ø147	IP66/67
ExLB-X220	X(Xenon)	10W	220VAC	Stainless steel	H240 X Ø147	IP66/67
Note	The detailed variant, please refer to User manual					

Application/Limitation

The User manual from maker should be observed and followed .
Environmental location class:

Temperature class	D
Humidity class	B
Vibration class	A
EMC class	B
Enclosure class	C(IP66/67)

System application and location of ExLB series explosion proof status light beacon shall be in accordance with relevant parts of DNV Rules.

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Information on Ex-Certification received from manufacturer		
Equipment	Certified	Certificate No.
Explosion Proof Status Light Beacon (ExLB)	Ex db IIC T5/T6 Gb, Ex tb IIC T85'C...T100'C Db IP66/IP67 (LED); Ex db IIC T4/T5/T6 Gb, Ex tb IIIC T85'C...T135°C Db IP66/IP67 (Xenon) -40'C≤Ta≤+40'C or -40'C≤Ta≤+50'C or -40°C≤Ta≤+70°C	IECEx TPS 19.0032X

ExLB series explosion proof status light beacon do not show compliance with the design requirements in the European standard for Fire detection and Fire alarm systems, EN54-2 Control and indicating equipment.

Type Approval documentation

Tests carried out

Applicable tests in accordance with DNV class guidelines DNV-CG-0339 Aug.2021, i.e. performance, electrical power supply failure, power supply variation, dry heat ,damp heat ,cold ,high voltage, insulation resistance ,vibration ,IP ,salt mist test and EMC test.

Marking of product

SOTERIA product marked with:

- Type designation
- Serial No.
- Rated voltage/Power/T(amb)
- Production date
- Ex marking
- Manufacture name

Manufactured by:

Guangzhou 510663, China

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or 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 tests 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