



Marine & Offshore

Certificate number: 36246/B0 BV

File number: ACE 09/852/1

Product code: 2801H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

SEABRIGHT
PIRAEUS - GREECE

for the type of product

LIGHTING FITTINGS
Poseidon Watertight Lights

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships and Offshore Units

IEC 60092-306 (2009)

IEC 60598-1 (2017)

IEC 60598-2-1 (1987)

EC Code : 41S

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 06 Mar 2024

For Bureau Veritas Marine & Offshore,

At BV PIRAEUS, on 06 Mar 2019,

Spyros KONTOULIS



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **Poseidon Watertight Lights** series are lighting fittings for the installation in engine rooms, weather exposed areas cargo holds and store rooms of Steel Ships and Offshore Units.

1.1 - Main characteristics:

Operation Voltage : 110VAC or 230VAC
 Degree of protection : IP 67
 Operation range : -20°C to +45°C

1.2 - Variants:

Types	Lamp rated power	Rated voltage
POSEIDON 118-11	1x18W	AC: 230V/ 50Hz
POSEIDON 118-12	1x18W	AC: 230V/ 60Hz
POSEIDON 118-14	1x18W	AC: 110V/ 60Hz
POSEIDON 118-35	1x18W	AC: 230V/ 50-60Hz
POSEIDON 124-35	1x24W	AC: 230V/ 50-60Hz
POSEIDON 218-21	2x18W	AC: 230V/ 50Hz
POSEIDON 218-22	2x18W	AC: 230V/ 60Hz
POSEIDON 218-24	2x18W	AC: 110V/ 60Hz
POSEIDON 218-11	2x18W	AC: 230V/ 50Hz
POSEIDON 218-12	2x18W	AC: 230V/ 60Hz
POSEIDON 218-35	2x18W	AC: 230V/ 50-60Hz
POSEIDON 224-35	2x24W	AC: 230V/ 50-60Hz
POSEIDON 136-11	1x36W	AC: 230V/ 50Hz
POSEIDON 136-12	1x36W	AC: 230V/ 60Hz
POSEIDON 136-14	1x36W	AC: 110V/ 60Hz
POSEIDON 136-35	1x36W	AC: 230V/ 50-60Hz
POSEIDON 154-35	1x54W	AC: 230V/ 50-60Hz
POSEIDON 236-21	2x36W	AC: 230V/ 50Hz
POSEIDON 236-22	2x36W	AC: 230V/ 60Hz
POSEIDON 236-24	2x36W	AC: 110V/ 60Hz
POSEIDON 236-35	2x36W	AC: 230V/ 50-60Hz
POSEIDON 254-35	2x54W	AC: 230V/ 50-60Hz
POSEIDON 236-45	2x36W	AC: 230V/ 50-60Hz + 3h backup unit
POSEIDON 218-45	2x18W	AC: 230V/ 50-60Hz + 3h backup unit

2. DOCUMENTS AND DRAWINGS:

- installation manual_poseidon 2x18-24, Ref. 018322, Rev.1.
- installation manual_poseidon 1x18-24, Ref. 018323, Rev.1.
- installation manual_poseidon 1x36-24, Ref. 018326, Rev.1.
- installation manual_poseidon 2x36 emergency, Ref. 018325, Rev.1.
- installation manual_poseidon 2x36-24, Ref. 018327, Rev.1.
- installation manual_poseidon 2x18 emergency, Ref. 018324, Rev.1.

3. TEST REPORTS:

HEEQAC S.A.:

- Test Report No.:503869-E, dated May 13, 2013.
- Test Report No.:503870-E, dated July 15, 2013.
- Test Report No.:503869-1-E, dated May 13, 2013.
- Test Report No.:503870-1-E, dated July 15, 2013.
- Test Report No.:504442-1-E, dated February 13, 2019.
- Test Report No.:504442-2-E, dated February 13, 2019.

4. APPLICATION/LIMITATION:

- 4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships and Offshore Units.
 4.2 - Bureau Veritas Environmental Category, **EC Code: 41S**

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The LIGHTING FITTINGS are to be supplied by **SEABRIGHT** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **SEABRIGHT** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **SEABRIGHT** has declared to Bureau Veritas the following production site:

SEABRIGHT
51, VASILIKON & IMITTOU STR.
18540 PIRAEUS
GREECE

6. MARKING OF PRODUCT:

- Maker's name or trade mark.
- Equipment type or model identification.
- Date of manufacture and/or serial number.

7. OTHERS:

7.1 - It is **SEABRIGHT**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 36246/A0 BV issued on 21 Oct 2013 by the Society.

*** END OF CERTIFICATE ***