



Marine & Offshore

Certificate number: 60427/A0 MED

File number: NAV8/123698/1

Item number: MED/6.1

This certificate is not valid when presented without the full attached schedule
composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2019/1397 of 06 Aug. 2019

This certificate is issued to:

BREIZELEC - MANTAGUA
CHATEAULIN - FRANCE

for the type of product

NAVIGATION LIGHTS
Navigation Lights NAVIPRO

Requirements:

COLREG Annex I/14
IMO Res. A.694(17)
IMO Res. MSC.253(83)
EN 14744:2005 incl. AC:2006
IEC 60945 (2002) incl. IEC 60945 Corr.1 (2008)

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 06 Jul 2025

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SAINT-NAZAIRE, on 06 Jul 2020,

Francois LOPINOT



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

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. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. 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.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

LED Navigation lights:

- Light source: Single LED
- Power supply: 12 & 24 VDC (not polarized), Max. 4W
- Index of protection: IP67
- Material: PC-ASA for black parts and PC UV proof for transparent parts
- Magnetic compass safe distance: 15cm.

Reference	Description	Visibility
CCMAFF00116	Three-color (Port light, red + Starboard light, green + Masthead light, white) + All-round light, white	2MN
CCMAFF00117	Three-color (Port light, red + Starboard light, green + Masthead light, white) + All-round light, white	2MN
CCMAFF00118	Three-color (Port light, red + Starboard light, green + Masthead light, white)	2MN
CCMAFF00119	All-round light, white	2MN
CCMAFF00120	All-round light, white	2MN
CCMAFF00121	Two-color (Port light, red + Starboard light, green)	2MN
CCMAFF00122	Port light, red	2MN
CCMAFF00123	Starboard light, green	2MN
CCMAFF00124	Stern light, white	2MN
CCMAFF00125	Stern light, white	3MN
CCMAFF00126	Masthead light, white	2MN
CCMAFF00127	Masthead light, white + All-round light, white	2MN
CCMAFF00128	Masthead light, white	3MN
CCMAFF00129	Masthead light, white + All-round light, white	3MN
CCMAFF00130	Towing light, yellow	2MN
CCMAFF00131	All-round light, green	2MN
CCMAFF00132	All-round light, red	2MN

2. DOCUMENTS AND DRAWINGS :

- 2.1- Certification des feux de navigation de la gamme Navipro, dated 04/09/2020
- 2.2- Plan Navipro base 23/01/19
- 2.3- Plan Navipro verrine 30-11-18
- 2.4- Plan Navipro chapeau 01/05/19
- 2.5- Schéma électronique Carte led Navipro 009723, dated 03/01/2019
- 2.6- Schéma électronique mouillage 014337, dated 18/07/2019
- 2.7- Schéma électronique tricolor 014338, dated 04/09/2019
- 2.8- Navipro - User Instructions, issue V0.0 dated 07/05/2020
- 2.9- Risk assessment & analysis, dated 02/10/2019

3. TEST REPORTS :

- 3.1 - LCIE Test report N° 164047-743993 Issue 02, dated 19/06/2020
- 3.2 - LCIE Test report N° 164047-743994 Issue 03, dated 10/04/2020
- 3.3 - Breizelec Protocole de test thermique, dated 12/12/2019
- 3.4 - Breizelec Rapport de test optique sur feux de navigation, dated 07/05/2020
- 3.5 - EMITECH Test report N°R530#20#100103#1#A(01) Ed1, dated 29/04/2020.

4. APPLICATION / LIMITATION :

As per requirements of Regulations stated on front page of this certificate.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1 - This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.
- 5.2 - For information concerning the production phase modules, Breizelec - Mantagua has declared the following manufacturing site(s):

**BREIZELEC - MANTAGUA
ZA DE PENN AR ROZ
29150 CHATEAULIN
FRANCE**

6. MARKING OF PRODUCT :

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

7. OTHERS :

It is **BREIZELEC - MANTAGUA - FRANCE**'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.

*** END OF CERTIFICATE ***



Marine & Offshore

Certificate number: SMS.MED2.D/123698/A.0

Notified Body N° 2690

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MED 2014/90/EU QUALITY SYSTEM MODULE D CERTIFICATE

This certificate is issued under the French Maritime Authority, in compliance with the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2019/1397 of 06 Aug. 2019, to:

BREIZELEC - MANTAGUA CHATEAULIN - FRANCE

Summary of the range of the recognition which is detailed in the subsequent page(s):

NAVIGATION LIGHTS

This certificate is issued to attest that Bureau Veritas Marine & Offshore, notified body number 2690, did undertake, at the above company's request, an assessment of the quality system for production quality assurance related to the equipment of the type described in EC type-examination (Module B) certificate(s) listed in the subsequent page(s). Bureau Veritas Marine & Offshore, notified body number 2690, has considered that the quality system operated was satisfying the applicable requirements of the Marine Equipment Directive 2014/90/EU as amended.

This certificate will expire on: 10 Jul 2023

For Bureau Veritas Marine & Offshore,
At BV BORDEAUX, on 10 Jul 2020,
Gabriel ZIMMER



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. 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.

ANNEX

1. SCOPE

Products

App. number	Sign date	Validity date	Item designation	Trade name	Comment
60427/A0 MED	06 Jul 2020	06 Jul 2025	NAVIGATION LIGHTS - MED/6.1	Navigation Lights NA-VIPRO	

2. LIMITATIONS

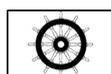
The EC type-examination certificates listed in the scope are to be valid.

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to the quality system in order to agree on appropriate actions.

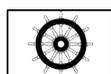
BREIZELEC - MANTAGUA has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

BREIZELEC - MANTAGUA must draw up a written EC declaration of conformity to type in compliance with the article 16 of the MED 2014/90/EU.

BREIZELEC - MANTAGUA must affix the mark of conformity in compliance with the articles 9 and 10 of the MED 2014/90/EU taking into consideration the 2 following examples:



2690/XXXX Where XXXX is the year in which the mark is affixed or



2690/ZZ Where ZZ are the two last digits of the year in which the mark is affixed.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

BREIZELEC - MANTAGUA - CHATEAULIN - FRANCE

4. REMARKS

Nil.

*** END OF CERTIFICATE ***