



Marine & Offshore

Certificate number: 60427/B0 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) 2024/1975 of 19 July 2024

This certificate is issued to:

BREIZELEC - MANTAGUA

ZA DE PENN AR ROZ, 29150, 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: 07 Jul 2030

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV SAINT-NAZAIRE, on 07 Jul 2025,

Francois LOPINOT

This certificate was created electronically and is valid without signature



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 series **NAVIPRO** according to COLREG

- Light source : Single LED
- Power supply : 12 VDC / 24 VDC (not polarized), Max. 4W
24VDC for lights with visibility 5NM
- Index of protection : IP67
- Material : Transparent parts: PC UV proof
Cover: PC-ASA
Base plate or bracket: Aluminium Grade 6082
Pedestal: PC-ASA or Polyamide 6 for CCMAFF00156
- Magnetic compass safe distance: 15cm.

Reference	Description	Fixing	Visibility
CCMAFF00116	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white) + All-round light, white	Pedestal	2MN
CCMAFF00117	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white) + All-round light, white	Pedestal	2MN
CCMAFF00118	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white)	Pedestal	2MN
CCMAFF00119	All-round light, white	Pedestal	2MN
CCMAFF00120	All-round light, white	Pedestal	2MN
CCMAFF00121	Two-color (Port sidelight, red + Starboard sidelight, green)	Pedestal	2MN
CCMAFF00122	Port sidelight, red	Pedestal	2MN
CCMAFF00123	Starboard sidelight, green	Pedestal	2MN
CCMAFF00124	Stern light, white	Pedestal	2MN
CCMAFF00125	Stern light, white	Pedestal	3MN
CCMAFF00126	Masthead light, white	Pedestal	2MN
CCMAFF00127	Masthead light, white + All-round light, white	Pedestal	2MN
CCMAFF00128	Masthead light, white	Pedestal	3MN
CCMAFF00129	Masthead light, white + All-round light, white	Pedestal	3MN
CCMAFF00130	Towing light, yellow	Pedestal	2MN
CCMAFF00131	All-round light, green	Pedestal	2MN
CCMAFF00132	All-round light, red	Pedestal	2MN
CCMAFF00139	Two-color (Port sidelight, red + Starboard light, green)	Base plate	2MN
CCMAFF00140	Port sidelight, red	Base plate	2MN
CCMAFF00141	Starboard sidelight, green	Base plate	2MN
CCMAFF00142	Stern light, white	Base plate	2MN
CCMAFF00143	Masthead light, white	Base plate	2MN
CCMAFF00144	Masthead light, white	Base plate	3MN
CCMAFF00145	All-round light, white	Base plate	2MN
CCMAFF00146	Masthead light, white	Base plate	5MN
CCMAFF00147	Masthead light, white	Pedestal	5MN
CCMAFF00148	Double port sidelight, red	Pedestal	2MN
CCMAFF00149	Double starboard sidelight, green	Pedestal	2MN
CCMAFF00150	Double stern light, white	Pedestal	2MN
CCMAFF00151	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white)	Base plate	2MN
CCMAFF00154	180° signal light port, red	Pedestal	2MN
CCMAFF00155	180° signal light stbd, red	Pedestal	2MN
CCMAFF00156	Double masthead light, white	Pedestal	5MN
CCMAFF00157	Double masthead light, white	Pedestal	3MN
CCMAFF00158	180° signal light port, red	Base plate	2MN
CCMAFF00159	180° signal light stbd, red	Base plate	2MN
CCMAFF00160	All-round light, white	Pedestal	2MN
CCMAFF00161	180° signal light port, green	Pedestal	2MN
CCMAFF00162	180° signal light stbd, green	Pedestal	2MN
CCMAFF00163	180° signal light port, green	Base plate	2MN
CCMAFF00164	180° signal light stbd, green	Base plate	2MN
CCMAFF00165	All-round light, yellow	Pedestal	2MN
CCMAFF00167	Double all-round light, red	Pedestal	2MN

CCMAFF00168	Double all-round light, green	Pedestal	2MN
CCMAFF00169	Double towing light, yellow	Pedestal	2MN
CCMAFF00170	Double all-round light, green + all-round light, red	Pedestal	2MN
CCMAFF00171	Double all-round light, red + all-round light, green	Pedestal	2MN
CCMAFF00172	Double all-round light, white + all-round light, red	Pedestal	2MN
CCMAFF00173	Double all-round light, red + all-round light, white	Pedestal	2MN
CCMAFF00174	Double all-round light, white + all-round light, green	Pedestal	2MN
CCMAFF00175	Double all-round light, green + all-round light, white	Pedestal	2MN
CCMAFF00176	Hoistable all-round light, white	Pedestal	2MN
CCMAFF00177	Hoistable all-round light, red	Pedestal	2MN
CCMAFF00178	Hoistable all-round light, green	Pedestal	2MN
CCMAFF00179	Hoistable all-round light, yellow	Pedestal	2MN
CCMAFF00182	Double 180° signal light port, red	Pedestal	2MN
CCMAFF00183	Double 180° signal light stbd, red	Pedestal	2MN
CCMAFF00184	Double 180° signal light port, green	Pedestal	2MN
CCMAFF00185	Double 180° signal light stbd, green	Pedestal	2MN
CCMAFF00186	180° signal light port, white	Pedestal	2MN
CCMAFF00187	180° signal light stbd, white	Pedestal	2MN
CCMAFF00188	180° signal light port, white	Base plate	2MN
CCMAFF00189	180° signal light stbd, white	Base plate	2MN
CCMAFF00190	Double 180° signal light port, white	Pedestal	2MN
CCMAFF00191	Double 180° signal light stbd, white	Pedestal	2MN
CCMAFF00192	Three-color (All-round light, green + All-round light, white + All-round light, red)	Pedestal	2MN
CCMAFF00194	Masthead light, white	Bracket	2MN
CCMAFF00195	Masthead light, white	Bracket	3MN
CCMAFF00196	Masthead light, white	Bracket	5MN
CCMAFF01569	Combined (Masthead light, white + 30W LED projector (*))	Bracket	2MN
CCMAFF01570	Combined (Masthead light, white + 30W LED projector (*))	Bracket	3MN
CCMAFF01638	Combined (Masthead light, white + 30W LED projector (*))	Bracket	5MN

(*) This function is not covered by this certificate.

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 tricolore 014338, dated 04/09/2019
- 2.8- Navipro - User Instructions, issue V0.0 dated 07/05/2020
- 2.9- Risk assessment & analysis, dated 15/03/2021
- 2.10- Demande de certification MED feux de navigation 2021 Version 4, dated 07/07/2021
- 2.11- Fiche technique aluminium 6082
- 2.12- Vue d'ensemble Navipro version plate, dated 25/06/2020
- 2.13- Plan socle Navipro version plate, dated 25/08/2020
- 2.14- Schéma de principe Navipro Double, dated 24/06/2021
- 2.15- Schéma du U de fixation combiné 3mm (bracket), dated 19/10/2021.

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
- 3.6- LCIE Test report N°168740-754302 Issue 01, dated 28/09/2020
- 3.7- LCIE Test report N°174051-770472 Issue 01, dated 05/01/2022
- 3.8- LCIE Test report N°174051-770471 Issue 01, dated 14/01/2022
- 3.9- Breizelec Protocole de test thermique, dated 01/12/2021
- 3.10- Breizelec Protocole de test de traction sur deu hissable, dated 01/12/2021
- 3.11- Breizelec Protocole de test proximité compas, dated 01/12/2021
- 3.12- Breizelec Rapport de test optique sur feux de navigation, dated 01/12/2021

- 3.13. KENTA Test report N°204319, dated on 11/04/2022
3.14- Breizelec Protocole de test proximité compas, dated 11/04/2022.

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 module E Product Quality Assurance or module 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**

5.3 - The following components shall comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

Navigation Lights NAVIPRO

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 :

7.1 - 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.

7.2 - This certificate supersedes EC Type Examination Certificate n° 60427/A1 MED EC issued on 17 May 2022, by the Society.

***** END OF CERTIFICATE *****



Marine & Offshore

Certificate number: SMS.MED2.D/123698/B.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) 2023/1667 of 8 Aug. 2023, to:

BREIZELEC - MANTAGUA

ZA DE PENN AR ROZ, 29150, 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: 03 Nov 2026

For Bureau Veritas Marine & Offshore,

At BV LYON, on 31 Oct 2023,

Yann Krempewicz

This certificate was created electronically and is valid without signature



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.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=qwglzoynn1>

BV Mod. Ad.E 618-D June 2017

This certificate consists of 2 page(s)

ANNEX

1. SCOPE

Products

App. number	Sign date	Validity date	Item designation	Trade name	Comment
60427/A1 MED	17 May 2022	06 Jul 2025	NAVIGATION LIGHTS - MED/6.1	Navigation Lights NA-VIPRO.	

2. LIMITATIONS

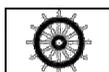
The EC type-examination certificates listed in the scope are to be valid.

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

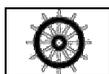
BREIZELEC - MANTAGUA has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

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

This certificate replaces SMS.MED2.D/123698/A.1 issued by the Notified Body on 23 May 2022.

*** END OF CERTIFICATE ***



UK Approved Body Authorised
by the MCA

Certificate number: 76057/A0 UK

File number: MPA2301823

Item number: UK/6.1

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

Approved Body 8517 - UNITED KINGDOM MARINE EQUIPMENT APPROVAL

UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that Bureau Veritas SA UK Branch Office did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, subject to any conditions in the schedule attached hereto.

This certificate is issued to:

BREIZELEC - MANTAGUA

ZA DE PENN AR ROZ, 29150, 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)

The attached (schedule of approval) forms part of this certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

This certificate will expire on: 12 Feb 2029

Issued by Bureau Veritas SA UK Branch Office

(Approved Body 8517)

At BV SAINT-NAZAIRE, on 12 Feb 2024,

Francois LOPINOT

This certificate was created electronically and is valid without signature



Note 1: This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

Note 2: During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

Note 3: "The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an approved body."

Note 4: In case limitations of use apply, these should be indicated in the Annex.

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 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 series **NAVIPRO** according to COLREG

- Light source : Single LED
- Power supply : 12 VDC / 24 VDC (not polarized), Max. 4W
24VDC for lights with visibility 5NM
- Index of protection : IP67
- Material : Transparent parts: PC UV proof
Cover: PC-ASA
Base plate or bracket: Aluminium Grade 6082
Pedestal: PC-ASA or Polyamide 6 for CCMAFF00156
- Magnetic compass safe distance: 15cm.

Reference	Description	Fixing	Visibility
CCMAFF00116	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white) + All-round light, white	Pedestal	2MN
CCMAFF00117	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white) + All-round light, white	Pedestal	2MN
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CCMAFF00120	All-round light, white	Pedestal	2MN
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CCMAFF00125	Stern light, white	Pedestal	3MN
CCMAFF00126	Masthead light, white	Pedestal	2MN
CCMAFF00127	Masthead light, white + All-round light, white	Pedestal	2MN
CCMAFF00128	Masthead light, white	Pedestal	3MN
CCMAFF00129	Masthead light, white + All-round light, white	Pedestal	3MN
CCMAFF00130	Towing light, yellow	Pedestal	2MN
CCMAFF00131	All-round light, green	Pedestal	2MN
CCMAFF00132	All-round light, red	Pedestal	2MN
CCMAFF00139	Two-color (Port sidelight, red + Starboard light, green)	Base plate	2MN
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CCMAFF00141	Starboard sidelight, green	Base plate	2MN
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CCMAFF00143	Masthead light, white	Base plate	2MN
CCMAFF00144	Masthead light, white	Base plate	3MN
CCMAFF00145	All-round light, white	Base plate	2MN
CCMAFF00146	Masthead light, white	Base plate	5MN
CCMAFF00147	Masthead light, white	Pedestal	5MN
CCMAFF00148	Double port sidelight, red	Pedestal	2MN
CCMAFF00149	Double starboard sidelight, green	Pedestal	2MN
CCMAFF00150	Double stern light, white	Pedestal	2MN
CCMAFF00151	Three-color (Port sidelight, red + Starboard sidelight, green + Masthead light, white)	Base plate	2MN
CCMAFF00154	180° signal light port, red	Pedestal	2MN
CCMAFF00155	180° signal light stbd, red	Pedestal	2MN
CCMAFF00156	Double masthead light, white	Pedestal	5MN
CCMAFF00157	Double masthead light, white	Pedestal	3MN
CCMAFF00158	180° signal light port, red	Base plate	2MN
CCMAFF00159	180° signal light stbd, red	Base plate	2MN
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CCMAFF00161	180° signal light port, green	Pedestal	2MN
CCMAFF00162	180° signal light stbd, green	Pedestal	2MN
CCMAFF00163	180° signal light port, green	Base plate	2MN
CCMAFF00164	180° signal light stbd, green	Base plate	2MN
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CCMAFF00169	Double towing light, yellow	Pedestal	2MN
CCMAFF00170	Double all-round light, green + all-round light, red	Pedestal	2MN
CCMAFF00171	Double all-round light, red + all-round light, green	Pedestal	2MN
CCMAFF00172	Double all-round light, white + all-round light, red	Pedestal	2MN
CCMAFF00173	Double all-round light, red + all-round light, white	Pedestal	2MN
CCMAFF00174	Double all-round light, white + all-round light, green	Pedestal	2MN
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CCMAFF00191	Double 180° signal light stbdt, white	Pedestal	2MN
CCMAFF00192	Three-color (All-round light, green + All-round light, white + All-round light, red)	Pedestal	2MN
CCMAFF00194	Masthead light, white	Bracket	2MN
CCMAFF00195	Masthead light, white	Bracket	3MN
CCMAFF00196	Masthead light, white	Bracket	5MN
CCMAFF01569	Combined (Masthead light, white + 30W LED projector (*))	Bracket	2MN
CCMAFF01570	Combined (Masthead light, white + 30W LED projector (*))	Bracket	3MN
CCMAFF01638	Combined (Masthead light, white + 30W LED projector (*))	Bracket	5MN

(*) This function is not covered by this certificate.

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 tricolore 014338, dated 04/09/2019
- 2.8- Navipro - User Instructions, issue V0.0 dated 07/05/2020
- 2.9- Risk assessment & analysis, dated 15/03/2021
- 2.10- Demande de certification feux de navigation 2021 Version 4, dated 07/07/2021
- 2.11- Fiche technique aluminium 6082
- 2.12- Vue d'ensemble Navipro version plate, dated 25/06/2020
- 2.13- Plan socle Navipro version plate, dated 25/08/2020
- 2.14- Schéma de principe Navipro Double, dated 24/06/2021
- 2.15- Schéma du U de fixation combiné 3mm (bracket), dated 19/10/2021.

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
- 3.6- LCIE Test report N°168740-754302 Issue 01, dated 28/09/2020
- 3.7- LCIE Test report N°174051-770472 Issue 01, dated 05/01/2022
- 3.8- LCIE Test report N°174051-770471 Issue 01, dated 14/01/2022
- 3.9- Breizelec Protocole de test thermique, dated 01/12/2021
- 3.10- Breizelec Protocole de test de traction sur deu hissable, dated 01/12/2021
- 3.11- Breizelec Protocole de test proximité compas, dated 01/12/2021
- 3.12- Breizelec Rapport de test optique sur feux de navigation, dated 01/12/2021

- 3.13. KENTA Test report N°204319, dated on 11/04/2022
3.14- Breizelec Protocole de test proximité compas, dated 11/04/2022.

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 UK Declaration of Conformity and to affix the mark of conformity (United Kingdom conformity mark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, is to be complied with and controlled by a written inspection agreement with an Approved Body.
- 5.2 - For information concerning the production phase modules, **Breizelec - Mantagua** has declared the following manufacturing site:

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

6. MARKING OF PRODUCT :

- Reference is made to the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, Part3:
In particular Article 15.3 specifies that the United Kingdom conformity mark shall be followed by the identification number of the Approved 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).
- In addition, each navigation light shall be marked permanently in a position clearly visible even after installation on board, with the following information:
- 6.1 - Zero signal direction by a mark on the reference circle lights
6.2 - Range in nautical miles
6.3 - Origin mark (manufacturer's identification mark)
6.4 - Type designation
6.5 - Nominal wattage of the light source in watts, if different values lead to different ranges.

7. OTHERS :

- 7.1 - It is **Breizelec - Mantagua'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 ***



UK Approved Body Authorised
by the MCA

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

Approved Body 8517 - UNITED KINGDOM MARINE EQUIPMENT APPROVAL

UK QUALITY SYSTEMS (MODULE D) CERTIFICATE

This is to certify that Bureau Veritas SA UK Branch Office did undertake the relevant assessment procedures for the quality system of the manufacturer identified below which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, for the products described in the UK Type Examination Certificates (Module B) listed in the Attachment to this Certificate, subject to any conditions in the schedule attached hereto.

BREIZELEC - MANTAGUA

ZA DE PENN AR ROZ, 29150, CHATEAULIN, FRANCE

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

UK/6.1 - NAVIGATION LIGHTS

This certificate remains valid unless suspended expired or withdrawn, provided the conditions indicated in the subsequent page(s) are complied with.

This certificate will expire on: 14 Feb 2027

Issued by Bureau Veritas SA UK Branch Office (8517),

At BV LYON, on 12 Feb 2024,

Yann Krempewicz



This certificate was created electronically and is valid without signature

Notes:

This certificate provides the basis for the manufacturer or (if applicable) their authorised representative established within the United Kingdom in conjunction with the UK TYPE EXAMINATION (MODULE B) CERTIFICATE of the equipment listed in the scope to affix the "Mark of Conformity" ('Red Ensign Mark').

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the approved body named on this certificate.

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 electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=kvwgd6mlpq>

BV Mod. Ad.E 618-D_UK May 2022

This certificate consists of 2 page(s)

ANNEX

1. SCOPE

Products

App. number	Sign date	Validity date	Item designation	Trade name	Comment
76057/A0 UK	12 Feb 2024	12 Feb 2029	NAVIGATION LIGHTS - UK/6.1	Navigation Lights NA-VIPRO	

2. LIMITATIONS

The UK type-examination (Module B) certificates listed in the scope are to be valid.

Bureau Veritas SA UK Branch Office 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 SA UK Branch Office.

BREIZELEC - MANTAGUA must draw up a written United Kingdom declaration of conformity to type in compliance with regulation 14 of UK regulations 2016 N°1025 as amended.

BREIZELEC - MANTAGUA must affix the United Kingdom conformity mark in compliance with regulation 15 of UK regulations 2016 N°1025 as amended and the Annex 5 of MSN 1874 as amended taking into consideration the 2 following examples:



8517/XXXX Where XXXX is the year in which the mark is affixed or



8517/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 ***