



Marine &amp; Offshore

Certificate number: 36195/C0 MED

File number: NAV0/6196

Item number: MED/4.52

USCG Module B number: 165.166 / EC2690

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) 2023/1667 of 8 Aug. 2023

This certificate is issued to:

**FRANCIS SEARCHLIGHTS LTD**

UNION ROAD, BL2 2HJ, BOLTON, UNITED KINGDOM

for the type of product

**DAYLIGHT SIGNALLING LAMP**

Lamp FSP 127 (MK V) with battery box

**Requirements:**

SOLAS 74 as amended Regulations V/18, V/19, X/3  
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended  
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended  
IMO Res. A.694(17)  
IMO Res. MSC.95(72)  
ISO 25861:2007  
IEC 60945 (2002) + /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: 10 Jan 2029**


For Bureau Veritas Marine &amp; Offshore Notified Body 2690,

At BV LONDON, on 10 Jan 2024,

Spencer Yule

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:

**DAYLIGHT SIGNALLING LAMP FSP 127 (MK V) WITH BATTERY BOX.**

#### Equipment Specification and Components:

Item	Product	Type / Description	Despatch No.	Weight
1	FSP127	Commercial	A4023	2Kg
2	FSP127	MoD	A4021	2Kg
3	Lamp	11v 60w Lamp	D1721	0.028kg
4	Lamp	24v 60w Lamp	D1754	0.028kg
5	Battery	12v Battery in case	C20175-01	5kg
6	Battery	24v Battery in case	C20177-01	5kg
<b>Accessories / Kits</b>				
7	FSP127 Kit	FSP127 Kit in Carry Case, 24v 3 Pin Plug	A6133	13kg
8	FSP127 Kit	FSP127 Kit in Carry Case, 12v 3 Pin Plug	A6134	13kg
9	FSP127 Kit	FSP 127 Kit in Carry Case 24v 2 pin Plug	A6146	13kg
10	FSP127 Kit	FSP127 Kit in Carry Case, 12v 2 Pin Plug	A6147	13kg
11	Box	FSP127 Carry Case Polypropylene	C29811-00	2.4Kg
12	Box	Stowage Box (Aluminium)	A4025	7.5Kg
13	Charger	Battery Charger 115/230v 12v UK Plug	C26741-01	0.16kg
14	Charger	Battery Charger 115/230v 24v UK Plug	C26743-01	0.16kg
15	Charger	Battery Charger 115/230v 12v Euro Plug	C26664-01	0.16kg
16	Charger	Battery Charger 115/230v 24v Euro Plug	C26665-01	0.16kg
17	Screen	Light Reduction Screen	C03194-01	0.04kg
18	Filter	Red Filter	C05971-01	0.06kg
19	Filter	Green Filter	C05973-01	0.06kg
20	Filter	Blue Filter	C09901-01	0.06kg
21	Plug	3 Pin Plug	C02682-00	0.04kg
22	Socket & Plug	3 Pin Socket & Plug	C02681-00	0.048kg
23	Transformer	Transformer Unit 115v/230v in 12v/24v out	C20189-00	2kg

#### Specifications:

Depth: 230 mm (including eyepiece)

Width: 159 mm

Height: 338 mm

Weight: 2.2 kg

Enclosure: IP 56

Bulb: 12V or 24V/60W

- Capable of maximum daylight signalling range of 8 miles.
- Beam divergence of 5°.
- Transmission rate of 12 words per minute can be achieved.
- Light reduction & coloured filters provide control of light output as required.
- 5.5 metres of supply cable fitted as standard.
- All aluminium construction fitted with a super purity aluminium parabolic reflector.
- Tubular and V sights are fitted as standard.
- Handle mounted switch to operate the lantern.
- Signals made by triggering the tubular shutter which interrupts the light from the reflector.
- Semi gloss black stoved enamel paint finish.

### 2. DOCUMENTS AND DRAWINGS:

- 2.1 - Data sheet Issue 3 FSP 127 mm.
- 2.2 - Dwg. C15197 Rev.2 02/2006 DOME/HANDLE ASSY (MOT).
- 2.3 - Dwg. C10548 Rev.3 02/2006. BARREL ASSY.
- 2.4 - Dwg. A4023 Rev.3 05/2013. LIGHT SIGNAL 5".
- 2.5 - Dwg. C05606 Rev.2 07/02/2006. LAMPHOLDER ASSY.
- 2.6 - Dwg. C05603 Rev.2 07/02/2006. FRONT RING ASSY.
- 2.7 - Dwg. C05609 Rev.2 07/02/2006. SHUTTER ASSY.
- 2.8 - Dwg. C05609 Rev.2 FRANCIS SEARCHLIGHTS.
- 2.9 - Dwg. C09715 Rev.2 07/02/2006. LAMPHOLDER DODY AND LEADS ASSY.

- 2.10 - FSP 127mm Signalling Lantern User Information. MKV Booklet Part No. C20003-00 - Issue 16 February 2019.  
2.11- PRODUCTION TEST SPECIFICATION FOR LIGHT 5.0 INCH NSN 5850 99 527 7235. Dated 08/1996.  
2.12 - Risk Assessment for Module B Certificate, issued by FRANCIS SEARCHLIGHTS and 26 Sept 2023

### **3. TEST REPORTS:**

- 3.1- 12V and 24V Batteries Test Report - Ref.TL13024 ENV, dated 15/07/2013, and issued by MS Testing  
3.2 - EMC Test Report - Ref TL13024-EMC,dated 17/07/2013 and issued by MS Testing  
3.3 - EN 60945 Type Testing - Ref. QINETIC/S&E/SPS/MATS/R/TT 15/02, dated Aug 2002, and issued by QINETIQ  
3.4 - Ingress Protection (IP56) Testing - Ref TL23051A, dated 15/04/2023, and issued by MS Testing  
3.5 - Ingress Protection (IP56) Testing - Ref TL23051B, dated 15/04/2023, and issued by MS Testing

### **4. APPLICATION / LIMITATION:**

- 4.1 - As per requirements of Regulations stated on front page of this certificate.  
4.2 - The following component(s) shall comply with the requirements of MED2014/90/EU, as amended, and be wheelmarked:  
**- DAYLIGHT SIGNALLING LAMP FSP 127 (MK V) WITH BATTERY BOX.**

### **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, **FRANCIS SEARCHLIGHTS LTD** has declared the following manufacturing site(s):

**UNION ROAD  
BOLTON  
UNITED KINGDOM**

### **6. MARKING OF PRODUCT:**

- 6.1 - 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).  
6.2 - In pursuance of the EU/US MRA+, and in accordance with the Council Decision 2004/425/EC of 21 April 2004 amended by Decision 1/2018 of 18 February 2019, the product(s) marked as per MED 2014/90/EU may be marked with the USCG conformity marking as authorized by the Notified Body undertaking surveillance module.

### **7. OTHERS:**

- 7.1 - It is **FRANCIS SEARCHLIGHTS LTD'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 No. 36195/B1 MED issued on 20/10/2022 by the Society.

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



Marine &amp; Offshore

Certificate number: SMS.MED2.D/6196/D.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) 2022/1157 of 4 July 2022, to:*

### FRANCIS SEARCHLIGHTS LTD BOLTON - UNITED KINGDOM

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

DAYLIGHT SIGNALLING LAMP

*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 is a renewal of certificate N° SMS.MED2.D/6196/C.0 expiring on 31/05/2023*

**This certificate will expire on: 31 May 2026**

For Bureau Veritas Marine & Offshore,  
At BV LONDON, on 09 May 2023,  
Spencer Yule

***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](http://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
36195/B1 MED	20 Oct 2022	19 Nov 2023	DAYLIGHT SIGNALLING LAMP - MED/4.52	Lamp FSP 127 (MK V) with battery box	

#### USCG marking as per US-EC MRA

App. number	Trade name	USCG marking as per US-EC MRA	Comment
36195/B1 MED	Lamp FSP 127 (MK V) with battery box	165.166 / EC2690 / 36195B1 MED	

### 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.

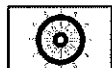
FRANCIS SEARCHLIGHTS LTD has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

FRANCIS SEARCHLIGHTS LTD must draw up a written EC declaration of conformity to type in compliance with the article 16 of the MED 2014/90/EU.

FRANCIS SEARCHLIGHTS LTD 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:

FRANCIS SEARCHLIGHTS LTD - BOLTON - UNITED KINGDOM

### 4. REMARKS

This Module D certificate supersedes SMS.MED.D/6196/C.0

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