



Maritime &  
Coastguard  
Agency

UK Approved Body Authorised  
by the MCA

Certificate number: 73991/A0 UK  
File number: MPA2204205  
Item number: UK/4.52

*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:*

**FRANCIS SEARCHLIGHTS LTD**  
BOLTON - UNITED KINGDOM

*for the type of product*

**DAYLIGHT SIGNALLING LAMP**  
FSP 127 Mk V

### 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 25881:2007  
IEC 60945 (2002) + /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*This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.*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: 05 Oct 2028**

Issued by Bureau Veritas SA UK Branch Office

(Approved Body 8517)

At BV LONDON, on 05 Oct 2023,

Jonathan WATSON

***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](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.

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BV Mod. Ad.E 536\_UK May 2022

This certificate consists of 3 page(s)

## 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 Signalling Lantern	A4023	2Kg
2	FSP127	MoD Signalling lantern	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 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:

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

- FSP 127mm Signalling Lantern User Information. MKV Booklet Part No. C20003-00 issue 16/02/2019.
- PRODUCTION TEST SPECIFICATION FOR LIGHT 5.0 INCH NSN 5850 99 527 7235. Dated 08/1996.
- Risk Assessment dated 17/09/2018.

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

- 3.1- TL13024 ENV battery Report Final2 (2).pdf dated 07/2013 issued by Francis Search Lights
- 3.2 - TL13024- EMC Francis Search Lights Report 2.pdf dated 07/2013 issued by Francis Search Lights
- 3.3 - EN 60945 Type Testing\_.pdf dated 09/2002 issued by QINETIQ TESTING SERVICES – FRASER
- 3.4 - EN 60945 Type Testing\_.pdf dated 09/2002 issued by QINETIQ TESTING SERVICES – FRASER
- 3.5 - FSP127 Storage Box IP Testing 2023 - TL23051A.pdf dated 04/2023 issued by Francis Search Lights
- 3.6 - Francis Searchlights Lamp Test Report.pdf dated 08/2002 issued by QINETIQ TESTING SERVICES – FRASER
- 3.7- FSP127 Storage Box IP Testing 2023 - TL23051A.pdf dated 04/2023 issued by Francis Search Lights

### **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.
- 4.3 - The FRANCIS FSP 127 (MKV) signalling lantern fulfils the requirements of the SOLAS (1997) Regulations, which states that  
"all ships of over 150 tons gross tonnage, when engaged on International voyages, shall have onboard an efficient daylight signalling lamp which shall not be solely dependant upon the ship's main source of electrical power."

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

UNION ROAD  
BOLTON  
UNITED KINGDOM

### **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)

### **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.

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



Certificate number: SMS.UK.D/6196/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.*

### FRANCIS SEARCHLIGHTS LTD BOLTON - UNITED KINGDOM

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

UK/4.52 - DAYLIGHT SIGNALLING LAMP

*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: 26 Apr 2026

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

At BV LONDON, on 27 Oct 2023,

Spencer Yule



*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.*

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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
73991/A0 UK	05 Oct 2023	05 Oct 2028	DAYLIGHT SIGNALLING LAMP - UK/4.52	FSP 127 Mk V	

### 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.

FRANCIS SEARCHLIGHTS LTD has to apply for the periodical audits as agreed with Bureau Veritas SA UK Branch Office.

FRANCIS SEARCHLIGHTS LTD 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.

FRANCIS SEARCHLIGHTS LTD 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:

FRANCIS SEARCHLIGHTS LTD - BOLTON - UNITED KINGDOM

### 4. REMARKS

Nil.

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