



Marine & Offshore

Certificate number: 36195/B0 MED

File number: NAV0/6196

Item number: MED/4.52

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) 2018/773 of 15 May 2018

This certificate is issued to:

FRANCIS SEARCHLIGHTS LTD
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) - IMO Res. MSC.97(73)-(2000 HSC Code)
IMO Res. A.694(17) - IMO Res. MSC.95(72) - IMO Res. A.1021(26)
IEC 60945 (2002) including IEC 60945 Corrigendum 1 (2008)
ISO 25861 (2007)

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: 19 Nov 2023

For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV LONDON, on 19 Nov 2018,

Spencer Yule



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
Available accessories				
3	Lamp	11v 60wLamp	D1721	-
4	Lamp	24v 60w Lamp	D1754	-
5	Case	Carrying Case (Wood)	C01424-00	3.5Kg
6	Box	Stowage Box (Aluminium)	A4025	7.5Kg
7	Battery	12v Battery in case	C20175-01	5.8Kg
8	Battery	24v Battery in case	C20177-01	5.8Kg
9	Charger	110v-12v Battery Charger	C20169-01	1.3Kg
10	Charger	110v-24v Battery Charger	C20170-01	1.3Kg
11	Charger	220v-12v Battery Charger	C20171-01	1.3Kg
12	Charger	220v-24v Battery Charger	C20172-01	1.3Kg
13	Screen	Light Reduction Screen	C03194-01	-
14	Filter	Red Filter	C05971-01	-
15	Filter	Green Filter	C05973-01	-
16	Filter	Blue Filter	C09901-01	-
17	Plug	3 Pin Plug	C02682-00	-
18	Socket & Plug	3 Pin Socket & Plug	C02681-00	-
19	Transformer	Transformer Unit 115v/230v in 12v/24v out	C20189-00	-

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 - 11/05/2013.
- PRODUCTION TEST SPECIFICATION FOR LIGHT 5.0 INCH NSN 5850 99 527 7235. Dated 08/1996.

3. TEST REPORTS:

- QuinetiQ/S&E/SPS/MATS/R/TT 15/02. Report on EN 60945 Type Testing & Resolution MSC.95 (72). Dated August 2002. Reviewed 02/09/2002.
- MS TESTING Report TL13024-ENV. Dated 15/07/2013.
- MS TESTING Report TL13024-EMC. Dated 17/07/2013.

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:

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 **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/A0 EC issued on 23/10/2013 by the Society.

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