



(1) **EC-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**
- (3) Examination certificate number: **SEV 13 ATEX 0101**
- (4) Equipment: Signal light
Type LS-.NM-L-1
- (5) Manufacturer: SICE S.R.L.
- (6) Address: Via G. Bartolucci, 16, IT-61122 Borgo Santa Maria (PU)
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The results of the examination are recorded in confidential report no 11-IK-0181.01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:12 **EN 60079-1:07**
- (10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subjected to special conditions for safe use specified in the schedule to this certificate.
- (11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.
- (12) The marking of the equipment shall include the following:



II 2G Ex d IIB T6 Gb



**Electrosuisse
Notified Body ATEX**

Martin Plüss
Product Certification



SCF Sp 036

Fehraltorf, 2013-03-27

SEV 13 ATEX 0101 / page 1 of 2

(13)

Appendix

(14)

EC-Type Examination Certificate

(15) Description of the equipment

The offshore signal light is the ideal solution for any problem concerning signalling obstruction in difficult environments where these conditions normally reach critical levels in compliance with the IALA recommendations.

The LED signal light LS-5NM-L has a range of 5 nautical miles and is used as subsidiary signal light with the red light.

The LED signal light LS-10NM-L has a range of 10 nautical miles and is used as a main or secondary signal light with white light.

The optical tambour is composed of two independent circuits, each formed by 24 LEDs connected in series. Each circuit is protected against polarity inversion by means of diodes, and it's protected against the overvoltage by means of transient voltage suppressors.

The optical tambour is equipped with a terminal strip of 4 poles Ex-e for cables of 3x1,5mm²

The frame of LS-NM-L signal light, is realized in stainless steel. The optical protective cover is made of an acrylic tube.

Rating:	U _i = 24 V...240 V AC/DC, P _i ≤20 W
Ingress protection:	IP66
Rated ambient temperature range:	-20 °C to + 50 °C

(16) Test Report

11-IK-0181.01

(17) Special conditions for safe use

none

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied



Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification



Fehraltorf, 2013-03-27

SEV 13 ATEX 0101 / page 2 of 2