



TYPE APPROVAL CERTIFICATE



N. ELE203518CS001

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Navigation Lights
<i>Type</i>	ORSA MINORE
<i>Applicant</i>	TREM S.r.l. Via Friuli 5 40060 Osteria Grande (BO) ITALY
<i>Manufacturer</i>	TREM S.r.l. Via Friuli 5 40060 Osteria Grande (BO) ITALY
<i>Reference Standards</i>	Convention of International Regulations for preventing collision at sea, 1972 _ ed. 2003 (ref. to Italian Law 27th December 1977 n. 1085)

Issued in **Genova** on **June 18, 2018**

This certificate is valid until **June 18, 2023**

RINA Services S.p.A.

Valerio Bonanni



TYPE APPROVAL CERTIFICATE



N. ELE203518CS001

Navigation lights Series ORSA MINORE for recreational craft having length less than 12 meters

Rated voltage : 12-24 Vdc, Rated power : 10 W.

Port light

L 58 80 530; L 58 74 530; L 58 79 530; L 55 80 530b; L 55 74 530w; L 55 79 530ss.

Starboard light

L 58 80 550; L 58 74 550; L 58 79 550; L 55 80 550b; L 55 74 550w; L 55 79 550ss.

Bi-Colour light

L 58 80 610; L 58 74 610; L 58 79 610; L 55 80 610b; L 55 74 610w; L 55 79 610ss.

Masthead light

L 58 80 560; L 58 74 560; L 58 79 560; L 55 80 560b; L 55 74 560w; L 55 79 560ss.

Stern light

L 58 80 580; L 58 74 580; L 58 79 580; L 55 80 580b; L 55 74 580w; L 55 79 580ss.

Reference documents

TREM:

Technical specification TREM stamped by RINA on 03 March 2003.

Technical specification TREM stamped by RINA on 06 May 2005.

IMANNA Lab. Test reports:

n. 15925-1 (10/01/2003), n. 15925-7 (10/01/2003), n. 15925-8 (10/01/2003), n. 15925-9 (10/01/2003),
n. 15925-10 (10/01/2003), n. 16518-1 (14/07/2004), n. 16518-2 (14/07/2004), n. 16518-3 (14/07/2004),
n. 16518-4 (14/07/2004), n. 16518-7 (14/07/2004).

Istituto Giordano:

Docs n. 168893 (19/02/2003) ; 192605 (31/01/2005)

Remarks

Navigation lights to be installed and used according to the Manufacturer instruction.