



TYPE APPROVAL CERTIFICATE

N. ELE85815CS002

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

Description	Navigation Lights
Type	CROCE DEL SUD
Applicant	TREM Srl Via Friuli, 5 40060 Osteria Grande (Bologna) Italy
Manufacturer	TREM Srl Via Friuli, 5 40060 Osteria Grande (Bologna) Italy
Testing Standards	Convention on the International Regulation for Preventing Collision at Sea. (COLREG 1972) - Ref. to Italian Law 27 th December 1977 n. 1085

Issued in Genova on March 12, 2015

This certificate is valid until May 03 2020

RINA Services S.p.A.

Valerio Bonanni

Genova, March 12, 2015

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TYPE APPROVAL CERTIFICATE

N. ELE85815CS002

Navigation Lights Series CROCE DEL SUD

Lights for pleasure boats having length $L < 12$ meters

Rated voltage: 12 Vdc ; rated power: 10 W

Port Side Light:

L 36 80 530 ; L 36 74 530; L 36 79 530

Starboard Side Light

L 36 80 550 ; L 36 74 550; L 36 79 550

Masthead Light:

L 36 80 560 ; L 36 74 560; L 36 79 560

Stern Light:

L 36 80 580 ; L 36 74 580; L 36 79 580

Bi-colour Light:

L 36 80 610 ; L 36 74 610; L 36 79 610

Lights for pleasure boats having length $L < 12$ meters

Rated voltage: 24 Vdc; rated power: 10 W

Port Side Light:

L 35 80 530 b ; L 35 74 530 w ; L 35 79 530 ss

Starboard side Light:

L 35 80 550 b ; L 35 74 550 w ; L 35 79 550 ss

Masthead Light:

L 35 80 560 b ; L 35 74 560 w ; L 35 79 560 ss

Stern Light:

L 35 80 580 b ; L 35 74 580 w ; L 35 79 580 ss

Bi-colour Light:

L 35 80 610 b ; L 35 74 610 w ; L 35 79 610 ss

Reference documents

TREM Technical specification stamped by RINA on 10 March 2000.

TREM Technical specification stamped by RINA on 06 May 2005.

Test reports

LCIE doc. n. 9197 010 (02 March 2000)

IMANNA docs. n. 16518-14 (23/ 07/2004), 16518-15 (23/07/2004), 16518-17 (23/07/2004),

16518-23 (20/01/2005), 16518-24 (20/01/2005),

ISTITUTO GIORDANO doc. n. 192605 (31/01/2005)

Remarks

Navigation lights to be used and installed in accordance with COLREG Requirements and Manufacturer instructions.

Genova, March 12, 2015

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