



# TYPE APPROVAL CERTIFICATE

N. ELE253816CS001



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

<b>Description</b>	<b>Navigation Lights</b>
<b>Type</b>	1140601, 1140602, 1140603, 1140604, 1140701, 1140702, 1140703, 1140704, 1140801, 1140802, 1140803, 1140804
<b>Applicant</b>	Osculati SpA Via Pacinotti, 12 20090 Segrate (MI) Italy
<b>Manufacturer</b>	Osculati SpA Via Pacinotti, 12 20090 Segrate (MI) Italy
<b>Reference Standards</b>	International Regulations for preventing collision at sea, 1972. (reference to Italian Law 27 <sup>th</sup> December 1977 n. 1085) and additional tests according to RINA Rules Part C, Ch. 3, Sec. 6, table 1.

Issued in Genova on August 11, 2016

This certificate is valid until August 11, 2021

RINA service S.p.A.

*Francesco Sciacca*

Genova, August 11, 2016

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## Description

Navigation lights for recreational craft having length less than 12 metres

Type	Model	Color	Lamp	Lens	Body	Base	Visibility
Port Side	1140601	Red	12V - 10W	plexiglass 8N	AISI 304	AISI 304	112° 30' / 1 mile
Starboard Side	1140602	Green	12V - 10W	plexiglass 8N	AISI 304	AISI 304	112° 30' / 1 mile
Masthead	1140603	White	12V - 8W	plexiglass 8N	AISI 304	AISI 304	225° / 2 miles
Stern	1140604	White	12V - 8W	plexiglass 8N	AISI 304	AISI 304	135° / 2 miles
Port Side	1140701	Red	12V - 10W	plexiglass 8N	Brass	LEXAN 141R	112° 30' / 1 mile
Starboard Side	1140702	Green	12V - 10W	plexiglass 8N	Brass	LEXAN 141R	112° 30' / 1 mile
Masthead	1140703	White	12V - 10W	plexiglass 8N	Brass	LEXAN 141R	225° / 2 miles
Stern	1140704	White	12V - 10W	plexiglass 8N	Brass	LEXAN 141R	135° / 2 miles
Port Side	1140801	Red	12V - 10W	plexiglass 8N	LEXAN 141R	LEXAN 141R	112° 30' / 1 mile
Starboard Side	1140802	Green	12V - 10W	plexiglass 8N	LEXAN 141R	LEXAN 141R	112° 30' / 1 mile
Masthead	1140803	White	12V - 10W	plexiglass 8N	LEXAN 141R	LEXAN 141R	225° / 2 miles
Stern	1140804	White	12V - 10W	plexiglass 8N	LEXAN 141R	LEXAN 141R	135° / 2 miles

Max. supply voltage variation allowed:  $\pm 10\%$  of rated voltage.

## Reference documentation

### Series 1140600:

Dwgs n. 11.406.01, 11.406.02, 11406.03, 11406.04 stamped by RINA on 30 ay 2002

Doc. LCIE n. 36189010/A (27 May 2002)

Doc. Osculati filed by RINA on 24August 2011

### Series 1140700:

Dwgs stamped by RINA on 09 August 2000

Doc. LCIE n. 22799020 (10 July 2000)

Doc. Osculati filed by RINA on 24 August 2011

### Series 1140800:

Dwgs stamped by RINA on 28 August 2000

Doc. LCIE n. 23182020 (18 August 2000)

Doc. Osculati filed by RINA on 24 August 2011

## General remarks

Navigation lights to be installed according to the COLREG 72 requirements as well as the Manufacturer instructions.

Genova, August 11, 2016

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