



# TYPE APPROVAL CERTIFICATE

**N. ELE049321CS**

**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>	<b>Compact 12 Series</b> <b>11.446.01, 11.446.02, 11.446.04, 11.448.01, 11.448.02, 11.448.04,</b> <b>11.448.11, 11.448.12, 11.448.14, 11.448.61, 11.448.62, 11.448.64</b> <b>11.456.01, 11.456.02, 11.456.04</b>
<b>Applicant</b>	<b>Osculati S.r.l.</b> Via Masolino da Panicale, 6 20155 Milano Italy
<b>Manufacturer</b>	<b>Osculati S.r.l.</b> Via Pacinotti, 12 20090 Segrate (MI) Italy
<b>Testing Standards</b>	<b>Convention of the International Regulation for Preventing Collision at Sea.</b> <b>(COLREG 1972)</b>

Issued in **Genova** on **February 16, 2021**

This certificate is valid until **February 16, 2026**

**RINA Service S.p.A.**



*Luigi Benedetti*



# TYPE APPROVAL CERTIFICATE

## N. ELE049321CS

### Navigation lights for recreational craft having length less than 12 meters

Type	Model	Light Color	LED Lamp Supply P / V	H. Sector		Body	Lens	Protection (IP)	Visibility
Starboard Side Light	1144802	Green	0.8W - 12Vdc	112.5°		Polycarb. BLACK	PMMA	IP 56	1 mile
Starboard Side Light	1144812	Green	0.8W - 12Vdc	112.5°		Polycarb. WHITE	PMMA	IP 56	1 mile
Starboard Side Light	1144862	Green	0.8W - 12Vdc	112.5°		Polycarb. GRAY	PMMA	IP 56	1 mile
Starboard Side Light	1144602	Green	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile
Starboard Side Light	1145602	Green	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile
Port Side Light	1144801	Red	0.8W - 12Vdc	112.5°		Polycarb. BLACK	PMMA	IP 56	1 mile
Port Side Light	1144811	Red	0.8W - 12Vdc	112.5°		Polycarb. WHITE	PMMA	IP 56	1 mile
Port Side Light	1144861	Red	0.8W - 12Vdc	112.5°		Polycarb. GRAY	PMMA	IP 56	1 mile
Port Side Light	1144601	Red	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile
Port Side Light	1145601	Red	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile

power supply range: 11 to 16 Vdc

### Navigation lights for recreational craft having length less than 20 meters

Type	Model	Light Color	LED Lamp Supply P / V	H. Sector		Body	Lens	Protection (IP)	Visibility
Stern Light	1144804	White	0.8W - 12Vdc	135°		Polycarb. BLACK	PMMA	IP 56	2 miles
Stern Light	1144814	White	0.8W - 12Vdc	135°		Polycarb. WHITE	PMMA	IP 56	2 miles
Stern Light	1144864	White	0.8W - 12Vdc	135°		Polycarb. GRAY	PMMA	IP 56	2 miles
Stern Light	1144604	White	0.8W - 12Vdc	135°		INOX	PMMA	IP 56	2 miles
Stern Light	1145604	White	0.8W - 12Vdc	135°		INOX	PMMA	IP 56	2 miles

power supply range: 11 to 16 Vdc

#### Osculati data sheets:

1144802, 1144812, 1144602, 1144801, 1144811, 1144601, 1144804, 1144814, 1144604, 1145601, 1145602, 1145604.  
Schede OSCULATI n. 11.448.XX(002.PNG ; 11.446.XX(002).PNG

#### Ecelab test reports:

0485/EU13 (08/11/2013) Rev. 9.46 (28/04/2014); 0486/EU13 (11/11/2013) Rev. 9.45 (28/04/2014);  
0438/EU13 (01/10/2013) Rev. 9.33 (28/04/2014); 0222/EU16 (16/06/2016); 0223/EU16 (16/06/2016);

#### TesLab test reports:

142027F (2014/03/18); 167133A (2016/07/19)

RINA Report : supply variation n 2021CS01493

**Remarks:** Navigation lights to be used and installed in accordance with COLREG Requirements as well as the manufacturer instructions.

