



TYPE APPROVAL CERTIFICATE

N. ELE253816CS004



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	1144604; 1144804; 1144814; 1144601; 1144801; 1144811; 1144602; 1144802; 1144812; 1145601; 1145602; 1145604
Applicant	Osculati SpA Via Pacinotti, 12 20090 Segrate (MI) Italy
Manufacturer	Osculati SpA Via Pacinotti, 12 20090 Segrate (MI) 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 August 11, 2016

This certificate is valid until August 11, 2021

RINA service S.p.A.

Francesco Sciacca



TYPE APPROVAL CERTIFICATE

N. ELE253816CS004



Description

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	1144602	Green	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile
Starboard Side Light	1145602	Green	0.8W - 12Vdc	112.5°		Cover 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	1144601	Red	0.8W - 12Vdc	112.5°		INOX	PMMA	IP 56	1 mile
Port Side Light	1145601	Red	0.8W - 12Vdc	112.5°		Cover INOX	PMMA	IP 56	1 mile

Operating power supply range : 11,5 to 14,5 Vdc

Navigation lights for recreational craft having length less than 50 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	1144604	White	0.8W - 12Vdc	135°		INOX	PMMA	IP 56	2 miles
Stern Light	1145604	White	0.8W - 12Vdc	135°		Cover INOX	PMMA	IP 56	2 miles

Operating power supply range : 11,5 to 14,5 Vdc

Osculati data sheets:

1144802, 1144812, 1144602, 1144801, 1144811, 1144601, 1144804, 1144814, 1144604, 1145601, 1145602, 1145604.

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)

Remarks

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

Genova, August 11, 2016

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