



TYPE APPROVAL CERTIFICATE

N. ELE253720CS

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>	SPHERA II 11.060.01; 11.060.11; 11.060.02; 11.060.12; 11.060.03; 11.060.13; 11.060.04; 11.060.14; 11.060.05; 11.060.15; 11.061.01; 11.061.11; SPHERA III 11.060.21; 11.060.22; 11.060.23; 11.060.24; 11.060.25 11.062.21; 11.062.22; 11.062.23; 11.062.24; 11.062.25
<i>Applicant</i>	OSCULATI S.r.L Via Pacinotti, 12 20090 Segrate (MI) Italy
<i>Manufacturer</i>	OSCULATI S.r.L. Via Pacinotti, 12 20090 Segrate (MI) Italy
<i>Testing standards</i>	Convention of International Regulations for preventing collisions at sea, (COLREG 1972)

Issued in **Genova** on **October 20, 2020**

This certificate is valid until **October 20, 2025**

RINA Services S.p.A.



Luigi Benedetti



TYPE APPROVAL CERTIFICATE

N. ELE253720CS

SPHERA II LED Navigation lights, for recreational craft having length 20 meters or less

Light Type	Model	Lens Color	Lens Material	Bulb Lamp Supply	Horizon Arc	Visibility	Protection (IP)	Cover Material
Vertical mounting								
Port Side Light	11.060.01	Red	PMMA	12Vdc - 24Vdc 2W	112.5°	2 NM	IP 56	ABS Black
Port Side Light	11.060.11	Red			112.5°			ABS White
Starboard Light	11.060.02	Green			112.5°			ABS Black
Starboard Light	11.060.12	Green			112.5°			ABS White
Masthead Light	11.060.03	White			225°			ABS Black
Masthead Light	11.060.13	White			225°			ABS White
Stern Light	11.060.04	White			135°			ABS Black
Stern Light	11.060.14	White			135°			ABS White
Port + Starboard	11.060.05	R+G			2x112.5°			ABS Black
Port + Starboard	11.060.15	R+G			2x112.5°			ABS White
All round Light	11.061.01	White			360°	3 NM *	ABS Black	
All round Light	11.061.11	White			360°		ABS White	

* Vessels up to 50 meters

SPHERA III LED Navigation lights, for recreational craft having length 20 meters or less

Light Type	Model	Lens Color	Lens Material	Bulb Lamp Supply	Horizon Arc	Visibility	Protection (IP)	Cover Material
Vertical mounting								
Port Side Light	11.060.21	Red	PMMA	12Vdc - 24Vdc 2W	112.5°	2 NM	IP 56	INOX
Starboard Light	11.060.22	Green			112.5°			
Masthead Light	11.060.23	White			225°			
Stern Light	11.060.24	White			135°			
Port + Starboard	11.060.25	R+G			2x112.5°			
Horizontal mounting bracket								
Port Side Light	11.062.21	Red	PMMA	12Vdc - 24Vdc 2W	112.5°	2 NM	IP 56	INOX
Starboard Light	11.062.22	Green			112.5°			
Masthead Light	11.062.23	White			225°			
Stern Light	11.062.24	White			135°			
Port + Starboard	11.062.25	R+G			2x112.5°			

Reference documentation

Osculati datasheets:

n. 11.060.01, 11.060.02, 11.060.03, 11.060.04, 11.060.05, 11.061.01

Osculati Statement : Declaration of equivalence (15/10/2020)

Test Report

IMANNA docs. n. 18767-1A, 18767-2A, 18767-3A, 18767-3A, 18767-4A, 18767-5A, 18767-53, 19154-10
TESLAB docs. n. 10C201F (14/04/11), 10C203F (14/04/2011), 127125E (27/02/2012), 151011E (2015/02/03).
ECELAB docs. n. 0442/EU14, 0443/EU14, 0444/EU14, 0446/EU14, (18/12/2014); 0129/EU15 (05/02/2015)
n. 0226/EU20 (29/09/2020), 0227/EU20 (29/09/2020), 0228/EU20 (29/09/2020).

General remarks:

Navigation lights to be installed and used according to COLREG 72 requirements and the Manufacturer instructions.

