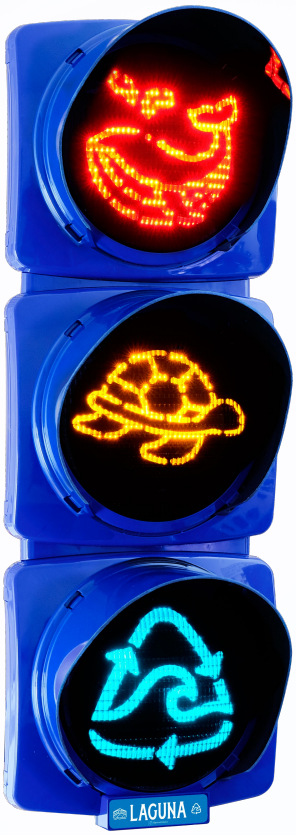
LA SEMAFORICA

LAGUNA

Eco-Sustainable Traffic Signal Heads



The new generation of eco-sustainable traffic signal heads.

CE marked according to EN12368:2006, tested by accredited laboratories.

With over 80 years of experience in traffic regulation systems, LA SEMAFORICA introduces **LAGUNA**, the evolution of the GALILEO platform.

Built on the well-established GALILEO architecture – already installed in many countries worldwide – LAGUNA maintains its reliability, robustness and performance while introducing a distinctive material innovation.

The housing is manufactured using **UV-stabilized recycled polycarbonate derived from Ocean Bound Plastic (OBP)**, collected in coastal areas at high risk of marine leakage, carefully selected, treated and transformed into high-performance technical raw material.

Every year millions of tons of plastic reach the oceans. The use of OBP material allows plastic waste to be intercepted before entering marine ecosystems and transformed into durable urban infrastructure, without compromising quality, safety or performance.

The **complete OBP supply chain certification is currently being finalized**, with completion expected by **September 2026**.

GENERAL FEATURES

LAGUNA combines technology and design:

- Housing made from recycled technical polycarbonate derived from Ocean Bound Plastic (OBP)
- Reduction in the use of virgin raw materials
- Slim and modern design suitable for urban and historical city centers
- High-efficiency STARLED3 LED optical system

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- Energy savings up to 90% compared to traditional incandescent solutions
- Available in 200 mm and 300 mm diameters
- Hybrid configuration available (300 mm red / 200 mm yellow-green)
- High mechanical resistance and UV stability
- Vertical and horizontal installation with anti-fall visor
- Compatible with accessories and mounting systems of the previous platform

CONSTRUCTION FEATURES

LAGUNA builds upon the proven GALILEO technical architecture, integrating a polymer compound derived from Ocean Bound Plastic (OBP) collected in coastal and marine environments.

The material undergoes:

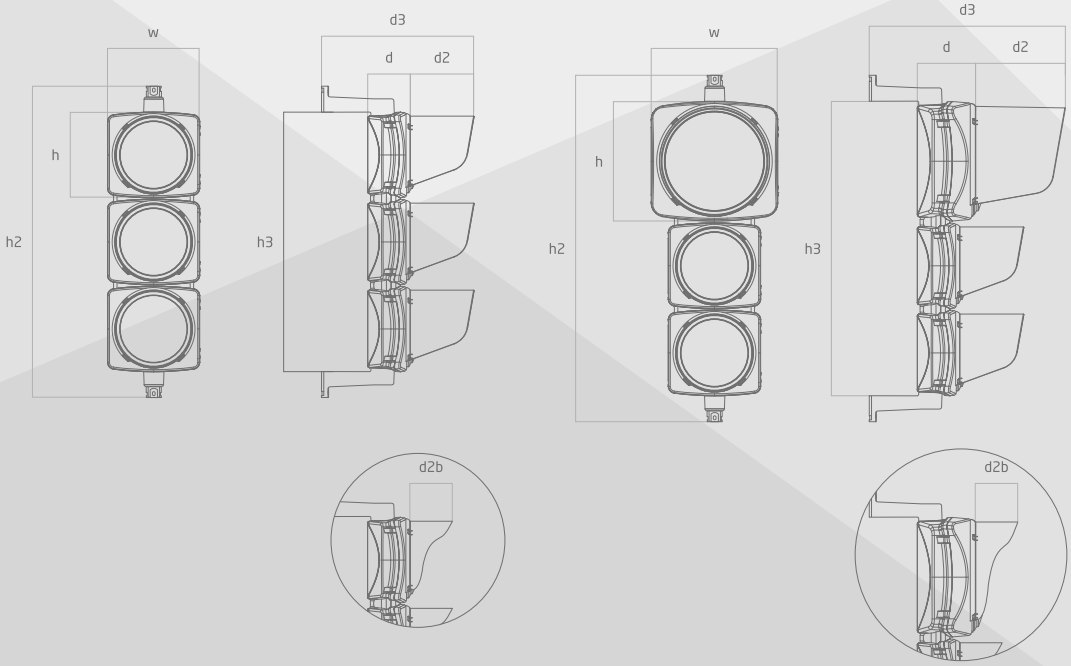
- Collection in coastal areas at risk of marine dispersion
- Selection and traceability verification
- Cleaning and purification
- Controlled recycling and technical compounding

The result is a UV-stabilized polycarbonate suitable for high-performance outdoor infrastructure applications and compliant with European standards.

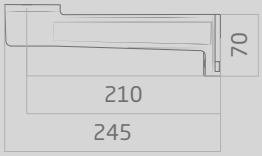
Quick-release doors with 180° opening, protected locking system for qualified operators, anti-fall visor with 4-point fixing system, and mounting brackets compatible with the most widely used support systems on the market.

TECHNICAL SPECIFICATIONS

Material	UV-stabilized recycled polycarbonate derived from Ocean Bound Plastic (OBP)
Impact resistance	Acc. EN60598-1 Class IR3 Acc. EN12368:2006
Protection rating	IP55 Acc. EN60529 Class IV Acc. EN12368:2006
Insulation class	Class II
Diameters	200 mm - 300 mm combinable
Optical unit	STARLED3
Operating temperature	-40°C +60°C
Vibration and damp heat resistance	According to EN standards

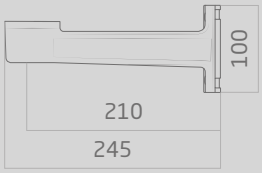


ADT

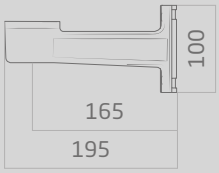


ADTC

ADW



ADWC



Diameter	Aspects	w	h	h2	h3 ADT/ADTC	h3 ADW/ADWC	d	d2	d2b	d3 ADT/ADW	d3 ADTC/ADWC
200mm	1	265	246	394	254	194	110	196	130	480	429
	2			640	500	440					
	3			890	750	690					
300mm	1	363	346	490	350	290	152	273	130	599	548
	2			835	695	635					
	3			1192	1052	992					
300mm 200mm 200mm	3	363	346	995	855	795	152	273	130	599	548

Measurements in mm

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