LA SEMAFORICA

ALO

Optimized Luminous Crossing

MAXIMUM SAFETY AND VISIBILITY

ALO is the innovative solution for safer and more efficient pedestrian crossings. With an advanced adaptive lighting system and intelligent management, ALO ensures maximum visibility for pedestrians, reducing accident risks and improving road safety in all conditions.

ALO is not just a lighting system, but a true ally for road safety.

Designed to enhance the visibility of pedestrian crossings, it significantly reduces the risk of accidents and ensures maximum energy efficiency.

Thanks to the combination of smart sensors and adaptive lighting, ALO only activates when needed, avoiding waste and maximizing visibility..

INTELLIGENT TECHNOLOGY FOR ROAD SAFETY

- **Adaptive lighting**: The light automatically intensifies when a pedestrian approaches, enhancing vehicle perception.
- **Advanced sensors**: Presence detection via radar sensors or touch button “Activate” for targeted illumination only when needed.
- **Fading effect**: Smooth transition between light intensities without abrupt changes, ensuring a more comfortable visual experience.
- **Energy saving**: Smart brightness regulation optimizes consumption without compromising safety.
- **Certified luminous signage**: Backlit panels and high-efficiency flashers ensure excellent visibility even in low-light conditions.

In order to offer the best possible service, La Semaforica reserves the right to modify at any moment and without any warning the features of the products described in this document. This document has the only purpose of illustrating the products. If you need detailed technical data, please do not hesitate to contact us.

DURABILITY AND RELIABILITY

- **Weather-resistant**: Available in two versions: IP66 polyester enclosure for maximum protection against dust, humidity, and extreme conditions, or IP44 roadside cabinet with lever closure and key handle, ideal for fixed installations on poles or ground.
- **High-quality materials**: Built with durable components tested for maximum efficiency over time.
- **Long lifespan**: Guaranteed 50,000 hours of operation with minimal maintenance.
- **Electrical safety**: Advanced protection against short circuits, overloads, and overheating for reliable and continuous use.

CERTIFIED SAFETY AND COMPLIANCE

ALO meets major European standards for road safety and public lighting, ensuring quality and reliability:

- **CEI 64-8**: Installazione di impianti elettrici.
- **EN 60598-2-22**: Requisiti per apparecchi di illuminazione per uso esterno.
- **Directive 2014/35/EU**: Compatibilità elettromagnetica (CEM).
- **Directive 2014/30/EU**: Sicurezza elettrica delle apparecchiature.
- **UNI EN 12352**: Requisiti dispositivi di preavviso e sicurezza.
- **UNI EN 12899**: Requisiti per la segnaletica verticale.

Compliance with these standards ensures that ALO is a reliable and safe solution for pedestrian crossing lighting.

EASY AND VERSATILE INSTALLATION

ALO is designed for quick and simple installation, adapting to different urban configurations. With the possibility of pole or ground installation using a roadside cabinet, it integrates seamlessly into any city setting without requiring invasive work.

- **Modular configuration**: Various options to meet specific needs.
- **Compatibility with existing systems**: Can be integrated into current infrastructures.
- **Low maintenance**: Designed for high performance with minimal intervention.

SMART CITY READY

ALO is designed to integrate seamlessly with smart urban infrastructures, facilitating public lighting management and contributing to safer and more efficient roadways.

Thanks to its advanced technology and high-quality construction, ALO is a strategic choice for public administrations and companies investing in cutting-edge safety solutions.

TECHNICAL FEATURES	
Lighting Type	Dimmable LEDs with 50%-100% regulation
Activation	Radar sensors, touch button "Activate"
Luminous Signage	60×60 cm backlit pedestrian panels
Flashers	Yellow Ø100 mm LED
Power Supply	12V DC / 230V AC ±10%
Protection	IP66 Enclosure or IP44 Roadside Cabinet
LED Lifespan	Over 50,000 hours of operation
Safety Systems	Protection against short circuits and overloads
Lighting Management	Automatic dimming and gradual fading
Smart City Ready	Compatible with centralized systems
Panel Material	Anodized aluminum with plexiglass sheets
Panel Dimensions	60×60 cm double-sided with reflective film
Temperature Range	-30°C to +50°C
Mounting System	Flag-mounted on vertical pole or ground
Minimum Panel Height	2.20 m
Touch Button Height	Min. 1 m - Max. 1.30 m
Installation Options	Grid connection or backup battery option

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