



MCL360-XS

High energy efficiency

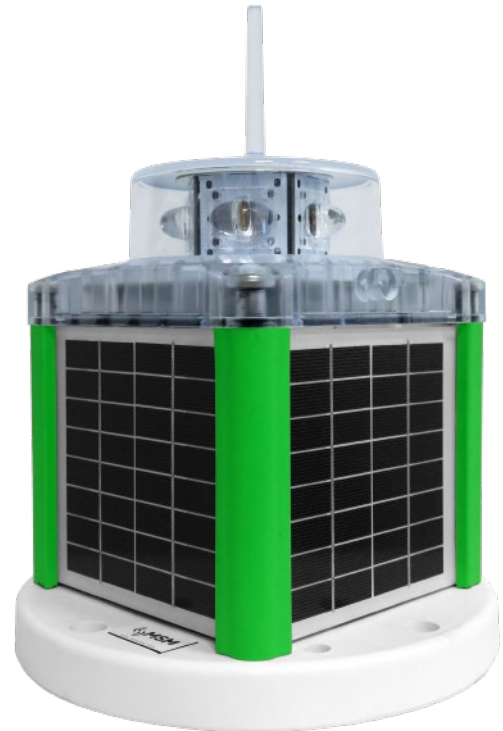
The MCL360-XS has been designed to deliver maximum energy efficiency in a compact housing. Its configuration of solar panels on all four sides, combined with a low-consumption optimized battery, ensures reliable operation even in environments with limited solar radiation. This makes it an ideal solution for fixed and floating solar installations requiring uninterrupted service under demanding conditions, without the need for high luminous ranges.

Efficient optical system

The MCL360-XS features a high-efficiency optical system, engineered to maximize luminous output while minimizing energy consumption. Its luminous system allow for a range of up to 7 nautical miles, providing a clear and reliable signal with excellent autonomy, even in areas with low solar exposure.

Low power consumption

Thanks to its optimized design, the MCL360-XS focuses all available energy on its essential function: signalling. This results in an autonomy of up to 400 hours without solar charging, making it an ideal choice for isolated installations of short to medium range.



FEATURES

- High-efficiency luminous system.
Up to 7 nm ($T=0.74$).
- Vertical divergence up to 10° ($50\%I_0$).
- Average operation lifetime over 10 years.
- Ideal self-contained lantern for energy demanding applications.
- IP 68 watertightness degree (immersion resistant).
- Programming, configuration and operating status via PC (RS-232 serial port), Bluetooth or IR programmer.
- GPS synchronization module included as standard.
- Autonomy without solar charging up to 400 hours.
- Designed according to IALA Recommendations.

Dimensions

MCL360-XS

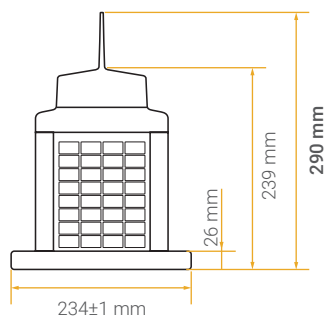
Solar module

2 W x 4 nos.

Battery

57.6 Wh / 9.6 Ah

Autonomy without solar charging
up to 400 hours



Technical features

Light source:	Ultra-bright LED diodes, with high-precision acrylic lenses.
LED average life:	More than 100,000 hours.
Flash rhythms:	256 rhythms (6 nos. user selectable).
Vertical divergence:	5°, 8° and 10°.
Battery:	Lead Crystal®. Maintenance-free.
On/Off Switch:	External battery switch
Lens cover:	UV stabilised Polycarbonate. Integrated bird spike.
Chasis:	Anodised marine aluminium.
Base:	Polyamide PA66-GF30.
Fixings:	Standard (4 - 3 bolts in a 200 mm diameter).
Watertightness degree:	IP 68.

Options

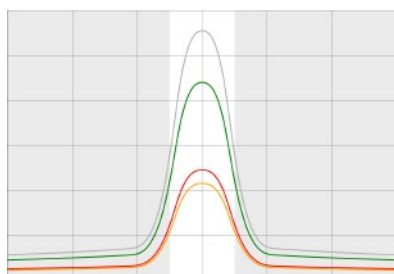
Charging port.
Tool kit.
Spare parts kit.
Fixing screws Kit.
Other fixings available.
Other bird deterrent systems.
Other specifications available under request.



Peak intensities (Cd)

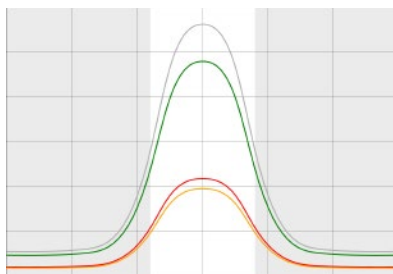
MCL360-XS | Up to 7 NM

DIVERGENCE 5°



333 Cd 129 Cd
264 Cd 147 Cd

DIVERGENCE 8°



252 Cd 88 Cd
215 Cd 98 Cd

DIVERGENCE 10°



201 Cd 74 Cd
194 Cd 82 Cd



Specifications subject to change without previous notice.
Luminous ranges will be affected depending on latitude, flash rhythms and chosen options.