

NEXO

Wired LED Marine Lantern

Range up to 15 NM

IALA E-200-1 COMPLIANT

NEXO is the wired marine lantern in the deStellys range, engineered for permanent Aids to Navigation (AtoN) installations supplied by a continuous external power source. Designed to operate directly from a 12 VDC supply, NEXO is the ideal solution for powered navigation buoys, harbor infrastructure, breakwaters, jetties, bridge structures, and fixed beacons where reliable electrical power is permanently available.

Featuring a fully sealed, IP68-rated enclosure designed to withstand prolonged immersion in harsh marine environments, NEXO delivers a nominal luminous range of up to 15 nautical miles. Its integrated photocell provides automatic dusk-to-dawn operation, ensuring dependable performance with minimal operator intervention. Fully compliant with IALA Recommendation E-200-1, NEXO is available in standard IALA signal colors and can be equipped with GPS synchronization for precise simultaneous flashing across multiple navigation marks.



Up to 15 NM
Nominal Range



GPS
Synchronization (Optional)



12 V DC / 110–240 V AC / 48 V DC
Operating Voltage



5°
Vertical Divergence



360°
Horizontal Coverage



IP68
Waterproof Protection

AVAILABLE COLORS



All colors are fully compliant with IALA specifications.

APPLICATIONS



Lighthouses & fixed beacons
Permanent signaling on grid-connected structures.



Powered buoys
Buoys equipped with an onboard electrical supply.



Pier heads & breakwaters
Harbour entrance marking, jetty tips, sea walls.



Offshore installations
Safety marking on oil platforms and wind farms.

TECHNICAL DATA



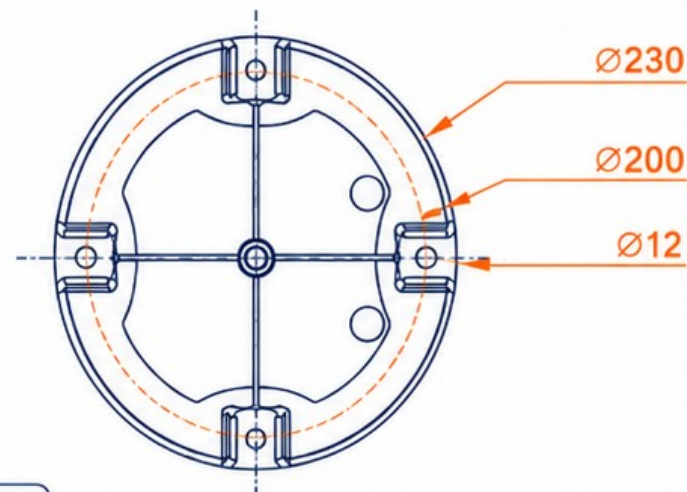
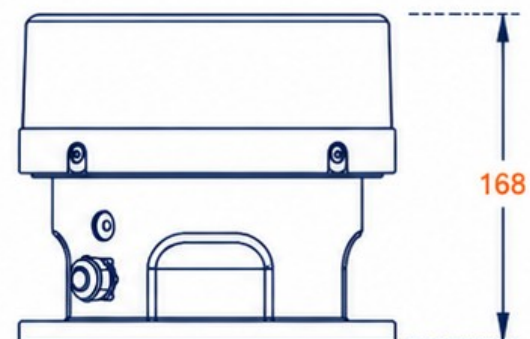
PHOTOMETRIC PERFORMANCE	
Visible Range	up to 15 NM (AT@0.74)
Vertical Divergence	5 deg
Horizontal Coverage	360 deg
Operation Mode	Dusk-to-dawn Automatically (Built-in photocell)

ELECTRICAL CHARACTERISTICS	
Light Source	High Performance LED
Operating Voltage	12 V DC, 110-240 V AC, 48 V DC, others on request
Special Features	GPS Synchronization

MECHANICAL CHARACTERISTICS	
Lens Diameter	200 mm
Lens Material	UV protected Polycarbonate
Body Material	Powder Coated Aluminum
Mounting	4 holes on diameter 200 mm bolt pattern, hole Ø12
Dimension	230 x 230 x 168 mm
Weight	2.5 kg
Waterproofing	IP68
Temperature Range	-50 to +60°C
Product Life Expectancy Average	10 years

PROGRAMMING & CONFIGURATION	
IALA Flash Patterns	360+ Flashing Modes
Programming Method	InfraRed Remote Controller

CERTIFICATIONS & COMPLIANCE	
Regulations	IALA E-200-1; CE
Warranty	2 years



DETAILS



Side View

Compact wired marine lantern body.



Top View

Textured top lens and optical assembly.



Optical Assembly

Clear lens and LED optics.

PRODUCT CODE

Standard

NEXO-c

c : color

