AirSea TECHNOLOGY

Marine Navigation Lighting

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Reliable Marine Navigation Lighting for Safe and Clear Guidance

Lighthouses and marine navigation lights play a vital role in maritime safety, guiding vessels by clearly indicating water conditions through internationally recognized colors. Each light color provides immediate visual information to help captains navigate confidently and safely.

- Green light (G) identifies safe water, guiding vessels along secure routes.
- White light (W) is used for general navigational beacons, marking areas without specific hazards or where no preferential route is required.
- Red light (R) signals dangerous areas, warning vessels that the water is unsafe or marking the starboard side of a channel.

MARINE RED ALL IN ONE Beacon – Compact, Powerful, and Compliant

The AirSea Technology MARINE RED ALL IN ONE beacon is a high performance multi LED marine navigation light, fully compliant with applicable marine guidelines. Designed for lighthouses, docks, and critical navigation points, it delivers exceptional visibility and reliability in demanding marine environments.
Its compact and lightweight design allows for quick and flexible installation on horizontal surfaces using its base or on vertical surfaces with the included mounting bracket. A carefully engineered balance of patented lenses, advanced electronics, and robust mechanical components ensures long term durability and outstanding performance.

The ideal solution for marking hazardous waters, protecting navigation routes, and ensuring maximum maritime safety—day and night.

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MARINE NAVIGATION AIDS

3nM RED LIGHT Ex NIGHT MODE
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 3nM (nautical mile) night mode, red flashing (Morse Letter "U")
- Horizontal beam radiation 360°
- Vertical beam spread >2,5°
- PMMA lens

MECHANICAL FEATURES

- Painted RAL 7035 aluminium body
- Borosilicate glass dome
- Degree of protection: IP66
- Operating temperature: -52°C to +60°C
- Lamp unit weight: 15kg
- ATEX marking:
  II 2GD Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- IECEx marking:
  Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- TRCU RU marking:
  1 Ex db e IIC T6...T3 GbX,
  Ex tb IIIC T135°C...T200°C Db X

ELECTRICAL FEATURES

- Power supply from LUXSOLAR control panel (to be purchased separately
- Average power consumption 6W
- LED feeded at constant current

APPLY TO

- Oil&Gas platform
- Other individual structure
- Used as main light to ensure that at least one light is visible upon approaching the structure from any direction

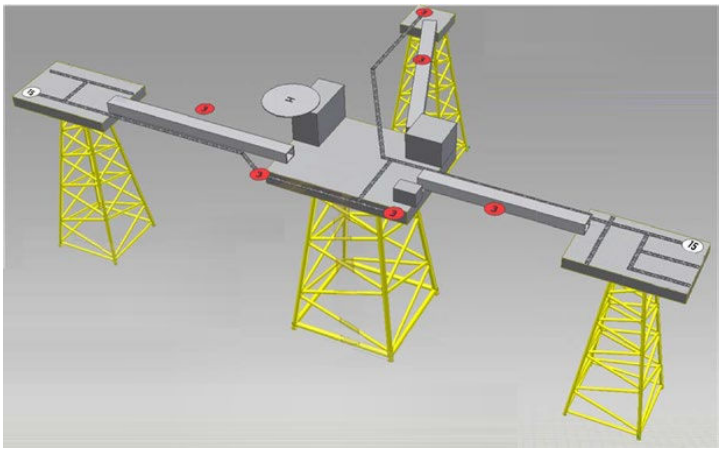
CERTIFICATIONS

- ATEX certificate
- IECEx certificate
- TRCUcertificate
- CE marking
- IALA Maritime Buoyage System (MBS)
- IALA Recommendation O-139

PART NUMBER

- Part number:
- AST.MNL-LXS-3nM-Ex-230 VAC
- AST.MNL-LXS-3nM-Ex-24 VDC

HAZARDOUS AREA



MARINE NAVIGATION AIDS

5nM RED LIGHT Ex NIGHT MODE
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 5nM (nautical mile) night mode, red flashing (Morse Letter "U")
- Horizontal beam radiation 360°
- Vertical beam spread >2,5°
- PMMA lens

MECHANICAL FEATURES

- Painted RAL 7035 aluminium body
- Borosilicate glass dome
- Degree of protection: IP66
- Operating temperature: -52°C to +60°C
- Lamp unit weight: 15kg
- ATEX marking:
  II 2GD Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- IECEx marking:
  Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- TRCU RU marking:
  1 Ex db e IIC T6...T3 GbX,
  Ex tb IIIC T135°C...T200°C Db X

ELECTRICAL FEATURES

- Power supply from LUXSOLAR control panel (to be purchased separately
- Average power consumption 6W
- LED feeded at constant current

APPLY TO

- Oil&Gas platform
- Other individual structure
- Used as main light to ensure that at least one light is visible upon approaching the structure from any direction

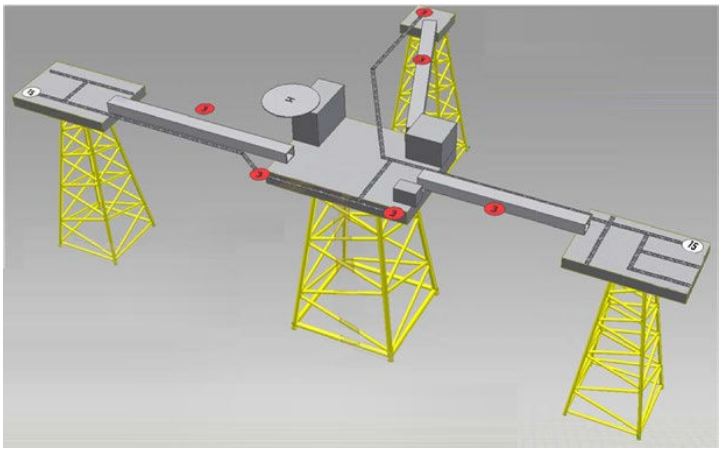
CERTIFICATIONS

- ATEX certificate
- IECEx certificate
- TRCUcertificate
- CE marking
- IALA Maritime Buoyage System (MBS)
- IALA Recommendation O-139

PART NUMBER

- Part number:
- AST.MNL-LXS-5nM-Ex-230 VAC
- AST.MNL-LXS-5nM-Ex-24 VDC

HAZARDOUS AREA



MARINE NAVIGATION AIDS

15nM WHITE LIGHT Ex NIGHT MODE
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 15nM (nautical mile) night mode, WHITE flashing (Morse Letter "U")
- Horizontal beam radiation 360°
- Vertical beam spread >2,5°
- PMMA lens

MECHANICAL FEATURES

- Painted RAL 7035 aluminium body
- Borosilicate glass dome
- Degree of protection: IP66
- Operating temperature: -52°C to +60°C
- Lamp unit weight: 15kg
- ATEX marking:
  II 2GD Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- IECEx marking:
  Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- TRCU RU marking:
  1 Ex db e IIC T6...T3 GbX,
  Ex tb IIIC T135°C...T200°C Db X

ELECTRICAL FEATURES

- Power supply from LUXSOLAR control panel (to be purchased separately
- Average power consumption 6W
- LED feeded at constant current

APPLY TO

- Oil&Gas platform
- Other individual structure
- Used as main light to ensure that at least one light is visible upon approaching the structure from any direction

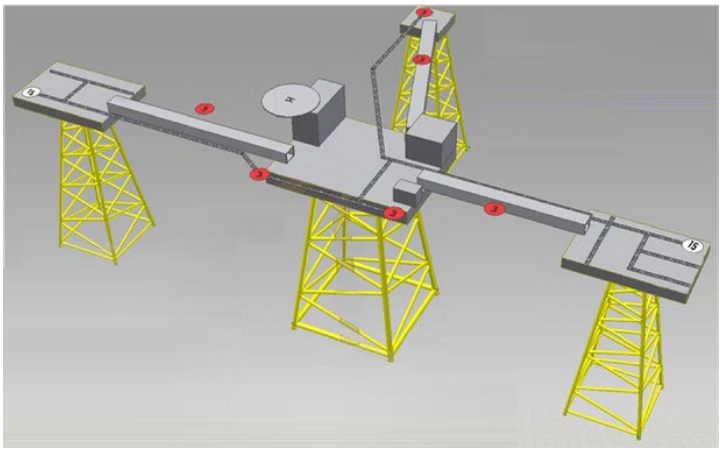
CERTIFICATIONS

- ATEX certificate
- IECEx certificate
- TRCUcertificate
- CE marking
- IALA Maritime Buoyage System (MBS)
- IALA Recommendation O-139

PART NUMBER

- Part number:
  - **AST.MNL-LXS-15nM-Ex-8**

HAZARDOUS AREA



MARINE NAVIGATION AIDS

10nM WHITE LIGHT Ex NIGHT MODE
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 10nM (nautical mile) night mode, WHITE flashing (Morse Letter "U")
- Horizontal beam radiation 360°
- Vertical beam spread >2,5°
- PMMA lens

MECHANICAL FEATURES

- Painted RAL 7035 aluminium body
- Borosilicate glass dome
- Degree of protection: IP66
- Operating temperature: -52°C to +60°C
- Lamp unit weight: 15kg
- ATEX marking:
  II 2GD Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- IECEx marking:
  Ex de IIC T4 Gb, Ex tb IIIC T135°C Db
- TRCU RU marking:
  1 Ex db e IIC T6...T3 GbX,
  Ex tb IIIC T135°C...T200°C Db X

ELECTRICAL FEATURES

- Power supply from LUXSOLAR control panel (to be purchased separately
- Average power consumption 6W
- LED feeded at constant current

APPLY TO

- Oil&Gas platform
- Other individual structure
- Used as main light to ensure that at least one light is visible upon approaching the structure from any direction

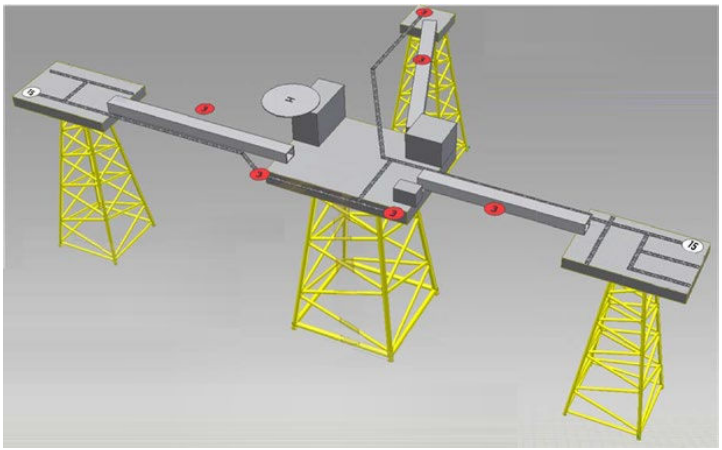
CERTIFICATIONS

- ATEX certificate
- IECEx certificate
- TRCUcertificate
- CE marking
- IALA Maritime Buoyage System (MBS)
- IALA Recommendation O-139

PART NUMBER

- Part number:
  - **AST.MNL-LXS-10nM-Ex-8**

HAZARDOUS AREA



For more information

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