Aircraft Warning Lights

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Aircraft Warning Lights

At AirSea Technology ApS, we deliver advanced obstruction lighting solutions designed to protect people, assets, and critical infrastructure between land and sky. Our company is built on commitment, proximity, and flexibility —values that guide every project and every partnership. Our mission is simple and unwavering: to make airspace safer, clearer, and more reliable.

Low Intensity Lights

Our Low Intensity range is available in two ICAO compliant categories:

- Type A – 10 cd
- Type B – 32 cd

Using modern LED technology, we provide lighting systems that are robust, watertight (IP66), energy efficient, and built for long service life (100,000 hours). All Low Intensity systems are fully certified by Civil Aviation authorities and suitable for obstacles below 45 meters, including pylons, civil engineering structures, buildings, cranes, and airport lighting masts.

Medium Intensity Lights

Our Medium Intensity Aircraft Warning Lights are available in five configurations:

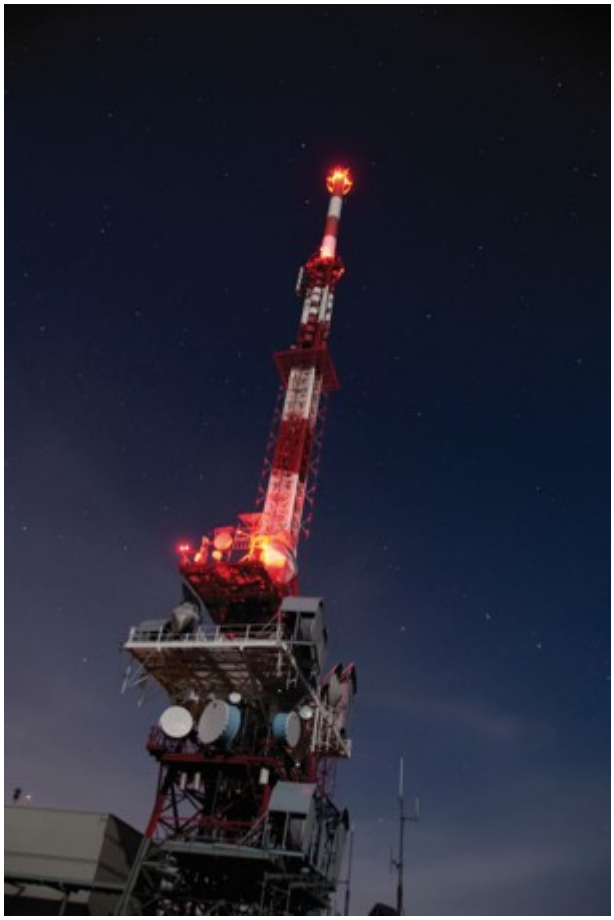
- Type A – White flashing (20,000 cd day / 2,000 cd night)
- Type B – Red flashing (2,000 cd night)
- Type C – Red steady burning (2,000 cd night)
- Type A & B – White flashing (20,000 cd day) + Red flashing (2,000 cd night)
- Type A & C – White flashing (20,000 cd day) + Red steady burning (2,000 cd night)

High Intensity Lights

Our High Intensity solutions are engineered for maximum visibility and safety:

- Type A – 200,000 cd (day), 20,000 cd (twilight), 2,000 cd (night)
- Type B – 100,000 cd (day), 20,000 cd (twilight), 2,000 cd (night)

All systems use LED technology, ensuring durability, low power consumption, and long operational life.



Smart Options & Complete Solutions

Our lighting systems can be equipped with essential features such as:

- Photocell for automatic night activation
- Dry contact for monitoring and integration

To provide a complete turnkey solution, AirSea Technology also offers:

- Power Supply Cabinets
- Uninterruptible Power Supplies (UPS)
- Solar Power Systems

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AirSea Low Iintensity Obstuction Light

As specified by **Annex 14 of ICAO regulation, Low Intensity Obstruction Lights (LIOL) should be used to warn the presence of obstacles up to 45m height,** such as telecommunication towers, wind turbines, chimneys, cranes, buildings and other structures.

Low Intensity Obstruction Lights are the simplest devices according to ICAO standards and they have the following characteristics and uses:

- LIOL, **Type A (intensity >10cd, red steady burning)** can be used alone;
- LIOL, **Type B (intensity >32cd, red steady burning)**, can be used either alone or in combination with medium intensity obstacle lights Type B, Type AB or with high intensity obstacle lights Type AB;
- LIOL, **Type E (intensity >32cd, red flashing),** can be used either alone or in combination with medium intensity obstacle lights, Type B. Flashing rate will be set at the same rate of other flashing beacons installed on the structure.

LIOL-A, LIOL-B and LIOL-E TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning
- RED light - Flashing
- LIOL-A: >10 cd
- LIOL-B: >32 cd
- LIOL-E: >32 cd (flashing light)
- Cd emission: +6° and +10°
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins for maximum heat dissipation
- Policarbonate UV resistant dome
- Polyurethane foam
- Terminal JB for connection in Glass Reinforced Polyester (GRP), black colour
- Degree of protection: IP66
- Operating temperature: -20°C to +50°C
- Lamp unit weight: 1kg approx.
- Anticondensation Goretex valve
- SS304 beacon support bracket

ELECTRICAL FEATURES

- Power supply AC or DC
- Power consumption LIOL-A: 2W (for DC)
- Power consumption LIOL-B: 3W (for DC)
- Power consumption LIOL-E: 2W (for DC)
- LED feeded at costant current

ORDERING CODE

OPTIONS

- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)
- Automatic changeover from normal to backup light
- Fault alarm
- IR Wavelength - 850nM, compatible with pilot's NVG
- LUXSOLAR Cloud Monitoring System - Low Impact

APPLY TO

- Airport
- Stack
- High Building
- Chimney
- Tower crane
- Pipe line
- Bridge
- Transmission line
- Radio and television tower
- Wind turbine
- Wind mast measurement
- Radar
- Antenna

CERTIFICATIONS

- DGAC/STAC approval nr. 2013A048
- ENAC approval nr. 0135182/ENAC/CIA
- EASA test report (EN17025 laboratory) nr. 326-QL20-R03/R04
- CE marking

COMPLIANCE

- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light, Type E flashing obstacle light
- FAA AC150/5345-43; E.B. #67 type L-810
- EASA CS-ADR-DSN, Chapter Q

AVIMAR ORDERING CODE	[A] = Type A >10cd Steady Burning	[B] = Type B >32cd Steady Burning	[E] = Type E >32cd Flashing	JB GRP	115Vac	230Vac	12Vdc	24Vdc	48Vdc	TWIN	"INFRA RED"	SS304 SUPPORT	"FAULT CONTACT"	"AUTO SWITCH"	"TWILIGHT SENSOR"	*READ Y for CLOUD
AST.L810-AR-[...]GS6R0S	•	•		•	•	•						•				
AST.L810-AR-[...]GS2R1T	•	•	•	•			•	•		•		•	•	•	•	•
AST.L810-AR-[...]GS2R2T	•	•	•	•			•	•		•		•	•	•		•
AST.L810-AR-[...]GS2R1I	•	•	•	•			•	•			•	•	•		•	•
AST.L810-AR-[...]GS6R1T	•	•	•	•	•	•				•		•	•	•	•	•
AST.L810-AR-[...]GS6R2T	•	•	•	•	•	•				•		•	•	•		•
AST.L810-AR-[...]GS6R1I	•	•	•	•	•	•					•	•	•		•	•
AST.L810-AR-[...]GS7R1T	•	•	•	•					•	•		•	•	•	•	•
AST.L810-AR-[...]GS7R2T	•	•	•	•					•	•		•	•	•		•

*Please specify "CLOUD" at the end of the code to add an innovative monitoring technology, specifically designed to receive and upload data on customer dedicated LUXSOLAR Web Dashboard. Through this system you will be able to monitor the status of the system, receive real-time reports and diagnostic.

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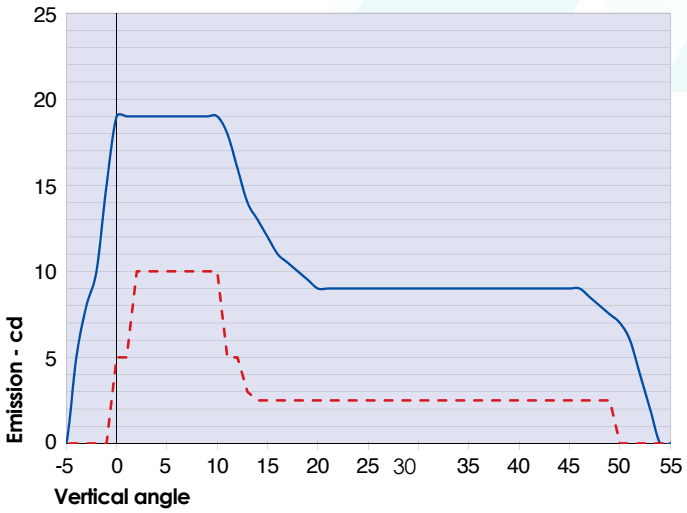
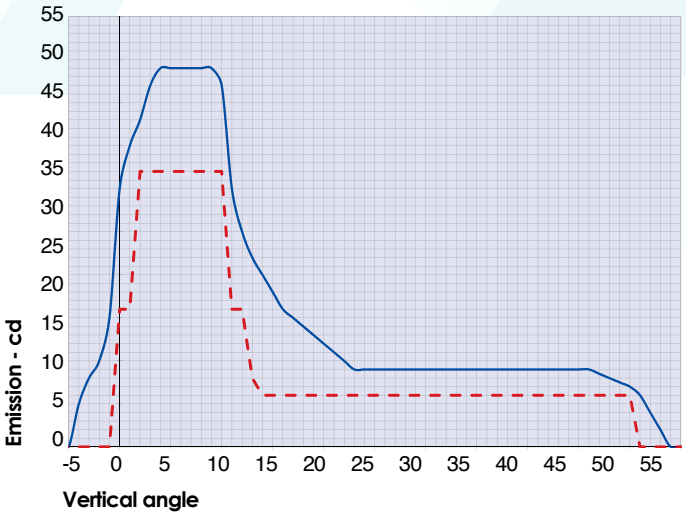
LIOL-A, LIOL-B and LIOL-E TECHNICAL SPECIFICATIONS



L810-LXS-A average emission level

ICAO ANNEX 14 low intensity type A Minimum Required Intensity

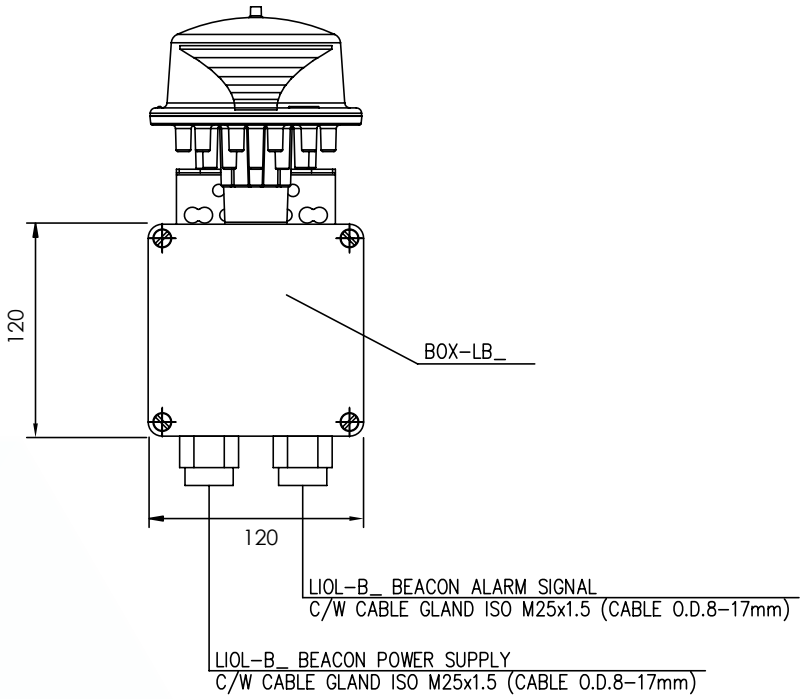


L810-LXS-B/E average emission level

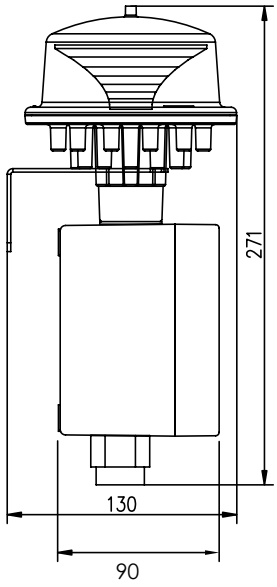
ICAO ANNEX 14 low intensity type B and E Min Required Intensity

TECHNICAL DRAWING

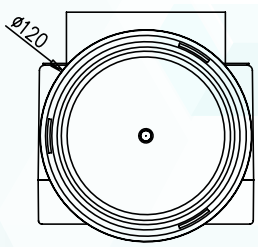
FRONT VIEW



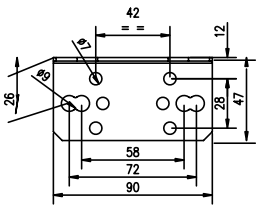
SIDE VIEW



FRONT VIEW



SIDE VIEW



SOLEO TYPE B - SINGLE

DESCRIPTION

The **SOLEOBIB** and **SOLEOBIB TWINY** are environmentally friendly systems, dedicated to an autonomous night beaconing (red steady burning). The long life LEDs (100 000 hours) enable to have a maintenance free system, and the solar station is dimensioned for more than 60 hours of autonomy. The device is provided with a photocell for an automatic switch ON / OFF and a dry contact for failure alarm. It is also available with a 110-240V input as back-up power supply. The TWINY version is equipped with a second light bulb, and with the exclusive redundant DB AirSea system, which automatic test is launched every day. In case of failure of one light bulb, the second light bulb automatically switches on. The specific design of the box is the most convenient solution on the market for installation: the mounting frame is part of the box and its arms can be adjusted in horizontal or vertical position.

ADVANTAGES

- Long life time > 10 years
- Proven solar technology and dimensionning
- DELTA BOX exclusive self-test when the photocell is integrated
- Autonomous system (no need for other power supply)
- 2-year warranty
- Zamac box with epoxy powder painting
- Available with cable between the lights and the solar unit for an easier accessibility to the box.

SOLEO TYPE B - TWINY

APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Low intensity beacons can be installed on structures up to 45m in height. According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hours beaconing in case of power supply failure.

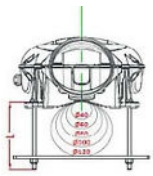
MODELS

REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT	TYPE
AST.SOLBIB10C	Solar	Included	Not Included	Single
AST.SOLBIB11C	Solar	Included	Included	Single
AST.SOLBIBTWC	Solar	Included	Included	Twiny

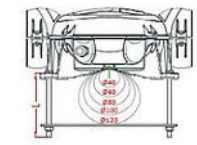
CHARACTERISTICS

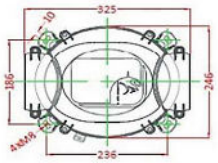
LUMINOUS	
Luminous source	Red LEDS
Horizontal / Vertical beam	360° / 10°
Luminous intensity	> 32 Cd
MTBF	100 000 hours
ELECTRICAL	
Voltage	Solar
Operating temperature	-10°C to +55°C
Solar panel	1 x 20 Watts Monocrystalline
Battery	2 x AGM 12V 7Ah
Autonomy	60 hours (without charging)
Protection class	IP66
MECHANICAL	
Body material	Zamac
Lens material	Aluminum
Mounting	M8 screw (in option)
Height	480mm
Weight	< 15 Kg
Solar panel dimensions	525 mm x 325 mm
ENVIRONMENTAL	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
CERTIFICATIONS	
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE
OACI	Annex 14, Volume I, Chapter 6
FAA	Compliant FAA L-810
Quality	ISO 9001 ; 2015
WARRANTY	
Warranty period	2 years

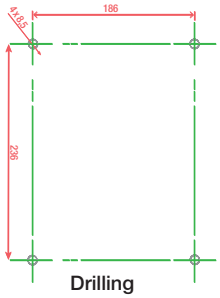
DIMENSIONS



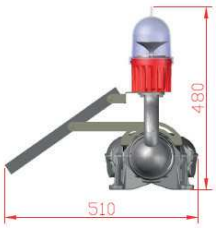
SCREW LENGTH	
Ø :	L :
Ø40	50
Ø60	70
Ø80	90
Ø100	110
Ø120	130







Drilling



AVAILABLE ACCESSORIES FOR INSTALLATION

- Specific stainless steel mounting
- Iron plate and thread rod

AVAILABLE VERSIONS

UNCOUPLED BULB

Can be provided with 5 to 20m of cable between the bulb and solar unit, to ease maintenance operations.

230V BACK-UP

The ZAMAC box is provided with a 110-240V input for a back-up power supply.

REINFORCED

Available with a 30W solar panel for areas with low sun exposure

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WHITE FLASH (20 000 CD DAY / 20 000 CD TWILIGHT / 2 000 CD NIGHT)

DESCRIPTION

The AST.LEDEOMIA is a medium intensity light equipped with multi-LEDs technology, developed with an aluminum design for a natural fresh cooling system. Dedicated to a day and night beaconing, it has a long life time (100 000 hours), a robust design, and a low consumption (starting from 40W). The LEDEOMIA is provided with a photocell for an automatic switch ON / OFF, and a dry contact for failure alarm. Moreover, it can be solar power supplied and has been designed for an easy installation.

ADVANTAGES

- Integrated synchronization wire (optical fiber, GPS and TCPIP available)
- Long life time > 10 years
- Multi-LEDs technology
- Average consumption <40W
- DELTA BOX exclusive self-test included with photocell
- No maintenance
- 2-year warranty
- Zamac box with epoxy powder painting
- IP66

APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Medium Intensity lights can be installed on structures from 45 to 150 meters tall, with an intermediary level of marking. According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hours of beaconing in case of power supply failure.

MODELS

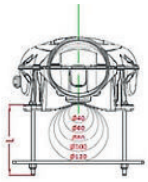
REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT
AST.LMIA01BB*	48V DC	Not included	included
AST.LMIA11BB	48V DC	Included	Included
AST.LMIA01MB*	110-240V AC	Not included	included
AST.LMIA11MB	110-240V AC	Included	Included

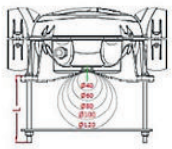
* ***to be used with an external AirSafe photocell***

CHARACTERISTICS

LUMINOUS	
Luminous source	White flash LEDS
Horizontal / Vertical beam	360° / 3°
Luminous intensity	20 000 Cd Day 2 000 Cd Night
Flash frequency	20 to 60 fpm
MTBF	100 000 hours
ELECTRICAL	
Voltage	48V DC / 110 to 240V AC
Operating temperature	-20°C to +55°C
Consumption	< 40 Watts at 20 fpm
Current Imax	In 48V: I = 4 400mA
	In 230V: I < 1 000mA
Protection class	IP66
MECHANICAL	
Box material	Zamac
Body lamp material	Aluminum
Lens material	Polycarbonate
Mounting	M8 screw (in option)
Height / Width	410mm / 410mm
Weight	< 17 Kg
ENVIRONMENTAL	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
CERTIFICATIONS	
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE
OACI	Annex 14, Volume I, Chapter 6
FAA	Compliant FAA L-865
Quality	ISO 9001 ; 2015
WARRANTY	
Warranty period	2 years

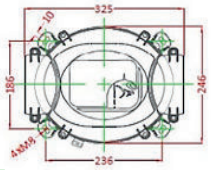
DIMENSIONS

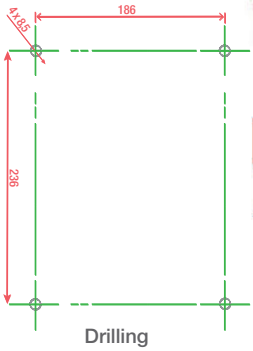




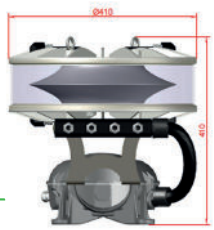
SCREW LENGTH	
Ø :	L :
Ø40	50
Ø60	70
Ø80	90
Ø100	110
Ø120	130

Iron plate and thread rod in option

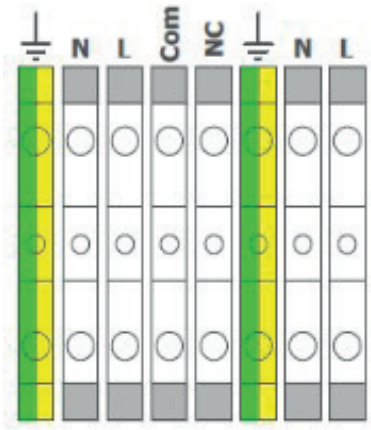




Drilling



WIRING



AVAILABLE VERSIONS

180° VERSION

The number of LEDs is divided by two for beacons that need to flash only over a 180° horizontal beam. It enables to decrease the power consumption.

AVAILABLE ACCESSORIES FOR INSTALLATION

- Power supply cabinet
- UPS System
- Solar kit
- Type "L" fixation mountings

HV Line | Crane | Structure | Wind Turbine

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TYPE B

RED FLASH (2 000 CD NIGHT)

DESCRIPTION

The **AST.LEDEO SMIB** is a medium intensity light with multi-LEDs technology, developed with a zamac design for a natural fresh cooling system. Dedicated to a night beaconing, it is a long life time system (100 000 hours), very strong with a low consumption (6W at 20 flashes/minute). The AST.LEDEO SMIB is provided with a photocell for an automatic switch ON/OFF, and a dry contact for failure alarm. Moreover, it can be solar power supplied. It has been designed for an easy installation.

ADVANTAGES

- Integrated synchronization wire (optical fiber, GPS and TCPIP available)
- Long life time > 10 years
- Multi-LEDs
- Low consumption 6W (20 flashes/minute)
- AirSea-DB exclusive self-test included with photocell
- No maintenance
- Zamac box with epoxy powder painting
- IP66
- Light and compact design for an easy installation
- External LED for visual diagnostic
- Modulation of consumption according to exterior T°C
- Connection box integrated in the light
- 2-year warranty

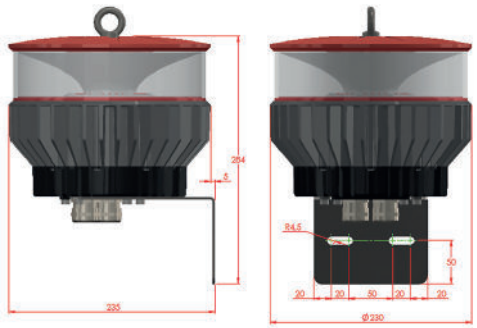
MODELS

REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT
AST.SMIB01AB	24V DC	Not included	Included
AST.SMIB11AB	24V DC	Included	Included
AST.SMIB01BB	48V DC	Not included	Included
AST.SMIB11BB	48V DC	Included	Included
AST.SMIB01MB	110-240V AC	Not included	included
AST.SMIB11MB	110-240V AC	Included	Included

CHARACTERISTICS

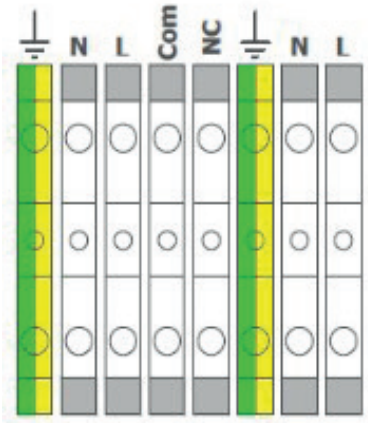
LUMINOUS	
Luminous source	Red flash LEDS
Horizontal / Vertical beam	360° / 3°
Luminous intensity	2 000 Cd Night
Flash frequency	20 to 60 fpm
MTBF	100 000 hours
ELECTRICAL	
Voltage	24V DC / 48V DC / 110 to 240V AC
Operating temperature	-45°C to +55°C
Consumption	< 6 Watts at 20 fpm
Current Imax	In 48V: I = 1.5 A
	In 230V: I < 400 mA
Protection class	IP66
MECHANICAL	
Box material	Zamac
Lens material	Polycarbonate
Mounting	M6 screw (included)
Height / Width (with fixation mountings)	284mm / 235mm
Weight	< 5 Kg
ENVIRONMENTAL	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
CERTIFICATIONS	
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE
OACI	Annex 14, Volume I, Chapter 6
FAA	Compliant FAA L-864
Quality	ISO 9001 ; 2015
WARRANTY	
Warranty period	2 years

DIMENSIONS



Fixation mountings in option

WIRING



AVAILABLE ACCESSORIES FOR INSTALLATION

- Power supply cabinet
- UPS System
- Solar kit
- Type "L" fixation mountings

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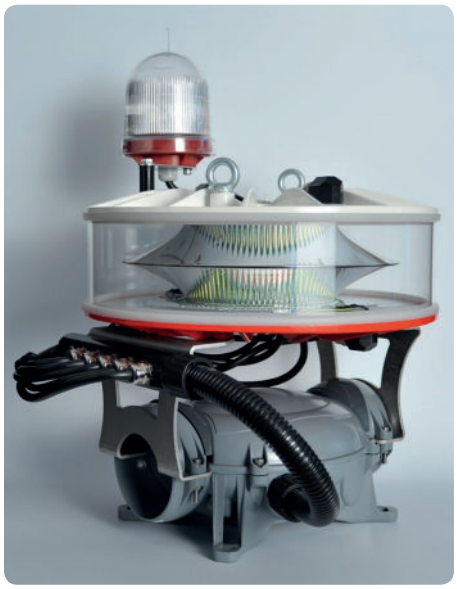
MEDIUM INTENSITY OBSTRUCTION LIGHT

DUAL TYPE A & B

WHITE FLASH (20 000 CD DAY / 20 000 CD TWILIGHT) + RED FLASH (2 000 CD NIGHT)



DESCRIPTION

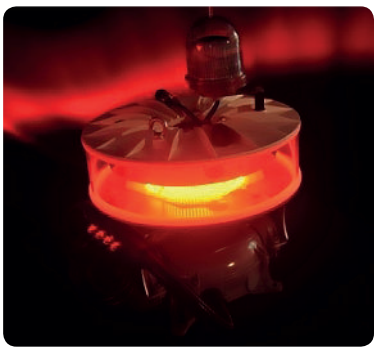
The **AST.LEDEO MIAB** is a medium intensity beacon equipped with the multi- LEDs technology. Dedicated to a day (white flash) and night (red flash) beaconing, it is a long life beacon (100 000 hours), very robust and with a low consumption (<40W). A photocell and a dry contact can be provided either in the light or deported in a control cabinet (safety power supply or conventional control panel). It can be solar power supplied and has been designed for an easy installation.

ADVANTAGES

- Integrated synchronization wired, optical fiber, GPS and TCPIP available
- Long life time > 10 years
- Multi-LEDs
- Low consumption < 40W
- AirSea-DB exclusive self-test included with photocell
- No maintenance
- 2-year warranty
- Zamac box with epoxy powder painting
- IP66

APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Medium Intensity lights can be installed on structures from 45 to 150 meters tall, with an intermediary level of marking. According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hours of beaconing in case of power supply failure.



MODELS

REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT
AST.LMIAB01BB*	48V DC	Not included	Included
AST.LMIAB11BB	48V DC	Included	Included
AST.LMIAB01MB*	110-240V AC	Not included	Included
AST.LMIAB11MB	110-240V AC	Included	Included

* *to be used with an external AirSea-DB photocell*

MEDIUM INTENSITY OBSTRUCTION LIGHT

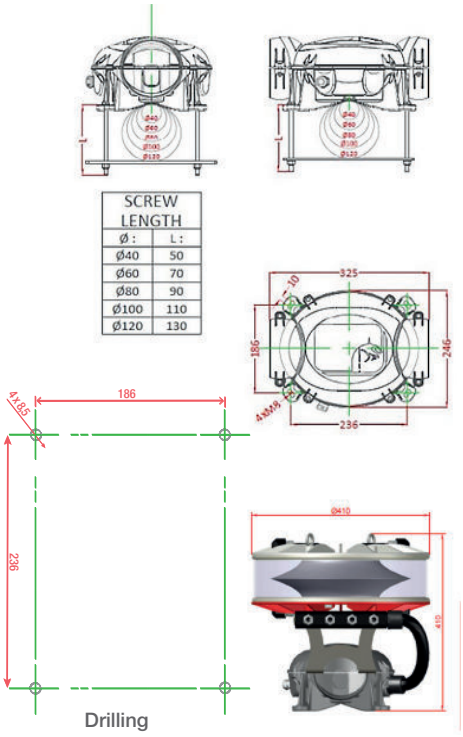
DUAL TYPE A & B

WHITE FLASH (20 000 CD DAY / 20 000 CD TWILIGHT) + RED FLASH (2 000 CD NIGHT)

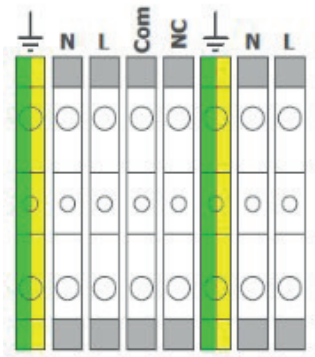
CHARACTERISTICS

LUMINOUS	
Luminous source	White / Red flash LEDS
Horizontal / Vertical beam	360° / 3°
Luminous intensity	20 000 Cd Day 2 000 Cd Night
Flash frequency	20 to 60 fpm
MTBF	100 000 hours
ELECTRICAL	
Voltage	48V DC / 110 to 240V AC
Operating temperature	-20°C to +55°C
Consumption (day mode)	< 40 Watts at 20 fpm
Consumption (night mode)	< 15 Watts at 20 fpm
Current Imax (day mode)	In 48V: I = 4 400mA
	In 230V: I < 1 000mA
Current Imax (night mode)	In 48V: I = 1 400mA
	In 230V: I < 350mA
Protection class	IP66
MECHANICAL	
Box material	Zamac
Body lamp material	Aluminum
Lens material	Polycarbonate
Mounting	M8 screw (in option)
Height / Width	410mm / 410mm
Weight	< 18 Kg
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
CERTIFICATIONS	
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE
OACI	Annex 14, Volume I, Chapter 6
FAA	Compliant FAA L-864 / L-865
Quality	ISO 9001 ; 2015
WARRANTY	
Warranty period	2 years

DIMENSIONS



WIRING



AVAILABLE VERSIONS

180° VERSION

The number of LEDs is divided by two for beacons that need to flash only over a 180° horizontal beam. It enables to decrease the power consumption.

AVAILABLE ACCESSORIES FOR INSTALLATION

- Power supply
- UPS System
- Solar kit
- Type "L" fixation mountings

HV Line | Crane | Structure | Wind Turbine

AirSea Technology ApS
Moesgaardvej 14
8270 Hojbjerg - Denmark
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MEDIUM INTENSITY OBSTRUCTION LIGHT

DUAL TYPE A & C

WHITE FLASH (20 000 CD DAY / 20 000 CD TWILIGHT) + RED STEADY BURN (2 000 CD NIGHT)

DESCRIPTION

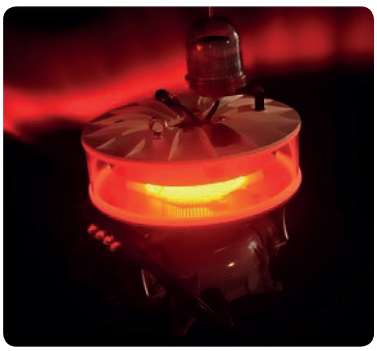
The **AST.LEDEO MIAC** is a medium intensity beacon equipped with the multi-LEDs technology. Dedicated to a day (white flash) and night (red flash) beaconing, it is a long life beacon (100 000 hours), very robust and with a low consumption (<50W). A photocell and a dry contact can be provided either in the light or deported in a control cabinet (safety power supply or conventional control panel). It can be solar power supplied and has been designed for an easy installation.

ADVANTAGES

- Integrated synchronization wire (optical fiber, GPS and TCPIP available)
- Long life time > 10 years
- Multi-LEDs technology
- Low consumption < 50W
- AirSea-DB exclusive self-test included with photocell
- No maintenance
- 2-year warranty
- Zamac box with epoxy power painting
- IP66

APPLICATIONS

Rules concerning aircraft beaconing are established by the ICAO (Annex 14, Chapter 6). Medium Intensity lights can be installed on structures from 45 to 150 meters tall, with an intermediary level of marking. According to the rules, an uninterruptible power supply cabinet has to be installed to insure a 12 hours of beaconing in case of power supply failure.



MODELS

REFERENCE	VOLTAGE	PHOTOCELL	DRY CONTACT
AST.LMIAC01BB*	48V DC	Not included	Included
AST.LMIAC11BB	48V DC	Included	Included
AST.LMIAC01MB*	110-240V AC	Not included	Included
AST.LMIAC11MB	110-240V AC	Included	Included

** to be used with an external DB-AirSea photocell*

DUAL TYPE A & C

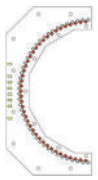
WHITE FLASH (20 000 CD DAY / 20 000 CD TWILIGHT) + RED STEADY BURN (2 000 CD NIGHT)

CHARACTERISTICS

LUMINOUS	
Luminous source	White flashing / Red steady burning LEDS
Horizontal / Vertical beam	360° / 3°
Luminous intensity	20 000 Cd (Day, white) 2 000 Cd (Night, red)
Flash frequency	20 to 60 fpm
MTBF	100 000 hours
ELECTRICAL	
Voltage	48V DC / 110 to 240V AC
Operating temperature	-20°C to +55°C
Consumption	< 50 Watts
Current Imax (day mode)	In 48V: I = 4 400mA
	In 230V: I < 1 000mA
Current Imax (night mode)	In 48V: I = 1 400mA
	In 230V: I < 350mA
Protection class	IP66
MECHANICAL	
Box material	Zamac
Body lamp material	Aluminum
Lens material	Polycarbonate
Mounting	M8 screw (in option)
Height / Width	410mm / 410mm
Weight	< 18 Kg
ENVIRONMENTAL	
Humidity	100%
Frost	-60°C
Wind speed	240 Km/h
CERTIFICATIONS	
CE	EN60947-1 CEI60364, NF C15-100 2014 / 35 / UE
OACI	Annex 14, Volume I, Chapter 6
FAA	Compliant FAA L-864 / L-865
Quality	ISO 9001 ; 2015
WARRANTY	
Warranty period	2 years

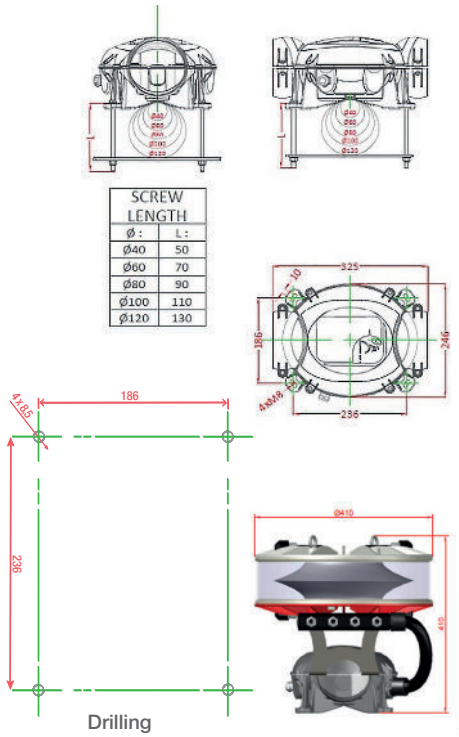
AVAILABLE VERSIONS

180° VERSION

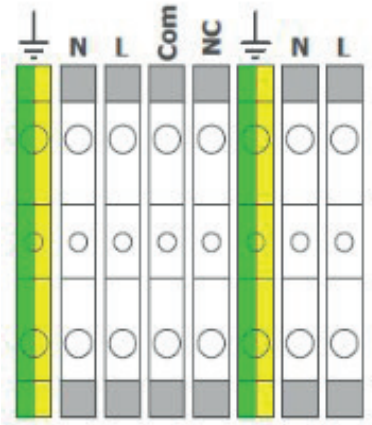


The number of LEDs is divided by two for beacons that need to flash only over a 180° horizontal beam. It enables to decrease the power consumption.

DIMENSIONS



WIRING



AVAILABLE ACCESSORIES FOR INSTALLATION

- Power supply
- UPS System
- Solar kit
- Type "L" fixation mountings

HV Line | Crane | Structure | Wind Turbine

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HIGH INTENSITY
OBSTRUCTION LIGHT

According to ICAO - Annex 14, the High Intensity Obstruction Lights – Type A - are used to indicate the presence of structures whose height above the level of the surrounding ground exceeds 150m. It is also used when aeronautical studies indicates such lights to be essential for recognition of the structure by day and night.

The High Intensity Obstruction Lights – Type B are used to indicate the presence of a tower supporting overhead wires, cables, etc., where an aeronautical studies indicates such lights to be essential for the recognition of the presence of wires, cables, etc.; or where it has not been found practicable to install markers on the wires, cables, etc.
High intensity lights, Types A and Types B, have sufficient intensity to meet the most demanding day-time requirements. The intensity setting for twilight and night provide appropriate lower levels of output.

When specifying this type of light, it is necessary not only to consider the operational requirement of high intensity but also to consider the size and weight of the equipment.
Whereas other types of lighting have an horizontal coverage of 360°, high intensity lighting usually consist of units having an horizontal coverage of approximately 120°. It is therefore necessary to install a number of units at each corner of the structure to obtain all-round coverage.

HIOL-A 60°/120° (LXS-RUG)
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 200.000cd day mode, flashing WHITE
- 20.000cd twilight mode, flashing WHITE
- 2.000cd night mode, flashing WHITE
- Cd emission @ -0,5° and +4°
- Horizontal beam radiation: 60° and 120°
- Vertical beam spread: +3 / +7°
- PMMA lens (PMMA)
- Light output alignment device

MECHANICAL FEATURES

- RAL 7035 painted aluminium body lamp
- Silicone gasket
- Borosilicate glass cover protection
- Degree of protection: IP66
- Anti-condensation Gore-Tex valve
- Operating temperature: -45°C to +55°C
- Storage temperature:: -45°C to +55°C
- Lamp unit weight: 15kg approx

OPTIONS

- Dual AB: white flash on day, red flash on night
- Dual AC: white flash on day, red steady
- Beacon support bracket
- Power supply AC or DC
- GPS (Global Position System) Sync
- Infrared version

ELECTRICAL FEATURES

- Alarm/remote status control
- Electronic control parts installed outside the beacon (see pag. 30)
- Average power consumption LXS-FLAT 60° @40fpm:
  - Day mode:110W
  - Twilight mode: 13W
  - Night mode: 6W
- Average power consumption LXS-FLAT 120° @40fpm:
  - Day mode: 220W
  - Twilight mode: 26W
  - Night mode: 12W
- Overvoltage protection
- No RF radiations

APPLY TO

- Airport - Stack - High building - Chimney - Tower crane
- Pipe line - Bridge - Radio and television tower
- Transmission line - Wind turbine - Wind mast measurement
- Radar - Antenna

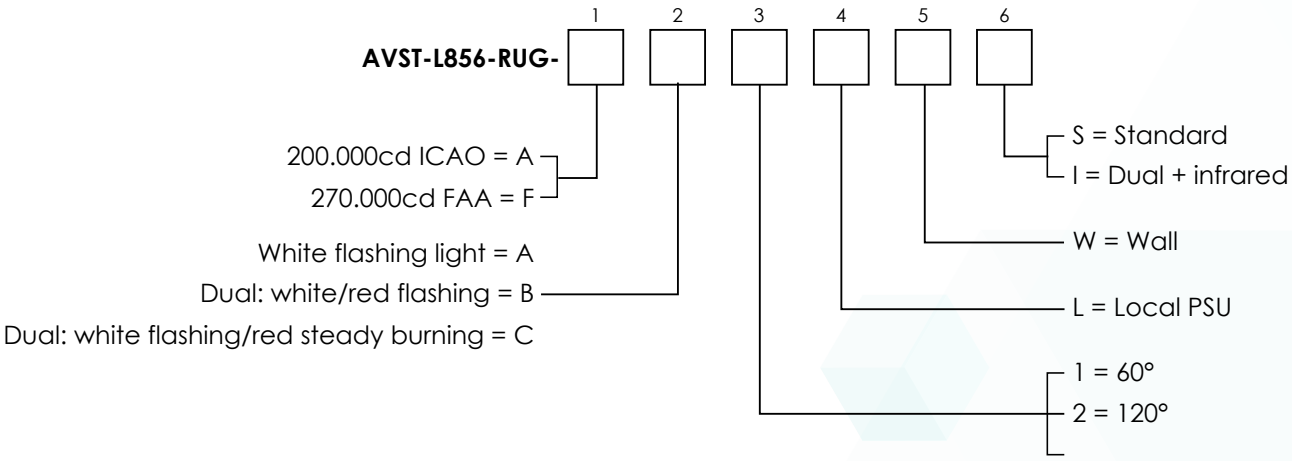
CERTIFICATIONS

- CE marking

COMPLIANCE

- ICAO Aerodromes - Annex 14 Vol. 1, Chap. 6: High intensity, Type-A flashing obstacle light HIOL-A/AB/AC Type
- FAA AC150/5345-43F E.B. #67 Lamp type L-856

ORDERCODE



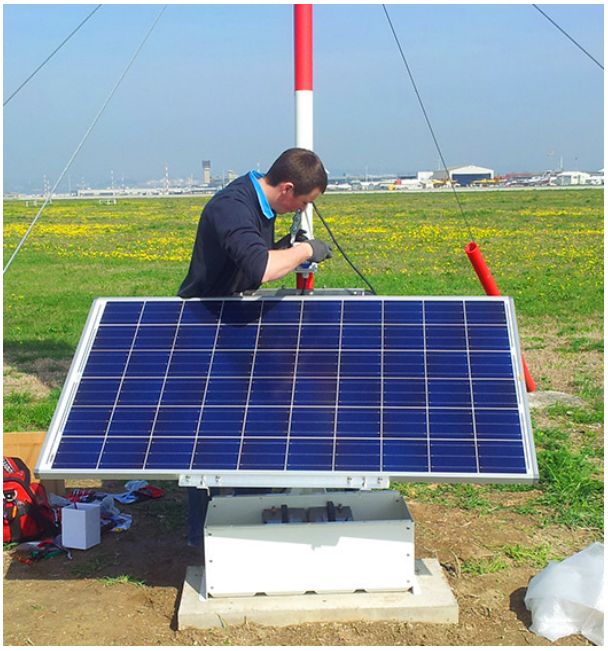
The integration of the LED technology within obstruction lights had the effect of lowering the electric consumptions. In order to answer the power supply issues that isolated sites were facing, DB & AirSea Technology started developing its own solar power supplies more than 10 years go, and now benefits from a real expertise in the matter.

We offer solar solutions adapted to Aircraft Warning Lights but also for every type of device working on isolated sites
(radio devices, lights, cameras, surveillance devices and all kinds of electric consumers…)

Our expertise primarily comes from a deep research on the functioning of the electric consumers and above all on the geographical location of the station. Our experience in Europe and abroad, with installations in every continent, allows us to guaranty a 100% rate of utilization of the gear, even in extreme and critical cases.

The electronics for the power, the control and the management of the solar system are developed within our engineering and research department which allows a total knowledge and understanding of the setup. That way we can merge that technology with others, like communication. Thus, the remote control represents a possible solution for the piloting of the installation and the dry contact information.

Also, we offer standard fixation kits (panels, batteries, management) for a very easy installation. According to your need we can develop specific systems as well.



Contact us for more information

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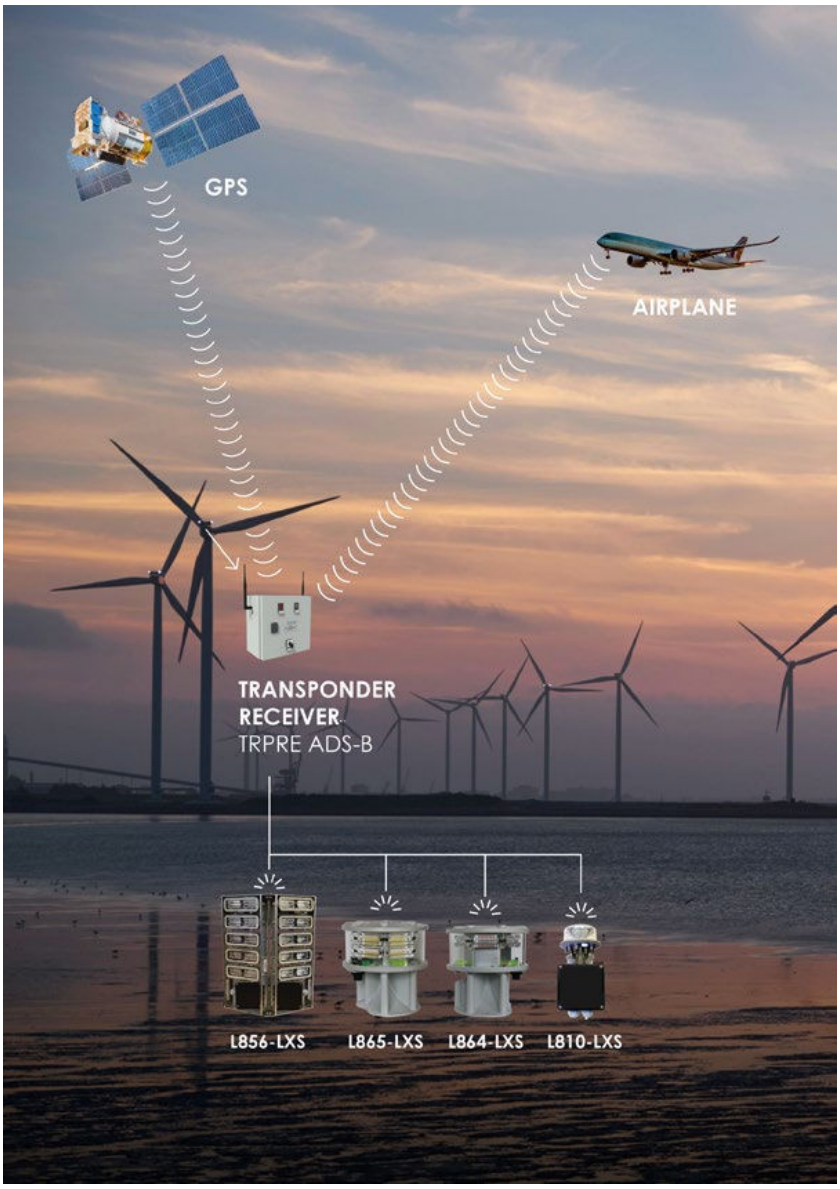
AirSea TRPRE-ADS-B
Transponder Receiver

The AST-ADS-B system is used to reduce the sky light pollution. It receives the ADS-B transponder signal generated by any aircraft (including the ICAO name, position in the sky, relevant velocity and direction).

When the aircraft approaches the ground or building where the device is installed, the AST-ADS-B unit calculates the distance between the two: if the distance is less than a prefixed value, the warning lights installed on top of vertical structures are switched on.

AirSea TRPRE-ADS-FEATURES

- IP 65 PROTECTION
- Themperature range -20°C / +55°C
- 110/230 V 50/60 Hz power supply
- 24 V DC power supply
- 8 dip switches for device setting
- CAN Bus Communication
- Distance setting: from 500 ft to 32.000 ft
- Aicraft type: from A1 to A7
- ADS-B transponder signal receiver and antenna
- GPS receiver and antenna



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For more information

Contact us for

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