ATILED®
Naval Lighting Division

MADE IN ITALY

EBLAN

Emergency portable LED **B**attle **LAN**tern

- White light begin automatically at electric power line blackout and last for more than 10 hours
- High efficiency rechargeable battery
- Wide beam white LED light
- Narrow beam white LED light
- Red LED light
- Green LED light
- Rotating optical head
- Floating IP67
- MIL-S 901D High Impact Shock Test Shipboard Equipment passed without resilient mounts

Video shock test

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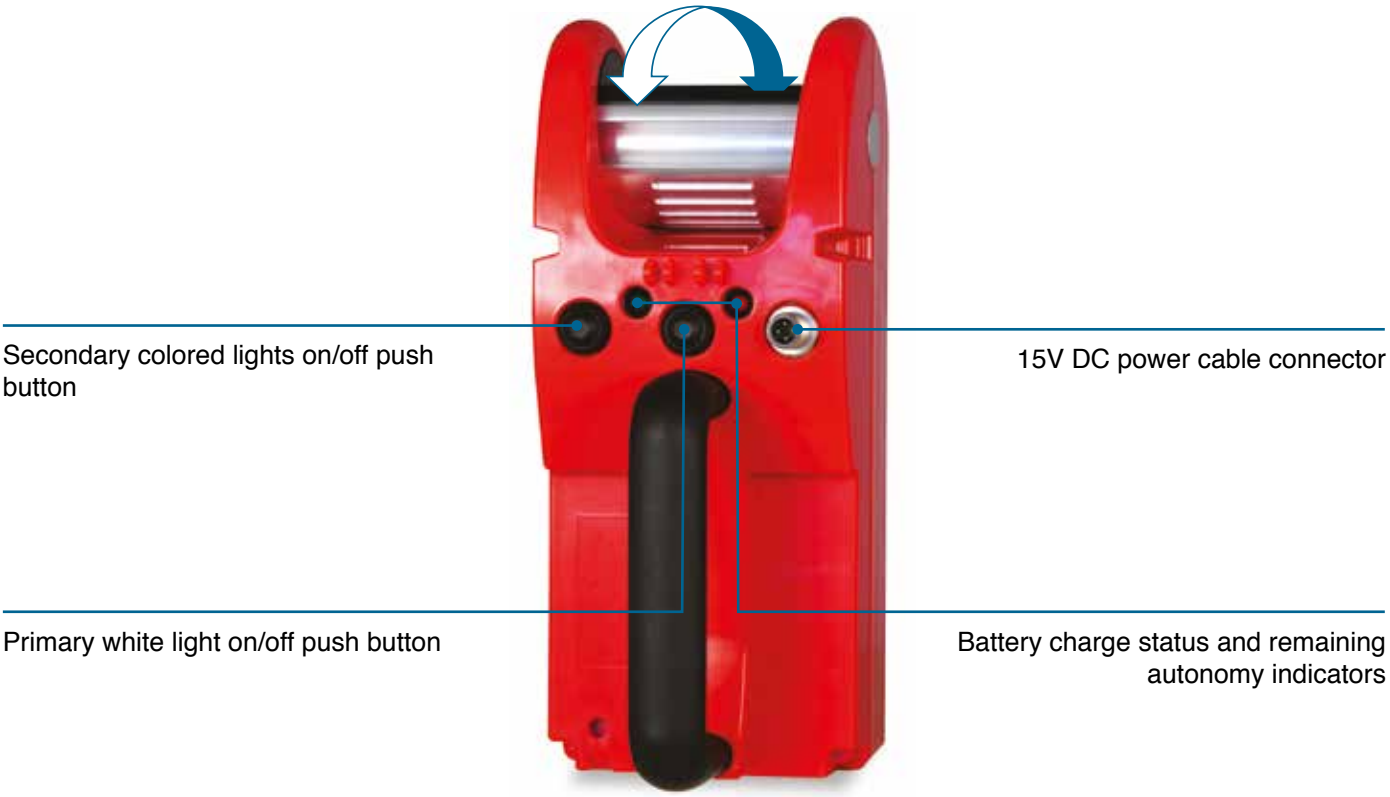
PASSED MIL-S 901D HIGH IMPACT SHOCK TEST SHIPBOARD EQUIPMENT WITHOUT RESILIENT MOUNTS

EBLAN

PORTABLE LANTERN - ITEM 6923-04-001

Primary white light managed with dedicated push button
One white LED light with 36° wide beam lens
One white LED light with 5° narrow beam lens

Colored secondary lights managed with dedicated push button
One red LED light
One green LED light



FUNCTIONAL CHARACTERISTICS

- White light begin instantaneously at electric power line blackout and shut off at power recovery.
- Housing of the floating lantern is made of halogen free reinforced polycarbonate, flame rating V-0 (UL 94 test). Color red RAL3001
- Rotating optical head for precise light beam direction, made of anodized aluminum with diffuser in extra-clear tempered glass thickness 4 mm.
- The two lenses that equip the optical head fulfill every lighting needs. The white light with a wide beam lens is for illuminating large spaces. Narrow beam light is very helpful to illuminate at long distance but also for inspections on board because it penetrates very narrow inner spaces like for instance between an electric board and the wall surface.
- The microprocessor electronic board is factory programmed and manage all lantern functions. Luminous flux levels, charging time, battery temperature are continuously monitored and actively controlled.
- On the lantern housing there are two push buttons: one for white lights low or high luminous flux, wide or narrow beams. One for colored red or green lights.
- On the lantern housing there are two dot led: green indicate battery charge status, red remaining autonomy.
- The high quality professional battery allows an average useful operating life that last for over 3 years. After this time the estimated remaining low power luminous flux duration shall be about 60% of the initial hours of illumination with new battery.
- The flexible cable terminated with a watertight fast connector assure a safe charging between the power supply and the battery inside the lantern.

TECHNICAL FEATURES	
Primary cool white LED light, color temperature	5700 K
Color Rendering Index CRI	70
High luminous flux	440 lumen
Low luminous flux	190 lumen
Autonomy at high luminous flux	4.5 hours
Autonomy at low luminous flux	10 hours
White primary light 36° lens	Wide luminous beam
White primary light 5° lens	Narrow luminous beam
Colored secondary LED light	Two indipendent lights red or green
System lifetime hours	L80 B10 100,000 hours at room temperature +35°C
Battery sealed pack whit active temperature monitoring and control	Nickel Metal Hydride
Battery charging time from low to max level	6 hours
Battery stand by duration without power connection	30 days
Low safe recharging power	15V DC
Insulation	Class 3
Protection	IP67 / NEMA Type 6
Operating ambient temperature	-20 / +55 °C (-4 / +131 °F)
Weight	1,25 Kg (2.76 lb)
Certification	CE

INTERNATIONAL STANDARDS TEST PERFORMED AND PASSED

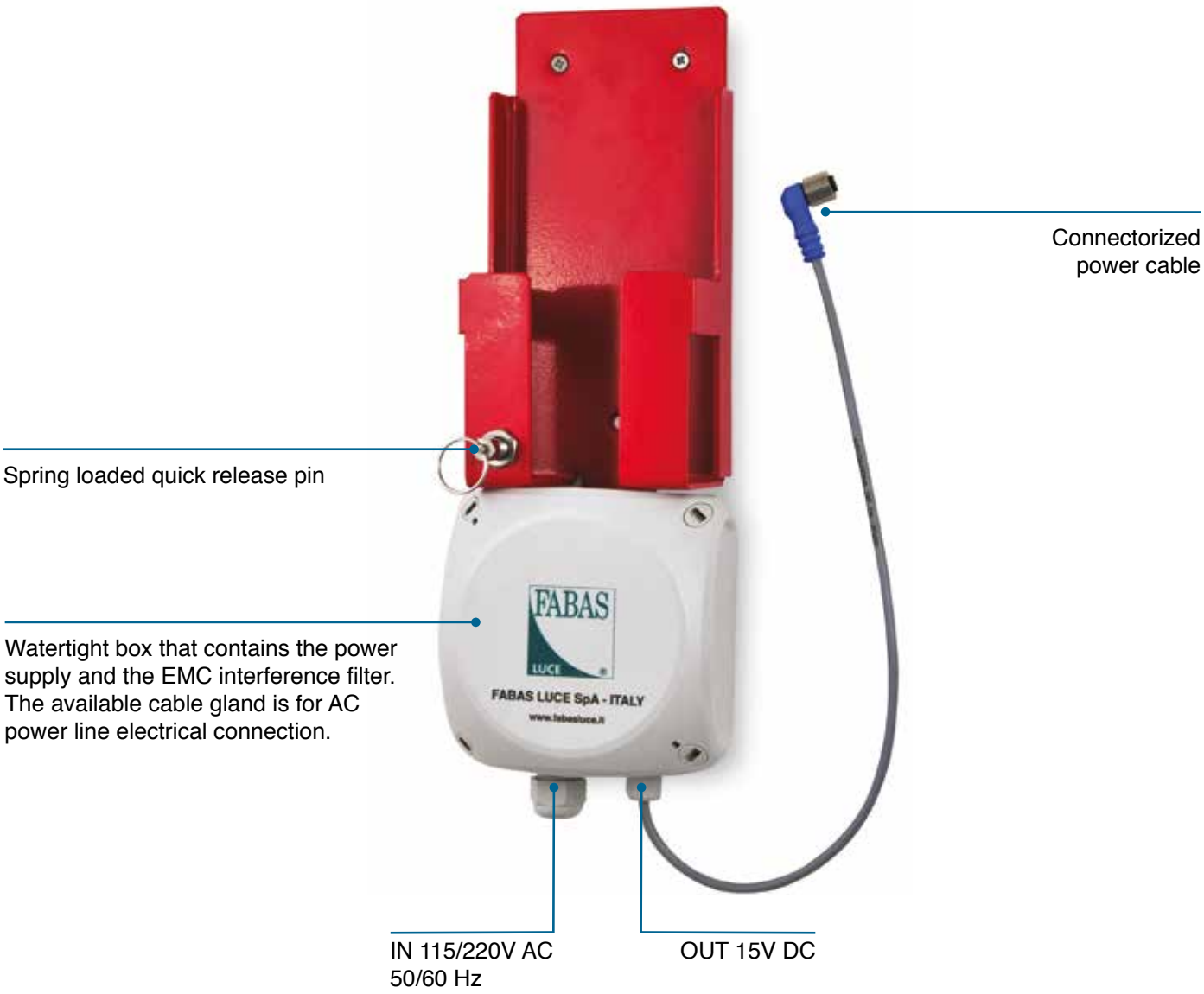
IEC 60092-306: 2009 publication Electrical installations in ship
Part 306: Equipment - Luminaires and lighting accessories

IEC 60533-2015 publication Electromagnetic compatibility (EMC) approved for “Bridge and deck zone”

EBLAN with no use of resilients mounts has executed and passed the MIL-S 901D: 1989 High Impact Shock Test Shipboard Equipment and is classified of Grade A Class I Type A

EBLAN

WALL MOUNTING BRACKET WITH ELECTRONIC POWER SUPPLY BOX - ITEM 6923-04-002



TECHNICAL FEATURES	
Power Supply	100 / 240 VAC 50 / 60 Hz
Consumption during battery charging	10 W
Consumption during battery maintenance (stand by)	1 W
Insulation	Class I
Operating ambient temperature	-20 / +55 °C (-4 / +131 °F)
IP rate	IP 66
Weight	1,5 KG (3.3 lb)
Certification	CE

EBLAN

NEW GENERATION PORTABLE LED LANTERN WITH RECHARGEABLE BATTERY

EBLAN

THE LED LANTERN TRULY FUTURE READY

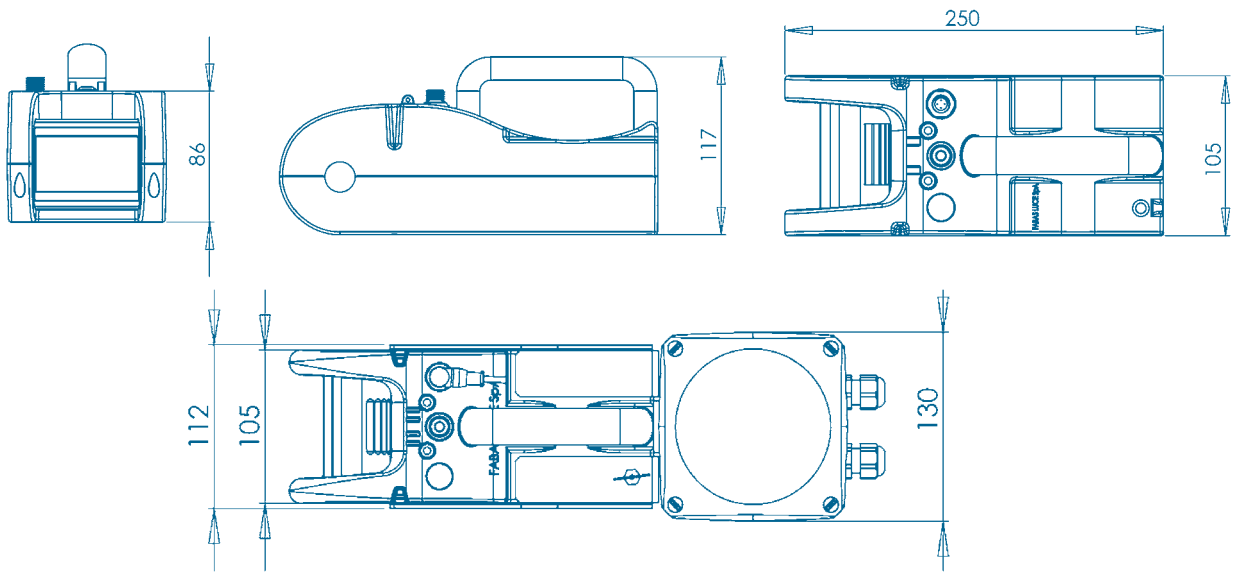
EBLAN is fully managed by programmable microprocessor electronic board, a very flexible and open solution that enables our lantern to wide future applications.

To satisfy new possible customer needs the electronic board is designed for the insertion of an additional interface card ready to run the necessary software upgrade.

Here some of the possible future applications that could be implemented.

- Lantern connection to the ship's data network. This may allow for instance to have in the ship's bridge a synoptic diagram of all the lanterns on board in order to detect the battery data, estimate the expected residual life capacity, and other useful informations.
- Among them it will be possible to implement a self-diagnosis functions and complete customization of the operating modes.
- If a dedicated software application detects that a lamp has been inactive for a prefixed time, a charge and discharge cycle will automatically be activated. This feature preserve the battery characteristics and assure a long term top performances.
- Also It will be possible to interface EBLAN lamps with the fire alarm or smoke detection system. With this connection in the event of an alarm the red or green or white light of the lanterns switches on automatically.
- In case of black out the automatic light up of the lantern can be programmed to make sure that, for example, the white or colored LED lights flash alternately to attract the attention of the crew in the rooms.

Dimensions mm



Atiled Naval is the Fabas Luce spa division that designs and manufactures in Italy the most complete and innovative range of LED light fixtures and flood lights specifically designed to illuminate the modern navy ships

TVE

PEX

GEX

TON

GALCOR

CATALOGO NAVALE

ATILED® Naval Lighting Division

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