

MADE IN ITALY



NAVY SHIPS LED LIGHT FIXTURES INNOVATIVE AND FUTURE PROOF



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Fabas Luce is solid and reliable family owned company with more than 35 years of experience.

We design and produce in Italy a full range of technologically advanced led lights and projectors, carefully built for naval use.

Our top quality led lights combine very high performances, compact dimensions, reduced weight and are extremely robust.

Our ultimate led technology are continuously updated to assure high luminous flux and low power consumption for effective energy saving.

The led light fixtures we produce according to the international standards take in great account the "human factor".

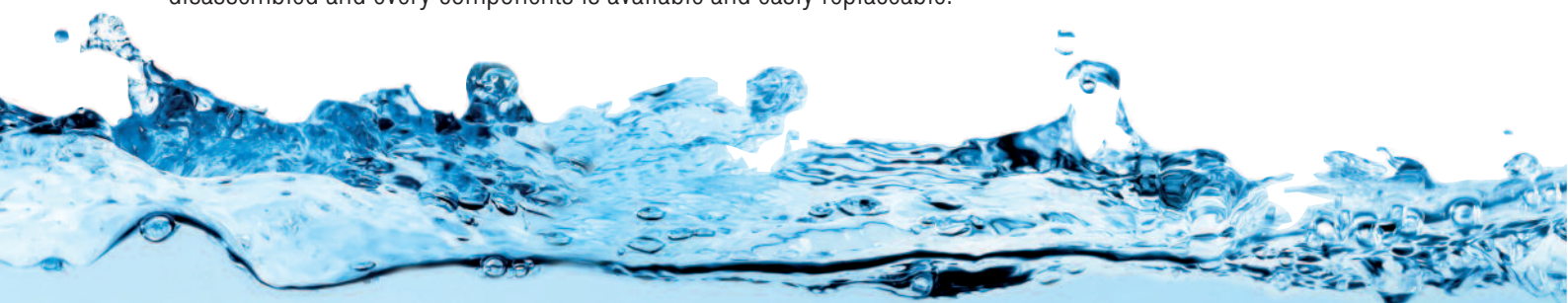
The correct light distribution is one of the safety factor for crew members that works and rests in artificial light illuminated ship. Acuity and comfort vision lower the fatigue and improve and faster the response on critic situations.

The wide range of our led fixtures are ready to equip or relamping your navy ship.

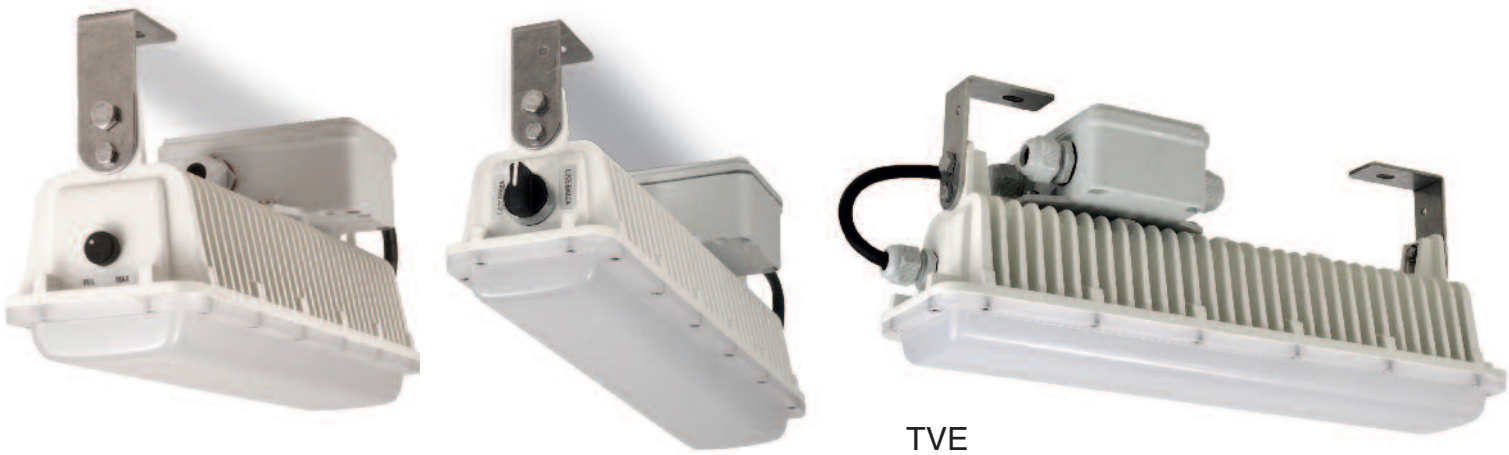
- multifunctional general purpose: TVE models that include TVE-NVG compatible led lights;
- flood lights models TOR, TON, white or colored led light
- weather deck fixture special design for stealth navy ship
- EX hazardous areas and explosive atmosphere models GEX and PEX that include PEX-NVG compatible led lights
- recessed led fixtures, reading and berth lights with integrated on/off touch dimmable control, table lights for living quarters, cabins, mess;
- hospital operating room model Keros led dark light IP65
- galley and cold room USPHS compliant, NBC decontamination station
- emergency battle lantern model LEM-PRO fully microprocessor driven, 2 led wide or narrow beam, high or low intensity light. In case of blackout that last for 10 hours. Rechargeable, portable and floating IP67.

Naval vessels service:

- Accurate lighting design and 3D simulation
- Lights controls and dimming solutions
- Custom fixtures design
- Lifecycle spare parts service, our fixtures are almost maintenance free but in case of need they can be quickly disassembled and every components is available and easily replaceable.

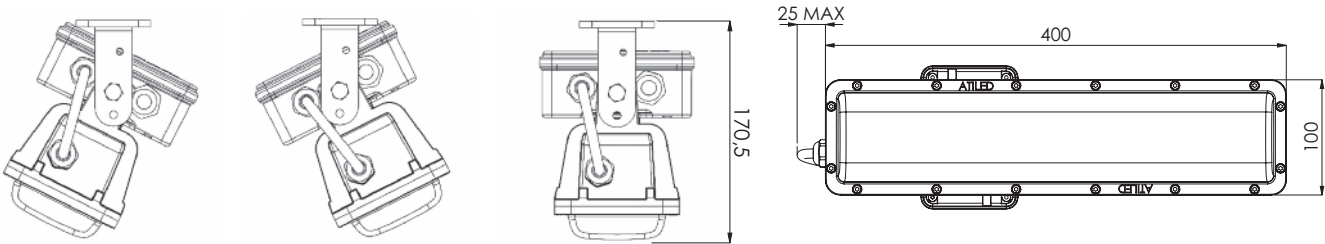


TVE multifunctional general purpose led light fixture is available in different models. Each configurations is designed to create many different kind of lights, ready for its specific type of controls needed on board of navy ships. TVE for weather deck is equipped with anti-condensation valve for air recirculation.

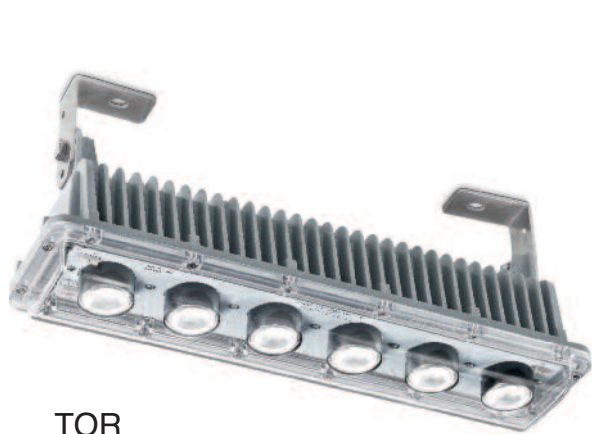


TVE

Fabas Luce model	technical features: IP66, temperature range -25°C / +55°C, weight 2,5 Kg Maintenance free: duration L70 B10 50.000 hours at ambient tempertaure +35°C
TVE	3400 lumen natural white 4000K or warm white 3000K, 22 W.
TVE-EM	white light and another indipendent white light in the same fixture, one power supply for each light.
TVE-DIM / DALI	dimmable with potentiometer mounted on the fxture / dimmable with DALI device for broadcast operations
TVE-CR / CRI	white light and red light in the same fixture, one power supply for each color, color selection: with remote switch or by rotative switch mounted on the fixture
TVE-R / B	one or two red or blu led light
TVE-SMG	designed for submarines with increased safe performance: two power supply for the same led board, half light beam in case of failure of one power supply. Power connection with MIL-STD connectors, easy and fast disassembly.
TVE-NVG	NVG compatible red led light, dimmable
TGL	5600 lumen natural white 4000K, 35 W general purpose
Orientable housing made of marine grade copper free amagnetic aluminium, stainless steel brackets. Available colors white RAL9010, grey RAL7040, blu RAL5011, others on request. Power supply inside the fixture body input 110 / 240 VAC 50 / 60 Hz (optional input 24 VDC) On request special TVE models MIL-STD compliant: EMI, shock, vibration, magnetic signature.	



LED FLOOD LIGHT, WEATHER DECK FIXTURE SPECIAL DESIGN FOR STEALTH NAVY SHIP



TOR



GEST
led weatherdeck fixture
special design for stealth navy ship

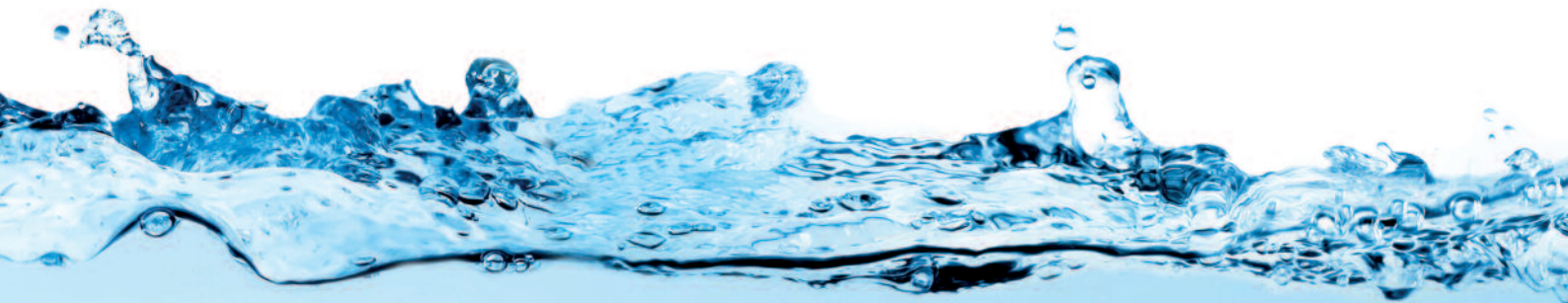


TON

Fabas Luce model	led flood lights technical features: IP66, narrow or wide beam, temperature range -25°C / +55°C
TOR	6500 lumen natural white 4000K, 50W
TON 105	13.800 lumen natural white 4000K, 105W
TON 160	19.400 lumen natural white 4000K, 160W
PRED / PBLU	led projector red or blu light, 100W
Orientable housing made of marine grade copper free aluminium, stainless steel brackets. Available colors white RAL9010, grey RAL7040, others on request.	



Italian Navy training sailing ship Amerigo Vespucci in Venice.
The italian flag with our led color light projectors



HAZARDOUS AREAS AND EXPLOSIVE ATMOSPHERE



Installation: hazardous areas -Zone 1 / 2 (Gases) – Zone 21 / 22 (Dusts)

Classification: Group II – Category 2G / 2D



GEX

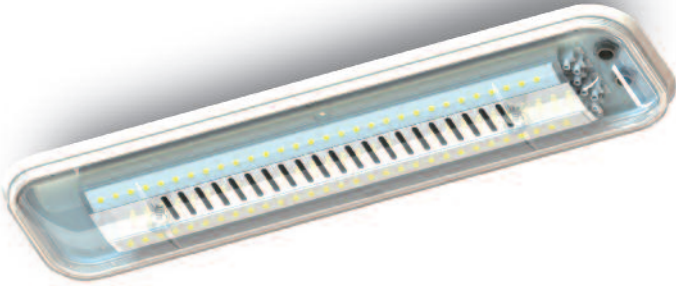


PEX

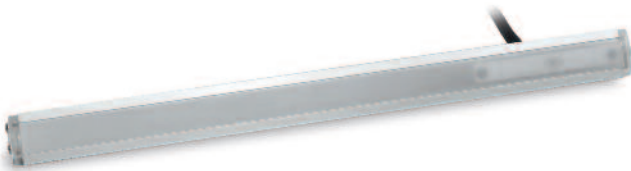
Fabas Luce model	EX hazardous area explosion proof led fixtures technical features: IP66, temperature range -25°C / +55°C	
PEX	3000 lumen natural white 4000K, 23 W	Execution: II 2 G Ex d IIB+H2 T5 Gb II 2 D Ex tb IIIC T100°C Db
PEX-EM	white light and another independent white light in the same fixture, one power supply for each light.	
PEX-CR	white light and red light in the same fixture, one power supply for each color, color selection with remote switch.	
PEX-R / DIM	only red light, dimmable with potentiometer placed outside EX area	
PEX-NVG	NVG compatible red led light, dimmable	
GEX	5600 lumen natural white 4000K, 35 W. Execution: II 2 G Ex d IIC T6 Gb II 2 D Ex tb IIIC T85°C Db	
Housing made of marine grade copper free aluminium. Available colors white RAL9010, grey RAL7040, others on request.		



LIVING AREAS



High efficiency led inox USPHS compliant for galley, cold room and NBC decontamination station



Berth led light dimmable touch



PSAR2 IP44: cabins, offices, wardroom, messroom



LEM-PRO fully microprocessor driven battle lantern.
Two power leds one for wide, one for narrow beam.
Emergency light in case of blackout that last for 10 hours.
Adjustable high or low light intensity.
Rechargeable, portable and floating IP67



Keros led dark light IP65 for hospital operating room





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FABAS LUCE S.p.A.

Via Luigi Talamoni, 75
20861 BRUGHERIO (MB) Italy
Tel. 0039 039 214 22 06
0039 039 89 06 91
Fax 0039 039 214 22 08
www.fabasluce.it
info@fabasluce.it

FABAS LUCE GmbH

ATILED SHOWROOM
Franz Volk Strasse 5a
D - 77652 Offenburg
Tel. +49(0) 781 125 59 932
www.atiled.it
atiled.germany@fabasluce.com

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