

MADE IN ITALY



# NAVY SHIPS LED LIGHT FIXTURES INNOVATIVE AND FUTURE PROOF



[naval.atiled.it](http://naval.atiled.it)





**W**e are delighted and proud to present to the market the first Atiled Naval division catalogue. Thanks to Fabas Luce this youngest division has very solid technical base and you can count on its LED lighting solutions.

Our fixtures for navy and cruise ships are really “LED native”, new and original. LED board and fixture housing born together to assure top performances and huge life. With this innovative design approach we are capable to produce the most powerful, compact and low weight LED fixtures on the market.

Discover in the next pages our light fixtures indoor and open deck complete range, ready to carefully illuminate every spaces on board. You can rely on them and on Fabas Luce as trustable partner.

We hope that all the different models fulfil your requirements, but if you don't find what you are looking for we are open to evaluate your specific needs and realize custom LED light fixture solution.

# FABAS LUCE S.p.A.

## Our history

FABAS LUCE deals with the creation, production and distribution of lighting fixtures since 1979, founded by Mr. Azelio Giberti, and has its headquarters in Brugherio, located in the north-east of Milan.

It's a company in constant growth thanks to the continuous and fruitful development of new models that are created every year by a team of Italian designers and that is accompanied by the ability to satisfy our customers with fast deliveries thanks to our logistics warehouse that counts over 9000 pallets places.

This enviable wealth of experience allows us today to be present in all European countries, in the Middle East, Africa and Asia with the collaboration of the distribution companies in our sector.



## The milestones of our history:

### 1979

Fabas Luce's start up:  
the first factory has an  
area of 2.000 sqm  
The core business  
was, at that time,  
focused in the  
decorative lighting.

### 1998

We move to a  
new headquarters  
in Brugherio in a  
production facility of  
about 4,000 sqm and  
at the same time the  
father transfers the  
ownership to his sons.

### 2006

We open our daughter  
company FABAS LUCE  
GMBH in Arnsberg,  
Germany (50 km east  
of Dortmund)

### 2008

We build the new  
headquarters of  
9.000 sqm always  
in Brugherio facing  
the A4 motorway, in  
a structure of over  
9,000 square meters,  
built, designed and  
tailored according to  
our production, logistic  
and commercial needs





# 2008



## 2010

We create a new division called ATILED for LED Technical lighting

## 2015

We open a second branch in Offenburg, Germany for Atiled division

## 2017

We create a new Atiled Naval division to design and produce specific LED light fixtures for navy and cruise ships

## 2018

Smartluce comes: the vocal assistant for lighting control system

## Vision

A story which started 40 years ago.

A story that spans generations.

A story rich in tradition and passion for the job, which starts early in the morning and ends late at night.

A story made of creative flair and innovation.

Fabas is a company that wants to confirm his role as a reference company in the lighting business.

## Mission

Our clients, our main priority.

Before and after sale, Fabas Luce client never feels alone. He is always accompanied by proposals, solutions and courtesy.

Our main goal is to focus on product quality and customer service, even in after sale, and this is one of the reasons of FABAS LUCE steady growth over the last years. This was and it continues to be possible thanks to highly professional staff who responds quickly and courteously to the most varied demands of our many customers.



## The Present

During the years, Stefano and Donatella Giberti with Fabio Castelli have changed the face of the company. The result is a continuous expansion in the national and international lighting market.

A large factory, fully automated in almost all the production with a cutting-edge logistic system and with a particular sensibility to energy saving and environmental protection topics.

The increased productivity has not however affected the deep ethical sens desired by the owners and the goal of Fabas Luce Spa it is still the same: to continue being successful with its products, in Italy and in the world, respecting people and rules.



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VERY COMPACT, VERSATILE  
AND POWERFUL LED LIGHT  
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**TVE**  
SPECIAL CUSTOM  
VERSIONS

MANY DIFFERENT FUNCTIONS,  
CONTROLS, CONNECTION  
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POWERFUL LED LIGHT  
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COMPACT EX HAZARDOUS  
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**PEX**  
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**PEX EXIT**

HIGH VISIBILITY GREEN EXIT  
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EX HAZARDOUS AREA  
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**GEX**

POWERFUL AND COMPACT EX  
HAZARDOUS AREA  
EXPLOSION PROOF LED LIGHT  
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**GLO**

LED GLOBE WHITE NATURAL  
LIGHT OR COLORED LIGHT

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**TON 160**

HIGH EFFICIENCY LED  
FLOODLIGHT



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HIGH EFFICIENCY LED  
FLOODLIGHT  
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HIGH EFFICIENCY LED  
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EMERGENCY LED  
BATTLE LANTERN FULLY  
MICROPROCESSOR DRIVEN  
PORTABLE AND FLOATING  
IP67 WITH RECHARGEABLE  
BATTERY

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Perfect solution for many different indoor and weather decks illumination needs.



White Ral 9010

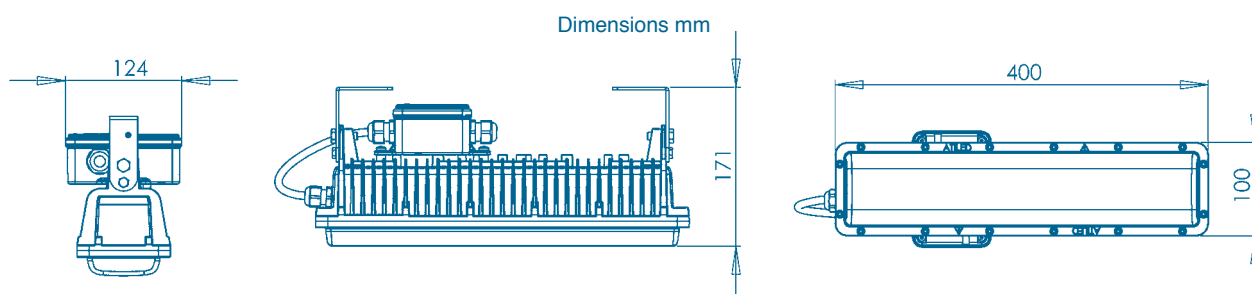
Grey Ral 7040



Blue Ral 5011



<b>Optic diffused beam</b>	180°
<b>Diffuser anti glare opal polycarbonate</b>	Flame rating V-0 (UL 94 test), UV resistant
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture.
<b>Wiring</b>	Line in and line out with junction box on the fixture back side
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP Rate</b>	IP66
<b>Housing</b>	Made of marine grade copper free aluminum, inox bolts
<b>Fixing</b>	Stainless steel brackets AISI 316L
<b>Net Weight</b>	2,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours at ambient temperature +35°C
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>Peculiar features</b>	TVE for outside deck is equipped with anti-condensation valve for air recirculation



## TVE

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
TVE-WW	6868-52-001	3000 K	3000	22	White Ral 9010	100/240 VAC	-25° / +55°	Dimmer on the fixture  DALI remote control DALI remote control
TVE-NW	6868-54-001	4000 K	3400	22	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-NW	6868-84-001	4000 K	3400	22	Blue Ral 5011	100/240 VAC	-25° / +55°	
TVE-NW	6868-94-001	4000 K	3400	22	Grey Ral 7040	100/240 VAC	-25° / +55°	
TVE-DIM	6868-54-002	4000 K	3400	22	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-WW DALI	6868-52-010	3000 K	3000	22	White Ral 9010	220/240 VAC	-25° / +45°	
TVE-NW DALI	6868-54-010	4000 K	3400	22	White Ral 9010	220/240 VAC	-25° / +45°	
TVE-R	6868-54-017	Red		7	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-B	6868-54-006	Blue		5	White Ral 9010	100/240 VAC	-25° / +55°	



# TVE DOUBLE LIGHT

TWO INDEPENDENT LED LIGHTS IN THE SAME FIXTURE



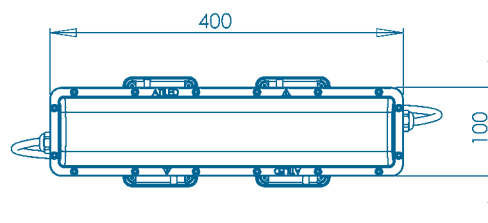
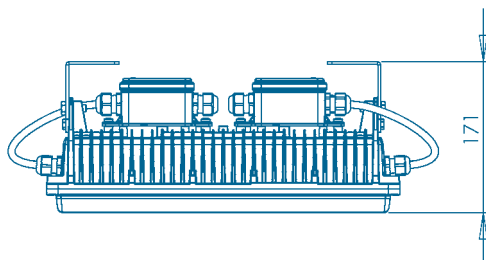
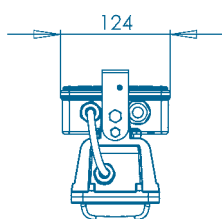
On request white and white, white and red, white and blue.



Optic diffused beam	180°
Diffuser anti glare opal polycarbonate	Flame rating V-0 (UL 94 test), UV resistant
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Line in and line out with 2 junction boxes on the fixture back side
Power factor	>0,9
Insulation	Class 1
IP Rate	IP66
Housing	Made of marine grade copper free aluminum, inox bolts
Fixing	Stainless steel brackets AISI 316L
Net Weight	2,5 Kg
System lifetime hours	L70 B10 50.000 hours at ambient temperature +35°C
International Standards, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
Peculiar features	TVE for outside deck is equipped with anti-condensation valve for air recirculation



Dimensions mm



## TVE DOUBLE LIGHTS

Model	Item	Primary light			Secondary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt	Color temp.	Lumen	Watt				
TVE-CR	6868-54-003	4000 K	3400	22	Red		5	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-RR	6868-54-005	Red		7	Red		5	White Ral 9010	220/240 VAC	-25° / +55°	
TVE-EM	6868-54-007	4000 K	3400	22	4000 K	550	9	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-EM	6868-94-007	4000 K	3400	22	4000 K	550	9	Grey Ral 7040	100/240 VAC	-25° / +55°	
TVE-CB	6868-52-012	3000 K	3000	22	Blue		5	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-CB	6868-54-012	4000 K	3400	22	Blue		5	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-CR	6868-84-003	4000 K	3400	22	Red		5	Blue Ral 5011	100/240 VAC	-25° / +55°	
TVE-CR	6868-94-003	4000 K	3400	22	Red		5	Grey Ral 7040	100/240 VAC	-25° / +55°	





# TVE SELECTABLE DOUBLE LIGHTS

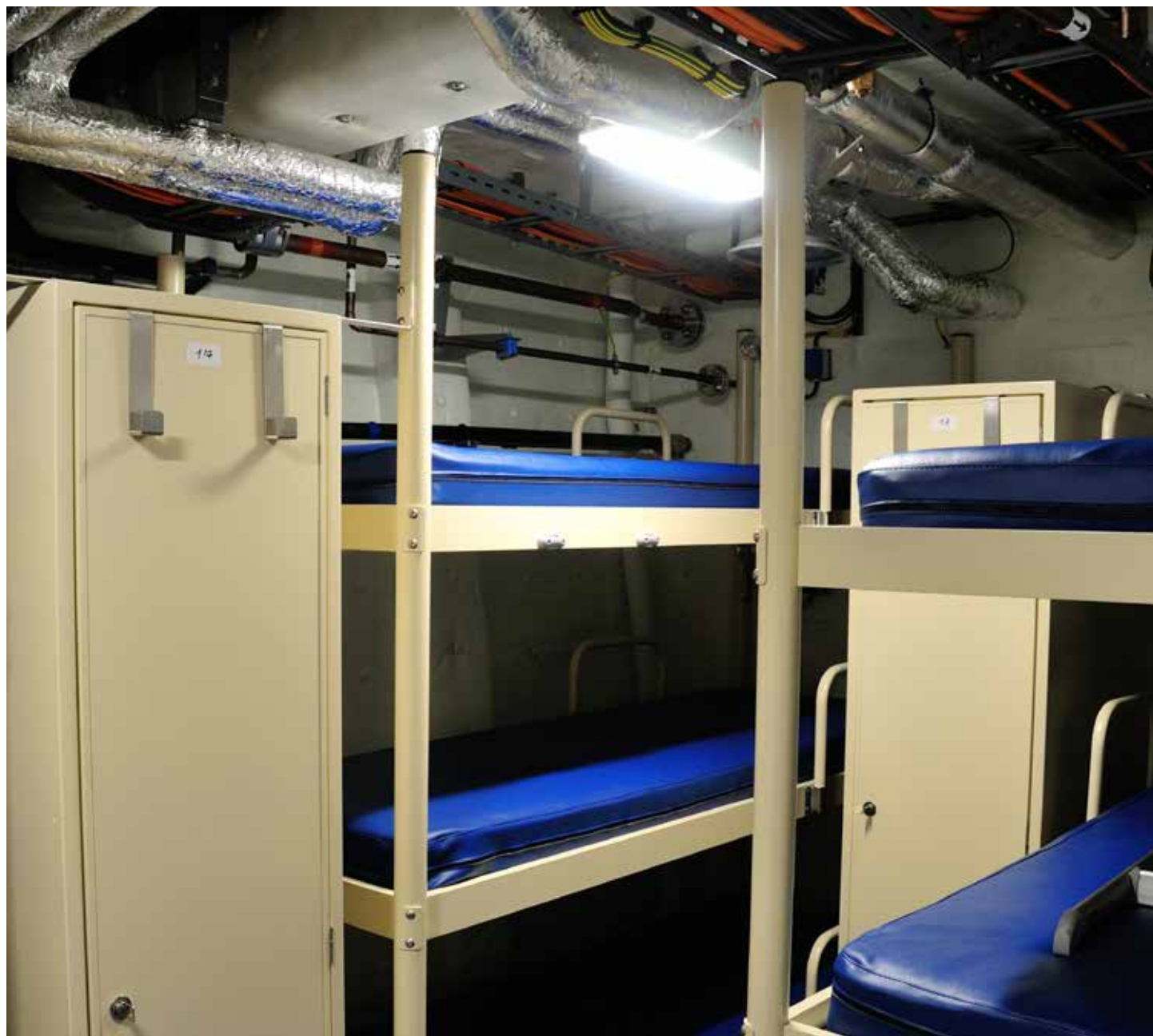
TWO INDEPENDENT LED LIGHTS IN THE SAME FIXTURE



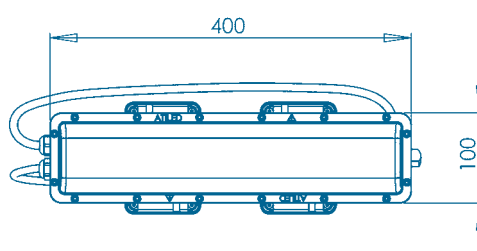
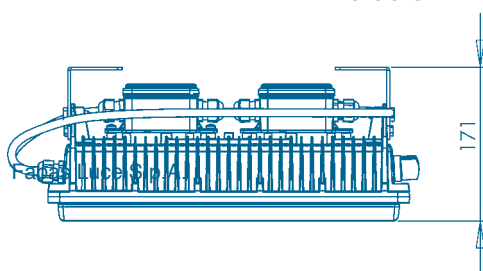
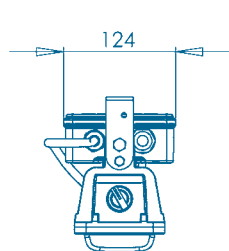
Switch on the fixture for color light selection.



<b>Optic diffused beam</b>	180°
<b>Diffuser anti glare opal polycarbonate</b>	Flame rating V-0 (UL 94 test), UV resistant
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture.
<b>Wiring</b>	Line in and line out with 2 junction boxes on the fixture back side
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP Rate</b>	IP66
<b>Housing</b>	Made of marine grade copper free aluminum, inox bolts
<b>Fixing</b>	Stainless steel brackets AISI 316L
<b>Net Weight</b>	2,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours at ambient temperature +35°C
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>Peculiar features</b>	TVE for outside deck is equipped with anti-condensation valve for air recirculation



Dimensions mm



## TVE SELECTABLE DOUBLE LIGHTS

Model	Item	Primary light			Secondary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt	Color temp.	Lumen	Watt				
TVE-CRI	6868-54-004	4000 K	3400	22	Red		5	White Ral 9010	100/240 VAC	-25° / +55°	With selector
TVE-CRI	6868-84-004	4000 K	3400	22	Red		5	Blue Ral 5011	100/240 VAC	-25° / +55°	With selector



# TVE EXIT

HIGH VISIBILITY GREEN EXIT SIGN

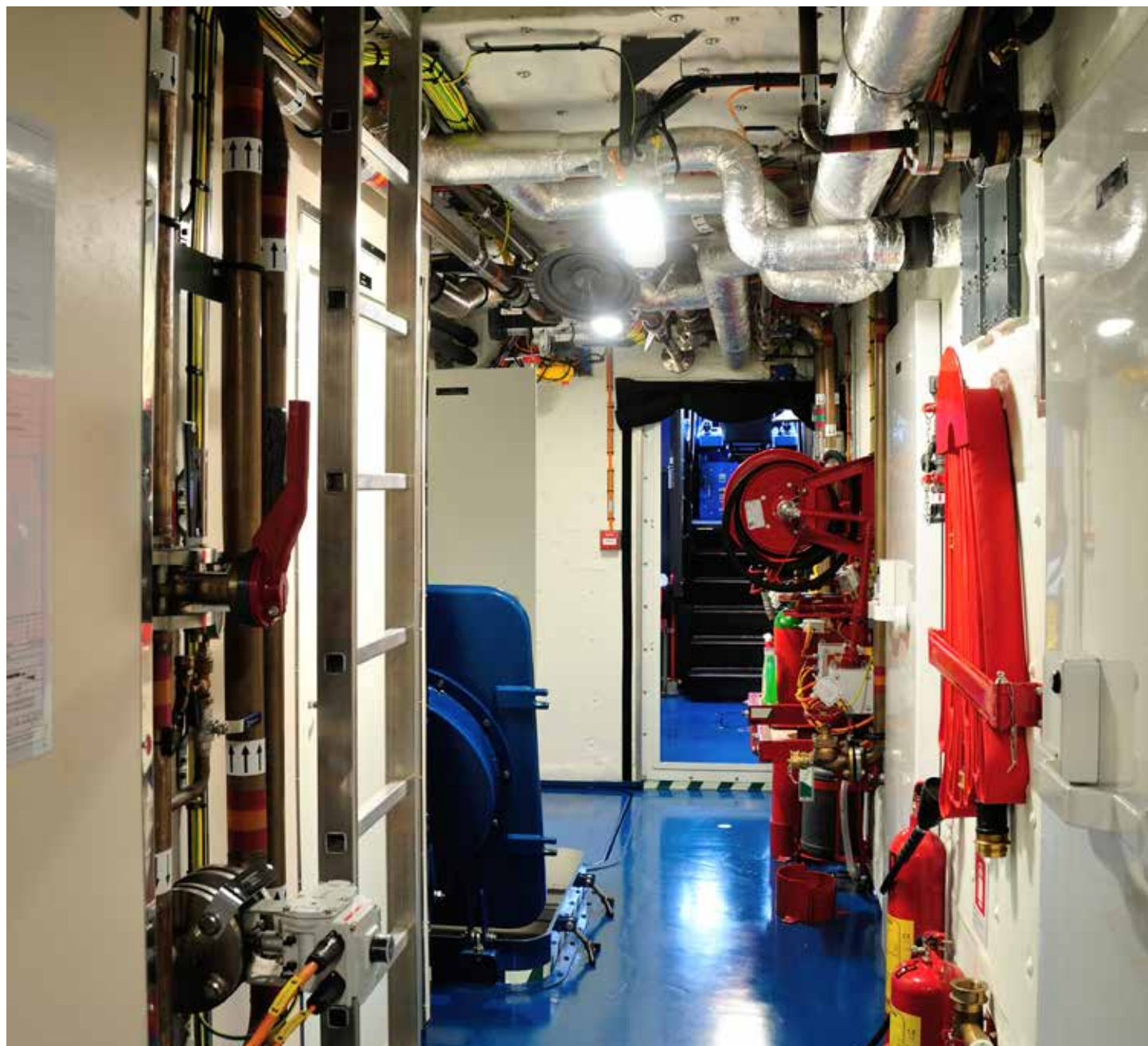


LED light fixture for emergency exit

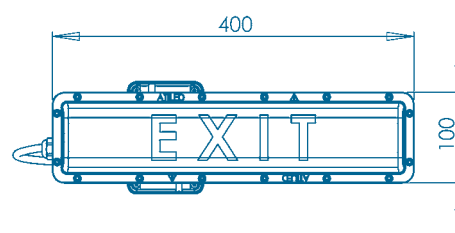
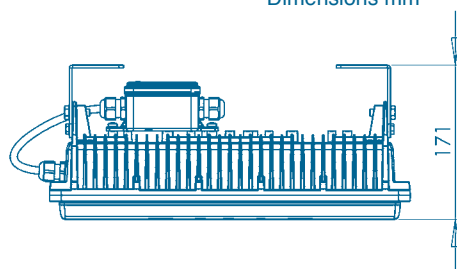
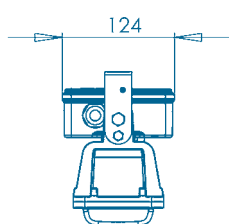


Optic diffused beam	180°
Diffuser anti glare opal polycarbonate	Flame rating V-0 (UL 94 test), UV resistant
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Line in and line out with junction box on the fixture back side
Power factor	>0,9
Insulation	Class 1
Protection	IP66
Housing	Made of marine grade copper free aluminum, inox bolts
Fixing	Stainless steel brackets AISI 316L
Net Weight	2,5 Kg
System lifetime hours	L70 B10 50.000 hours at ambient temperature +35°C
International Standards, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
Peculiar features	TVE for outside deck is equipped with anti-condensation valve for air recirculation





Dimensions mm



## TVE EXIT

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
TVE-Exit	6868-54-026	4000 K	3400	22	White Ral 9010	100/240 VAC	-25° / +55°	FOR EMERGENCY EXIT
TVE-Exit	6868-84-002	4000 K	3400	22	Blue Ral 5011	100/240 VAC	-25° / +55°	FOR EMERGENCY EXIT
TVE-Exit	6868-94-002	4000 K	3400	22	Grey Ral 7040	100/240 VAC	-25° / +55°	FOR EMERGENCY EXIT



# TVE SPECIAL CUSTOM VERSION

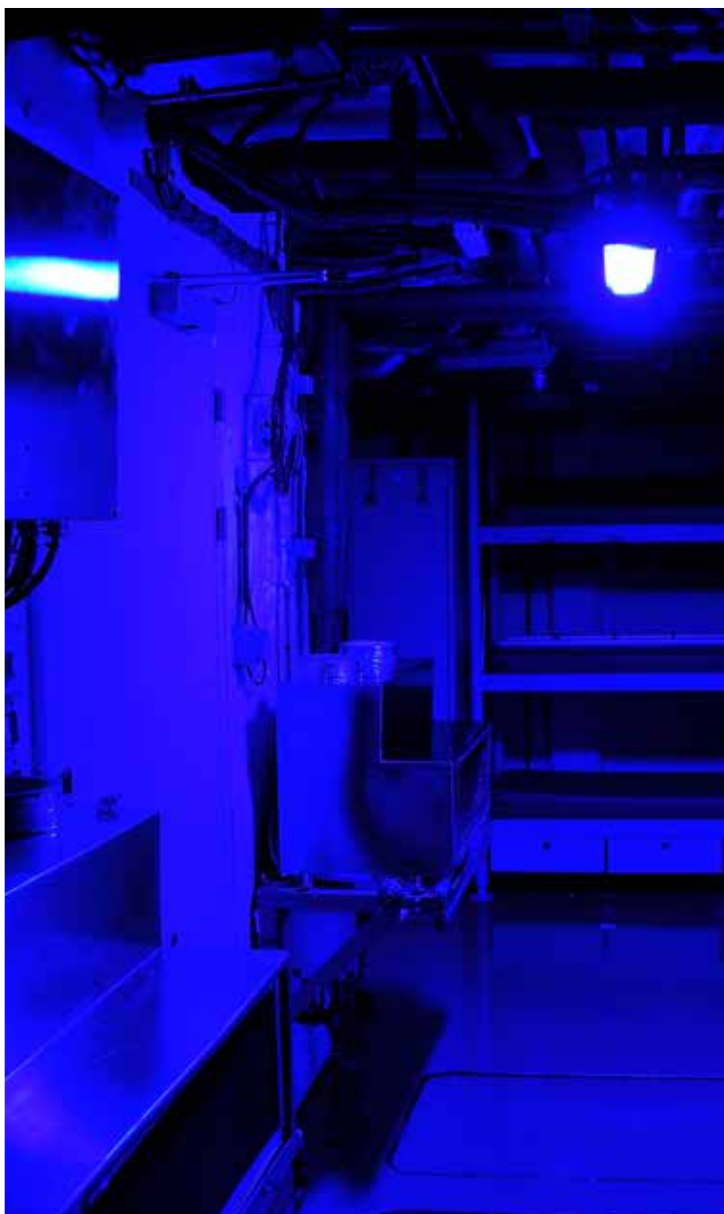
MANY DIFFERENT FUNCTIONS, CONTROLS, CONNECTION COMBINATIONS  
IN THIS VERSATILE AND POWERFUL LED LIGHT FIXTURE

Perfect solution for demanding illumination needs

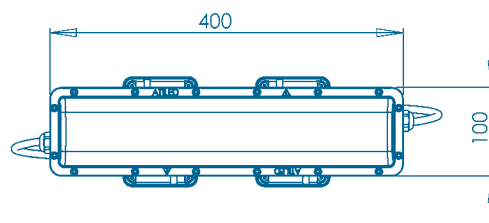
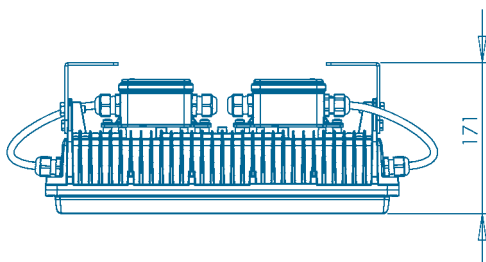
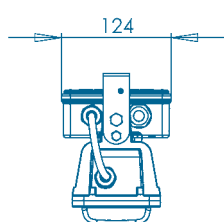


<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	Opal polycarbonate
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture.
<b>Wiring</b>	Line in and line out with two junction boxes on the fixture back side
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP Rate</b>	IP66
<b>Housing</b>	Orientable made of marine grade copper free aluminum, inox bolts
<b>Fixing</b>	Stainless steel brackets AISI 316
<b>Net Weight</b>	2,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours at ambient temperature +35°C
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>Peculiar features</b>	TVE for outside deck is equipped with anti-condensation valve for air recirculation





Dimensions mm



## TVE SPECIAL CUSTOM VERSION

Model	Item	Primary light			Secondary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt	Color temp.	Lumen	Watt				
TVE-EM	6868-54-007	4000 K	3400	22	4000 K	550	9	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-EM DALI	6868-54-013	4000 K	3400	22	4000 K	550	9	White Ral 9010	220/240 VAC	-25° / +45°	DALI primary light
TVE-CB 2DALI	6868-54-014	4000 K	3400	22	Red		5	White Ral 9010	220/240 VAC	-25° / +45°	DALI primary/secodary Lights
TVE-CR DALI	6868-54-018	4000 K	3400	22	Blue		5	White Ral 9010	220/240 VAC	-25° / +45°	DALI secondary light
TVE-CR 2DALI	6868-54-020	4000 K	3400	22	Blue		5	White Ral 9010	220/240 VAC	-25° / +45°	DALI primary/secodary Lights
TVE-SMG	6868-54-023	4000 K	3400	22				White Ral 9010	100/240 VAC	-25° / +55°	MIL connector
TVE-DCRI3	6868-54-025	4000 K	3400	22	Red		5	White Ral 9010	100/240 VAC	-25° / +55°	Selector for white / red light colors. Dimmer for white light color

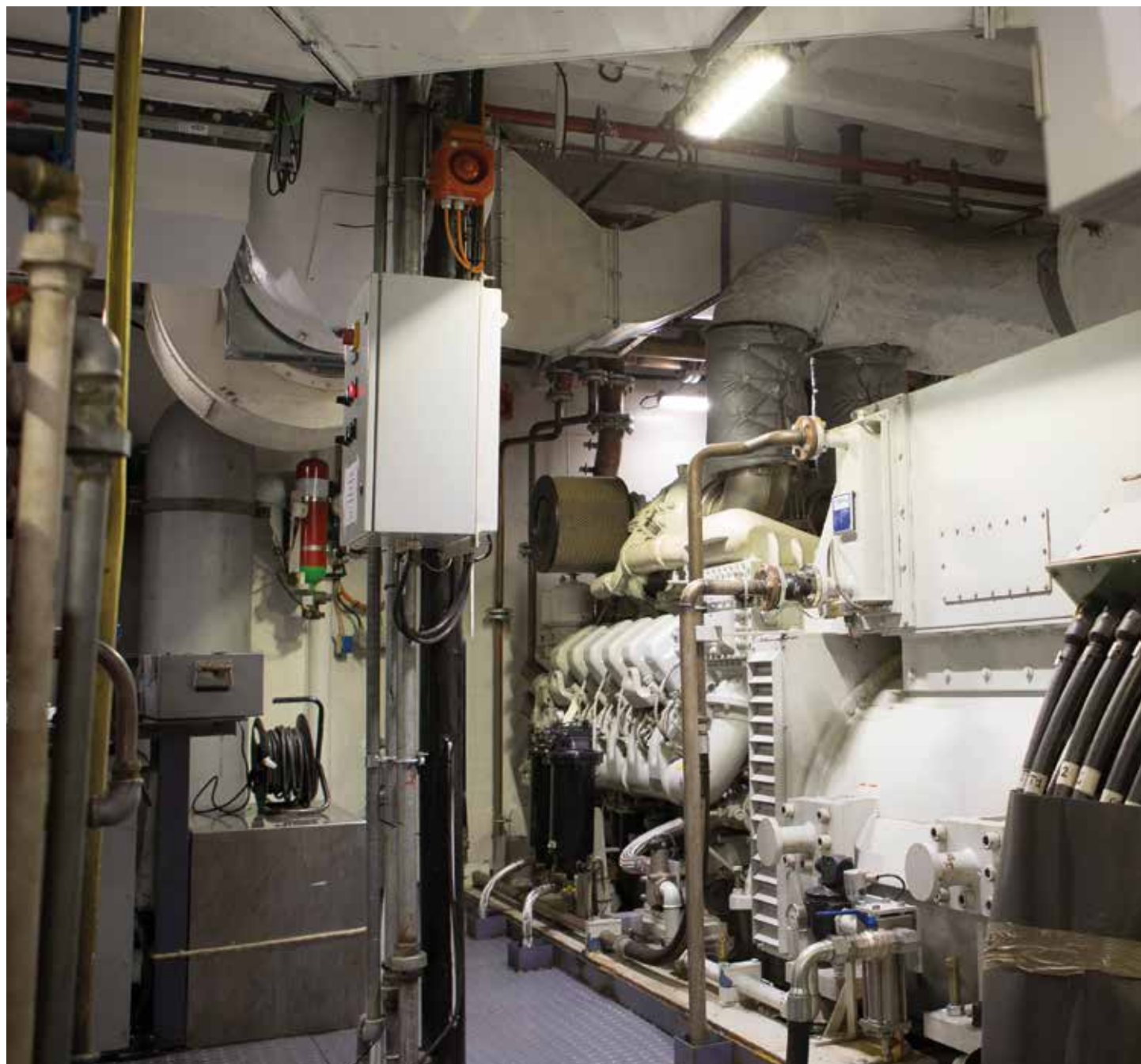




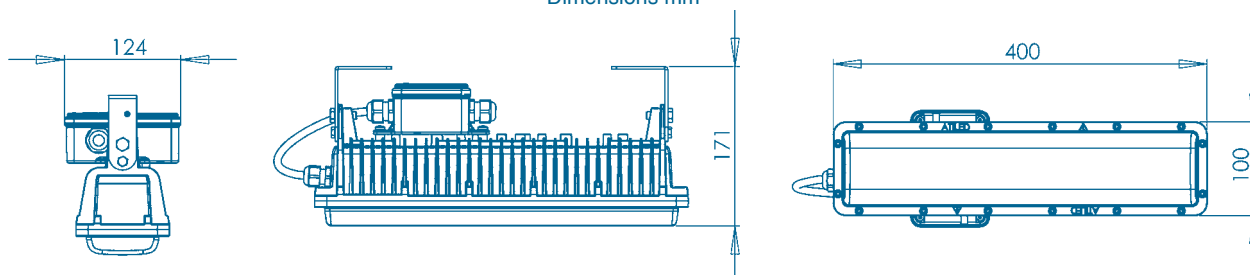
Suitable for high ceiling spaces, engine rooms



<b>Diffuser</b>	Opal polycarbonate
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture
<b>Wiring</b>	Line in and line out junction box in the fixture back side
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Housing</b>	Orientable made of marine grade copper free aluminum, inox bolts
<b>Fixing</b>	Stainless steel brackets AISI 316
<b>Net Weight</b>	2,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours at ambient temperature +35°C
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>Peculiar features</b>	TGL for outside deck is equipped with anti-condensation valve for air recirculation



Dimensions mm



## TGL

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
TGL	6869-54-001	4000 K	5.600	35	White Ral 9010	100/240 VAC	-25° / +55°	semicutoff shield to stop direct uplight
TGL-D	6869-94-002	4000 K	5.600	35	Grey Ral 7040	100/240 VAC	-25° / +55°	







EX hazardous area explosion proof LED fixture

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

*Classification:* Group II – Category 2G / 2D

*Execution:*

II 2 G Ex d IIB+H2 T5 Gb

II 2 D Ex tb II

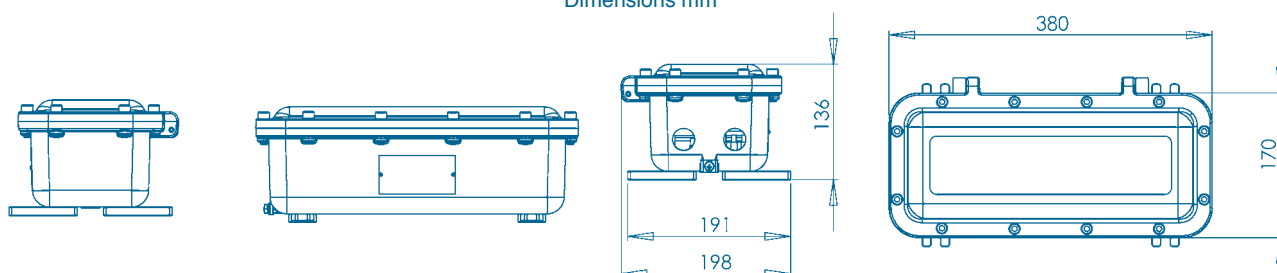
On request di



Optic diffused beam	180°
Diffuser	High thickness borosilicate glass
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Two cable glands for line in and line out connections
Power factor	>0,9
Insulation	Class 1
IP Rate	IP66
Housing	Made of marine grade copper free aluminum, inox bolts
Fixing	Aluminum brackets
Net Weight	8 Kg
System lifetime hours	L70 B10 50.000 hours at ambient temperature +35°C
International Standards, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
EX certificate	CE INERIS 15 ATEX 0024X



Dimensions mm



## PEX

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
PEX	6807-54-001	4000 K	3000	23	White Ral 9010	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)
PEX	6807-94-001	4000 K	3000	23	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)

(1) Not included two brass nickel plated cable glands to be ordered separately according to the type of the power electric cable (normal, armoured, etc)  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Refer to ACCESSORIES at page 55





# PEX DOUBLE LIGHTS

TWO INDEPENDENT LED LIGHTS IN THE SAME COMPACT  
EX HAZARDOUS AREA EXPLOSION PROOF LED LIGHT FIXTURES IP66



EX hazardous area explosion proof LED fixture

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

*Classification:* Group II – Category 2G / 2D

*Execution:*

II 2 G Ex d IIB+H2 T5 Gb

II 2 D Ex tb IIIC T100°C Db

On request different input voltages and other housing colors, Dimmer control box to be placed in safe area outside EX hazardous area.

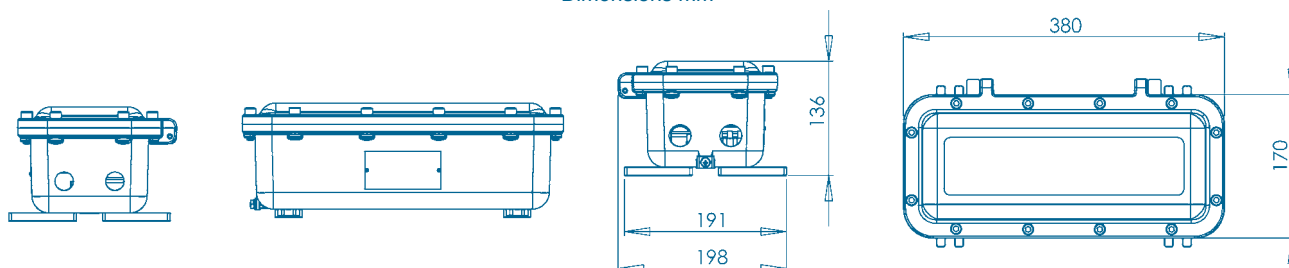
Other LED light colors available on request



Optic diffused beam	180°
Diffuser	high thickness borosilicate glass
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Four cable glands for line in and line out connections
Power factor	>0,9
Insulation	Class 1
IP Rate	IP66
Housing	Made of marine grade copper free aluminum, inox bolts
Fixing	Aluminum brackets
Net Weight	8 Kg
System lifetime hours	L70 B10 50.000 hours at ambient temperature +35°C
International Standards, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
EX certificate	CE INERIS 15 ATEX 0024X



Dimensions mm



## PEX DOUBLE LIGHTS

Model	Item	Primary light			Secondary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt	Color temp.	Lumen	Watt				
PEX-CR	6807-54-002	4000 K	3000	23	Red		5	White Ral 9010	100/240 VAC	-25° / +55°	Through wiring - 4 holes (1)
PEX-CR	6807-94-002	4000 K	3000	23	Red		5	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 4 holes (1)
PEX-EM	6807-54-004	4000 K	3000	23	4000 K	1500	13	White Ral 9010	100/240 VAC	-25° / +55°	Through wiring - 4 holes (1)

(1) Not included two or four brass nickel plated cable glands to be ordered separately according to the type of the power electric cable (normal, armoured, etc)  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Refer to ACCESSORIES at page 55

# PEX EXIT

HIGH VISIBILITY GREEN EXIT SIGN IN COMPACT  
EX HAZARDOUS AREA EXPLOSION PROOF LED LIGHT FIXTURES IP66



EX hazardous area explosion proof LED fixture

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

*Classification:* Group II – Category 2G / 2D

*Execution:*

II 2 G Ex d IIB+H2 T5 Gb

II 2 D Ex tb IIIC

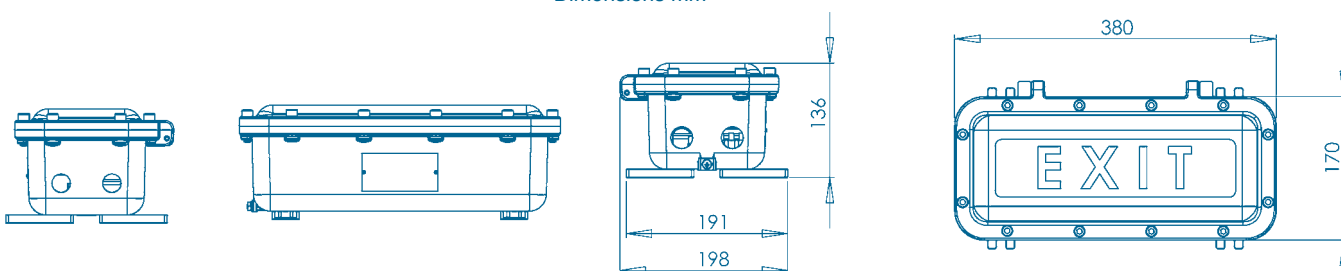
On request diff



Optic diffused beam	180°
Diffuser	High thickness borosilicate glass
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Two cable glands for line in and line out connections
Power factor	>0,9
Insulation	Class 1
IP Rate	IP66
Housing	Made of marine grade copper free aluminum, inox bolts
Fixing	Aluminum brackets
Net Weight	8 Kg
System lifetime hours	L70 B10 50.000 hours at ambient temperature +35°C
International Standards, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
EX certificate	CE INERIS 15 ATEX 0024X



Dimensions mm



## PEX EXIT

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
PEX-Exit	6807-54-007	4000 K	3000	23	White Ral 9010	100/240 VAC	-25° / +55°	Through wiring - 2 holes FOR EMERGENCY EXIT (1)

(1) Not included two or four brass nickel plated cable glands to be ordered separately according to the type of the power electric cable (normal, armoured, etc)  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Refer to ACCESSORIES at page 55



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

Classification: Group II - Category 2G / 2D

Execution:

II 2 G Ex d IIC T6 Gb

II 2 D Ex tb IIIC T85°C Db

On request different input voltages and other housing colors

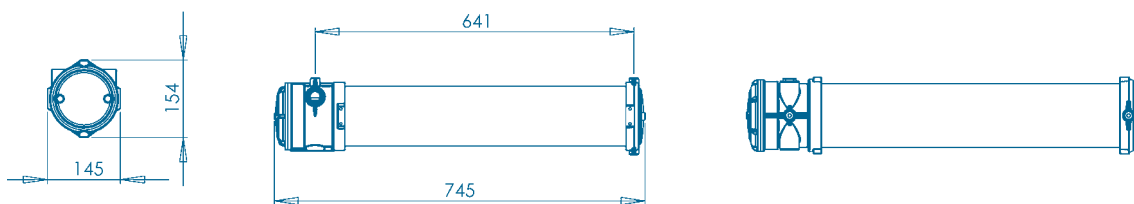


<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	High thickness borosilicate glass
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Power consumption</b>	35 W
<b>Electric power inputs</b>	With electronic power supply inside the fixture.
<b>Wiring</b>	Two cable glands for line in and line out connections
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP Rate</b>	IP66
<b>Housing</b>	Made of marine grade copper free aluminum, inox bolts
<b>Fixing</b>	Aluminum brackets
<b>Net Weight</b>	8 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours at ambient temperature +35°C
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>EX certificate</b>	CE INERIS 12 ATEX 0023X





Dimensions mm



## GEX

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
GEX (1)	6852-54-001	4000 K	5600	35	White Ral 9010	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)

(1) Not included two brass nickel plated cable glands to be ordered separately according to the type of the power electric cable (normal, armoured, etc)  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Refer to ACCESSORIES at page 55





The LED light color is switchable in: red, green, blue and orange

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

*Classification:* Group II – Category 2G / 2D

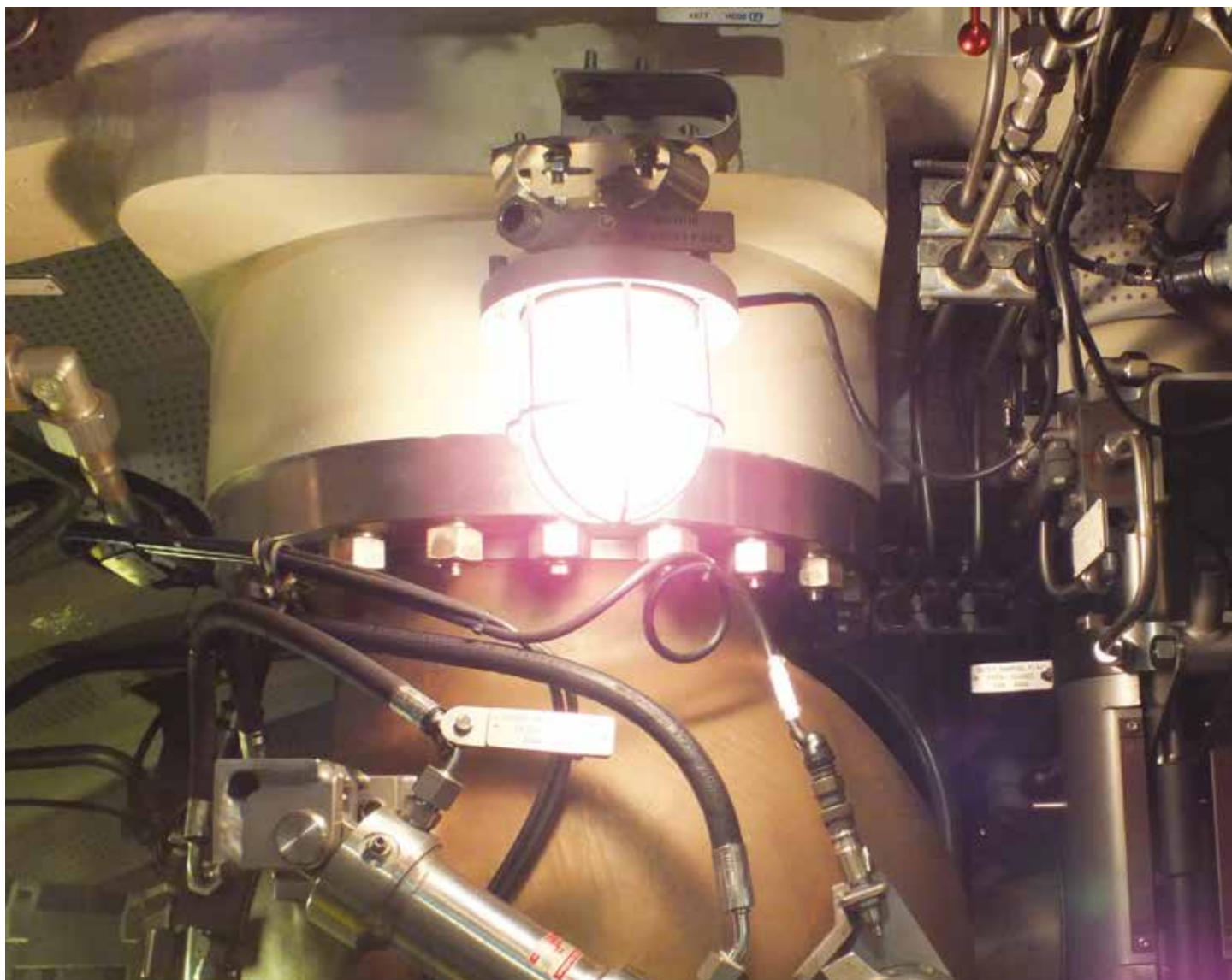
*Execution:*

II 2 G Ex d IIB T4 Gb

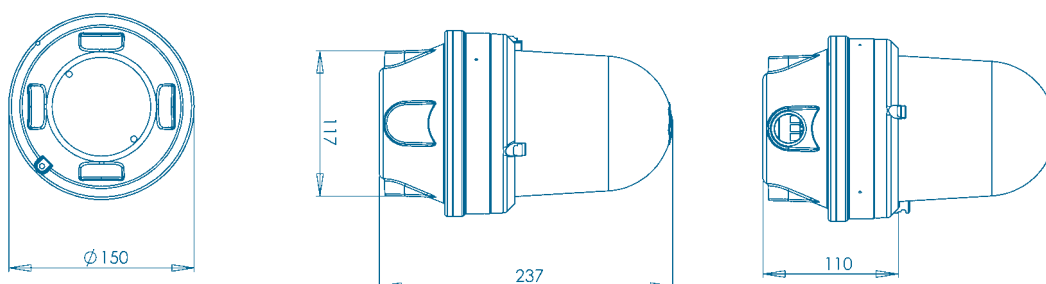
II 2 D Ex tb IIIC T135°C Db



<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	High thickness borosilicate glass
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture
<b>Wiring</b>	Two cable glands for line in and line out connections
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Fixing wall</b>	Reinforced bulkhead bracket inox AISI 316
<b>Fixing ceiling</b>	Ceiling bracket inox AISI 316
<b>Housing</b>	Die-cast marine grade copper free aluminum
<b>Net Weight</b>	3 Kg
<b>System lifetime hours</b>	L70 B10 >50.000 hours
<b>International Standards</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>EX certificate where applicable</b>	CE INERIS 01 ATEX 0054X



Dimensions mm



## GLO

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
GLO NW EX	6952-94-001	4000 K	820	7	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)
GLO C EX	6952-96-001	Red, Blue, Green, Orange	-	7	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)

(1) Not included two brass nickel plated cable glands to be ordered separately according to the type of the power electric cable (normal, armoured, etc)  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Protection guard inox AISI 316

Refer to ACCESSORIES at page 55



The LED light color is switchable in: red, green, blue and orange

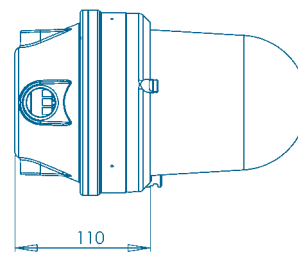
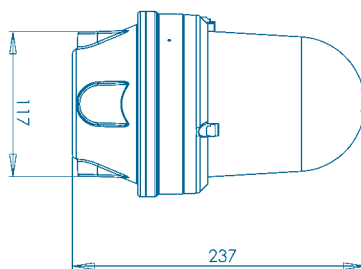
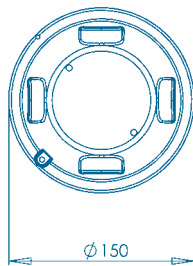


<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	High thickness borosilicate glass
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power inputs</b>	With electronic power supply inside the fixture
<b>Wiring</b>	Two cable glands for line in and line out connections
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Fixing wall</b>	Reinforced bulkhead bracket inox AISI 316
<b>Fixing ceiling</b>	Ceiling bracket inox AISI 316
<b>Housing</b>	Die-cast marine grade copper free aluminum
<b>Net Weight</b>	3 Kg
<b>System lifetime hours</b>	L70 B10 >50.000 hours
<b>International Standards</b>	IEC 60092-306; IEC 60533; EN 60598-1
<b>EX certificate where applicable</b>	CE INERIS 01 ATEX 0054X





Dimensions mm



## GLO

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
GLO NW GLO C	6952-94-001	4000 K	820	7	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)
	6952-96-001	Red, Blue, Green, Orange	-	7	Grey Ral 7040	100/240 VAC	-25° / +55°	Through wiring - 2 holes (1)

(1) Not included two plastic cable glands to be ordered separately,  
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Protection guard inox AISI 316

Refer to ACCESSORIES at page 55



# TON 160

## HIGH EFFICIENCY LED FLOODLIGHT



Powerful, precise and robust LED flood light  
Compact and low weight housing  
One lens for each LED assure intense and precise light beam

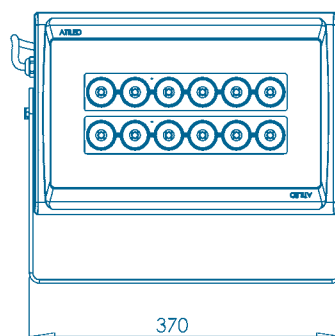
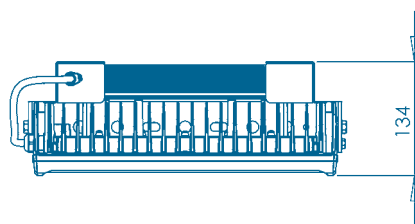
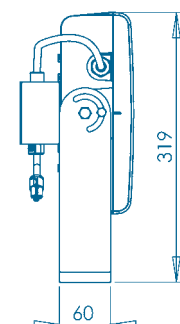
On request different housing color and different temperature color



<b>Diffuser</b>	Clear tempered glass
<b>Color Rendering Index</b>	CRI >70
<b>Power consumption</b>	160 W
<b>Electric power inputs</b>	With electronic power supply on the fixture
<b>Wiring</b>	Power line connection with junction box or IP68 connector
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Working ambient temperatures</b>	Equipped with active control of external ambient temperature
<b>Housing</b>	Orientable made of marine grade copper free aluminum grey, inox bolts, with anti-condensation valve for air recirculation
<b>Fixing</b>	Orientable stainless steel brackets AISI 316
<b>Net Weight</b>	8,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1



Dimensions mm



## TON 160

Model	Item	Primary light			Optic Beam Degree	Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt					
TON 160	6943-04-624	4000 K	19.400	160	54°	Grey Ral 7040	100/240 VAC	-25° / +55°	IP68 connector included
TON 160	6943-04-324	4000 K	19.400	160	26°	Grey Ral 7040	100/240 VAC	-25° / +55°	IP68 connector included
TON 160 A	6943-04-001	4000 K	19.400	160	54°	Grey Ral 7040	100/240 VAC	-25° / +55°	Junction box included





# TON 100

HIGH EFFICIENCY LED FLOOD LIGHT COLOR RED OR BLUE

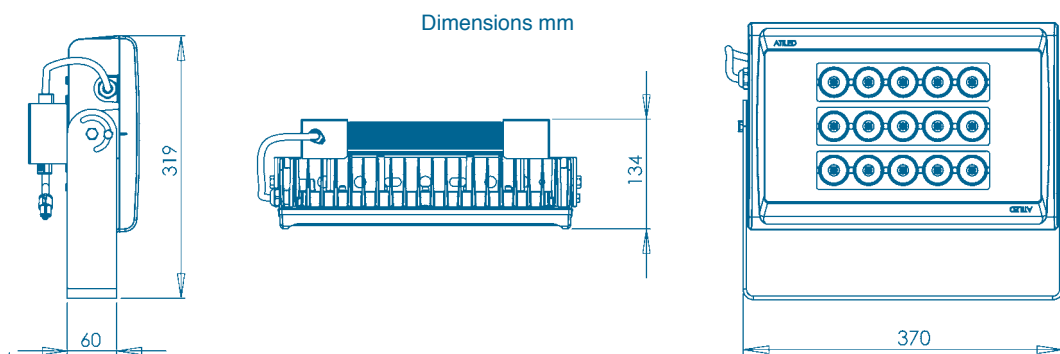
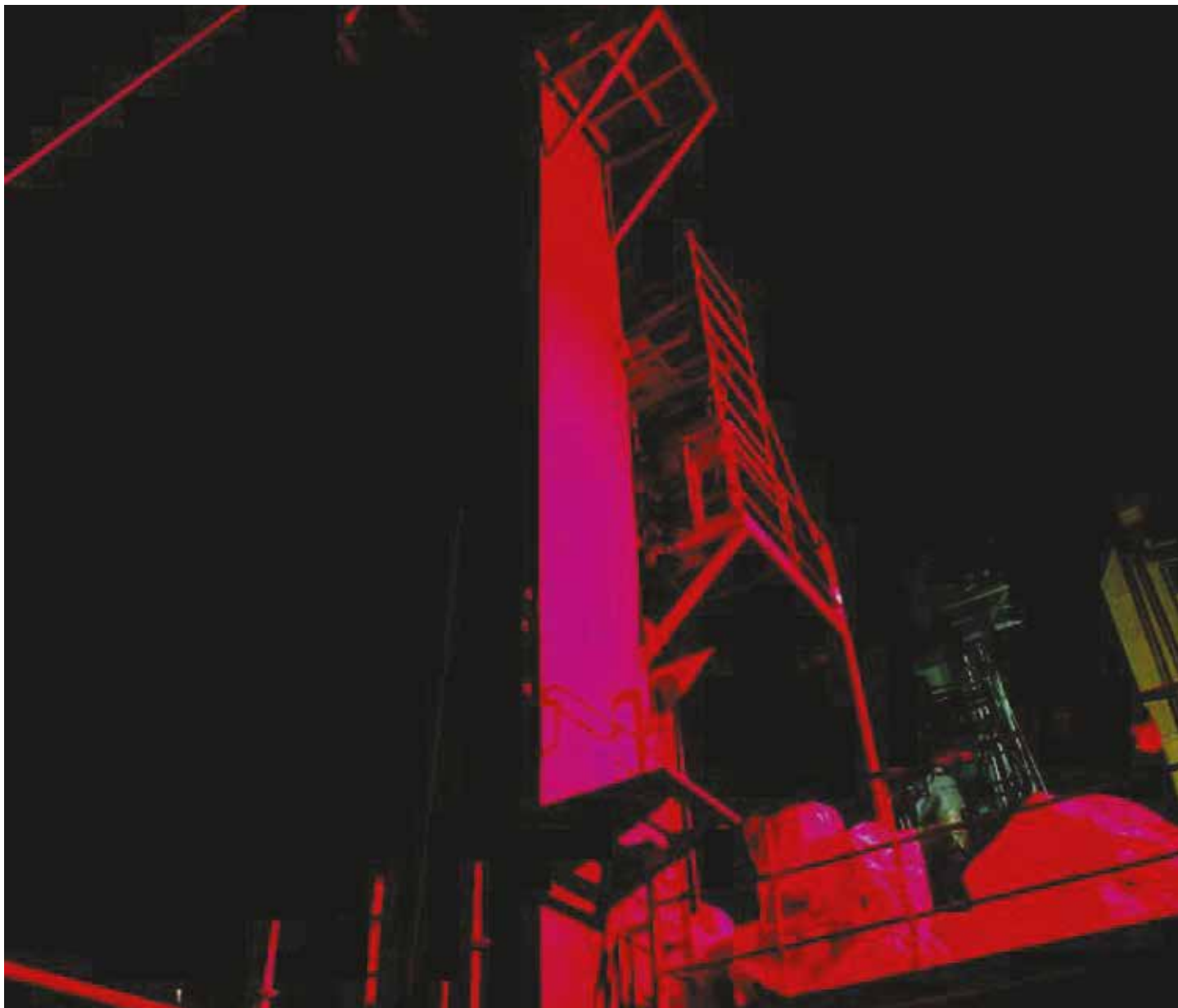


Powerful, precise and robust LED flood light  
Compact and low weight housing  
One lens for each LED assure intense and precise light beam

On request different housing color and different temperature color



<b>Diffuser</b>	Clear tempered glass
<b>Electric power inputs</b>	With electronic power supply on the fixture
<b>Wiring</b>	Power line connection with IP68 connector, included
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Working ambient temperatures</b>	Equipped with active control of external ambient temperature
<b>Housing</b>	Orientable made of marine grade copper free aluminum, inox bolts, with anti-condensation valve for air recirculation
<b>Fixing</b>	Orientable stainless steel brackets AISI 316
<b>Net Weight</b>	8,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1



## TON 100

Model	Item	Primary light			Optic Beam Degree	Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt					
TON R100	6943-10-624	Red	-	105	54°	Grey Ral 7040	100/240 VAC	-25° / +55°	
TON B100	6943-09-624	Blue	-	135	54°	Grey Ral 7040	100/240 VAC	-25° / +55°	





# TOR 50

## HIGH EFFICIENCY LED FLOOD LIGHT

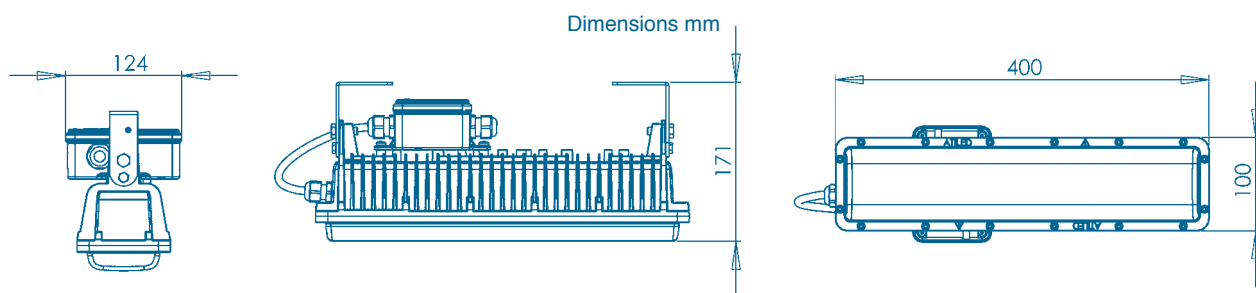
Compact and robust LED flood light

One lens for each LED assure intense and precise light beam

On request different housing color and different temperature color



<b>Diffuser</b>	Clear polycarbonate
<b>Color Rendering Index</b>	CRI >70
<b>Power consumption</b>	50 W
<b>Electric power inputs</b>	With electronic power supply inside the fixture
<b>Wiring</b>	Line in and line out junction box in the fixture back side
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 1
<b>IP rate</b>	IP66
<b>Housing</b>	Orientable made of marine grade copper free aluminum, inox bolts, with anti-condensation valve for air recirculation
<b>Fixing</b>	Stainless steel brackets AISI 316
<b>Net Weight</b>	2,6 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours
<b>International Standards, compliance where applicable</b>	IEC 60092-306; IEC 60533; EN 60598-1



## TOR 50

Model	Item	Primary light			Optic Beam Degree	Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt					
TOR 50	6941-04-324	4000 K	6.500	50	21°	Grey Ral 7040	100/240 VAC	-25° / +55°	
TOR 50	6941-04-524	4000 K	6.500	50	45°	Grey Ral 7040	100/240 VAC	-25° / +55°	
TOR 50	6941-04-624	4000 K	6.500	50	65°	Grey Ral 7040	100/240 VAC	-25° / +55°	



# PSAR 2

## RECESSED ROUND LED LIGHT FIXTURE



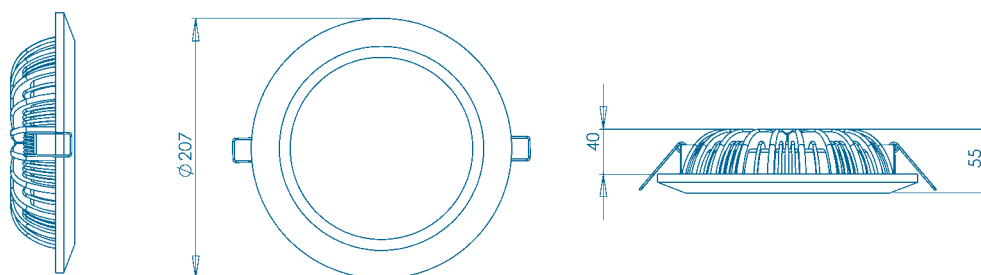
Suitable for offices, wardroom, messroom, bathrooms  
Light colors available in white warm or natural, Red, Blue, Green



Optic diffused beam	180°
Diffuser	Opal polycarbonate
Color Rendering Index	CRI >80
Photobiological risk group	RG0
Power factor	>0,5
Electric power input	Power supply to be installed outside fixture
Insulation	Class II
IP Rate	IP44
Housing	Aluminum, white painted
Fixing	With 3 screws and / or springs
Net Weight	0,7 Kg
System lifetime hours	>50.000
International Standard	EN 60598-1



Dimensions mm



## PSAR 2

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
PSAR2-WW	6823-02-254	3000 K	1900	20	white	220/240 VAC	-25° / +45°	DALI dimmable DALI dimmable
PSAR2-NW	6823-04-254	4000 K	2000	20	white	220/240 VAC	-25° / +45°	
PSAR2-WW-DALI	6823-02-256	3000 K	1900	20	white	220/240 VAC	-25° / +45°	
PSAR2-R DALI	6823-10-256	RED	175	4	white	220/240 VAC	-25° / +45°	



Recessed led fixture with integrated on/off touch dimmable control

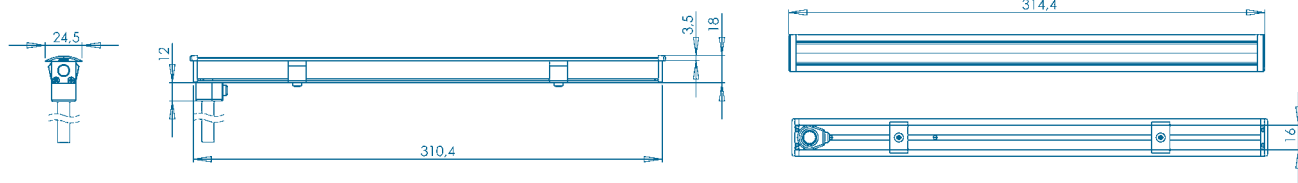


<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	Opal polycarbonate
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power input</b>	Not included external electronic power supply
<b>Wiring</b>	0,7m cable line included
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class III
<b>IP rate</b>	IP20
<b>Housing</b>	Anodized aluminum, grey natural color
<b>Fixing</b>	two inox springs
<b>Weight, electric cable included</b>	0,4 Kg
<b>System lifetime hours</b>	> 50.000
<b>International Standards</b>	EN 60598-1





Dimensions mm



**CTL**

Model	Item	Primary light			Housing Color	Electric Power inputs	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
CTL	6949-02-001	3000 K	630	5	Brushed anodized aluminium	24 V DC	-25° / +45°	

CE

Recessed led fixture to be installed in "technical bar" over the cabinet table

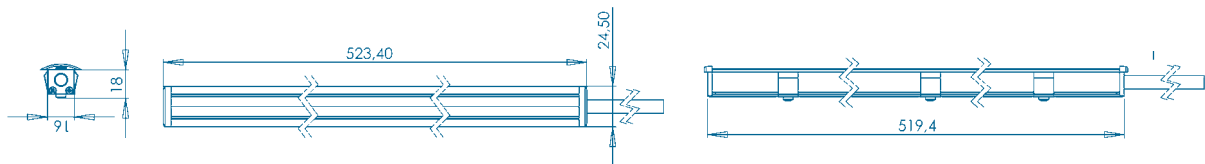
Fixture lenght can be customized



<b>Optic diffused beam</b>	180°
<b>Diffuser</b>	opal polycarbonate
<b>Color Rendering Index</b>	CRI >85
<b>Photobiological risk group</b>	RG0
<b>Electric power input</b>	Not included external electronic power supply
<b>Wiring</b>	0,5 m cable line included
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class III
<b>IP Rate</b>	IP20
<b>Housing</b>	anodized aluminum, grey natural color
<b>Fixing</b>	two inox springs
<b>Weight, electric cable included</b>	0,45 Kg
<b>System lifetime hours</b>	> 50.000
<b>Certification</b>	EN 60598-1



Dimensions mm



## CLS

Model	Item	Primary light			Housing Color	Electric Power inputs	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
CLS	6948-02-001	3000 K	1580	12	Brushed anodized aluminium	24 V DC	-25° / +45°	Lumen and power consumption for CTL lenght 500 mm.





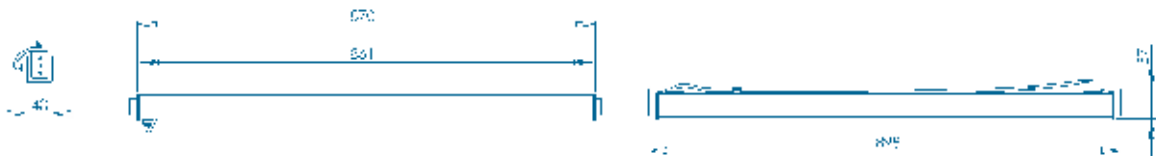
Open deck LED light fixture



<b>Optic beam</b>	180°
<b>Diffuser</b>	Opal polycarbonate
<b>Color Rendering Index</b>	CRI >85
<b>Power consumption</b>	20 W
<b>Electric power</b>	Input 100/240 VAC 50/60 Hz - Output 24 V DC
<b>Power Supply</b>	Power supply included. Power supply is not inside housing, but to be installed in metal box (not supplied) inside ship hull
<b>Wiring</b>	Line in cable factory connected to the fixture, ready for junction in power supply box inside ship
<b>Power factor</b>	>0,9
<b>Insulation</b>	Class 2
<b>IP Rate</b>	IP66
<b>Working ambient temperatures</b>	-25° / +55°C
<b>Housing</b>	Orientable made of anodized aluminum
<b>Fixing</b>	Adjustable stainless steel brackets AISI 316
<b>Weight</b>	2,5 Kg
<b>System lifetime hours</b>	L70 B10 50.000 hours



Dimensions mm



# GEST

Model	Item	Primary light			Housing Color	Note
		Color temp.	Lumen	Watt		
GEST	6855-04-994	4000 K	2650	20	Grey Ral 7040	Shock test MIL-S 901D
GEST	6855-04-995	4000 K	2650	20	Grey Ral 7040	





# KEROS 30X120

HOSPITAL AREAS, SURGERY ROOMS

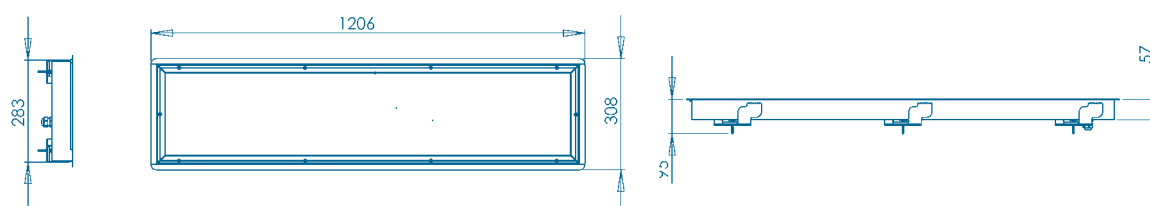
Recessed LED light fixture IP65 - in both front and rear fixture sides



Diffuser clear prismatic "dark light" anti glare beam	180°
Power consumption	45W
Photobiological risk group	RG0
Color Rendering Index	CRI 85
Electric power inputs	With electronic power supply inside the fixture
Power factor	>0,9
Insulation	Class 1
IP rate on both front and rear side	IP65
Housing	Steel
Net Weight	6,5 Kg
System lifetime hours	Duration L70 B10 50.000
Certification	EN 60598-1



Dimensions mm



## KEROS 30X120

Model	Item	Primary light			Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
KEROS dark IP65	6740-04-005	4000 K	5200	45	White	220/240 VAC	-20° / +45°	



Suitable for Galley, Cold Room, CBRN chemical, biological, radiological and nuclear decontamination stations



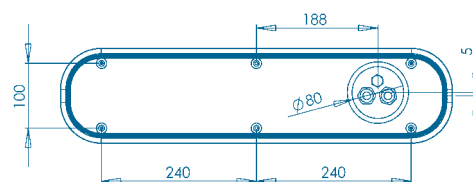
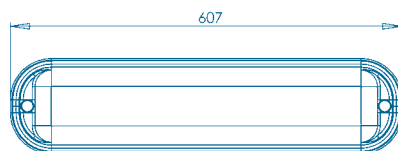
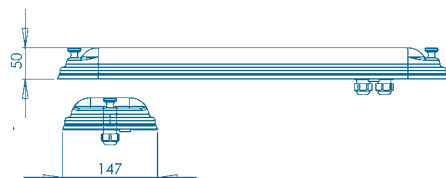
### STAINLESS STEEL LED LIGHT FIXTURE USPHS COMPLIANT FOR **GALLEY** AND **COLD ROOM** **CBRN** CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR DECONTAMINATION STATIONS



Optic diffused beam	180°
Diffuser anti glare opal polycarbonate	Flame rating V-0 (UL 94 test), UV resistant
Photobiological risk group	RG0
Power consumption	32 W
System lifetime hours	L80 B10 >75.000 hours
Color Rendering Index	CRI 85
Electric power inputs	With electronic power supply inside the fixture
Wiring	Line in and line out inside fixture
Power factor	>0,9
Insulation	Class 1
IP rate	IP66 and IP67
Housing	Stainless steel AISI 316L with anti-condensation valve for air recirculation
Fixing	Counter ceiling with holes for 6 screws, perimeter sealed with silicone gasket
Net Weight	2 Kg
International Standards	CE, USPHS compliant



Dimensions mm



## GALCOR

Model	Item	Primary light			Housing Color	Electric Power inputs 0/50/60 Hz	Working Amb. Temperature	Note
		Color temp.	Lumen	Watt				
GALCOR	6953-04-854	4000 K	5.250	32		220/240 VAC	-25° / +45°	





# EBLAN

EMERGENCY LED BATTLE LANTERN FULLY MICROPROCESSOR DRIVEN  
PORTABLE AND FLOATING IP67 WITH RECHARGEABLE BATTERY



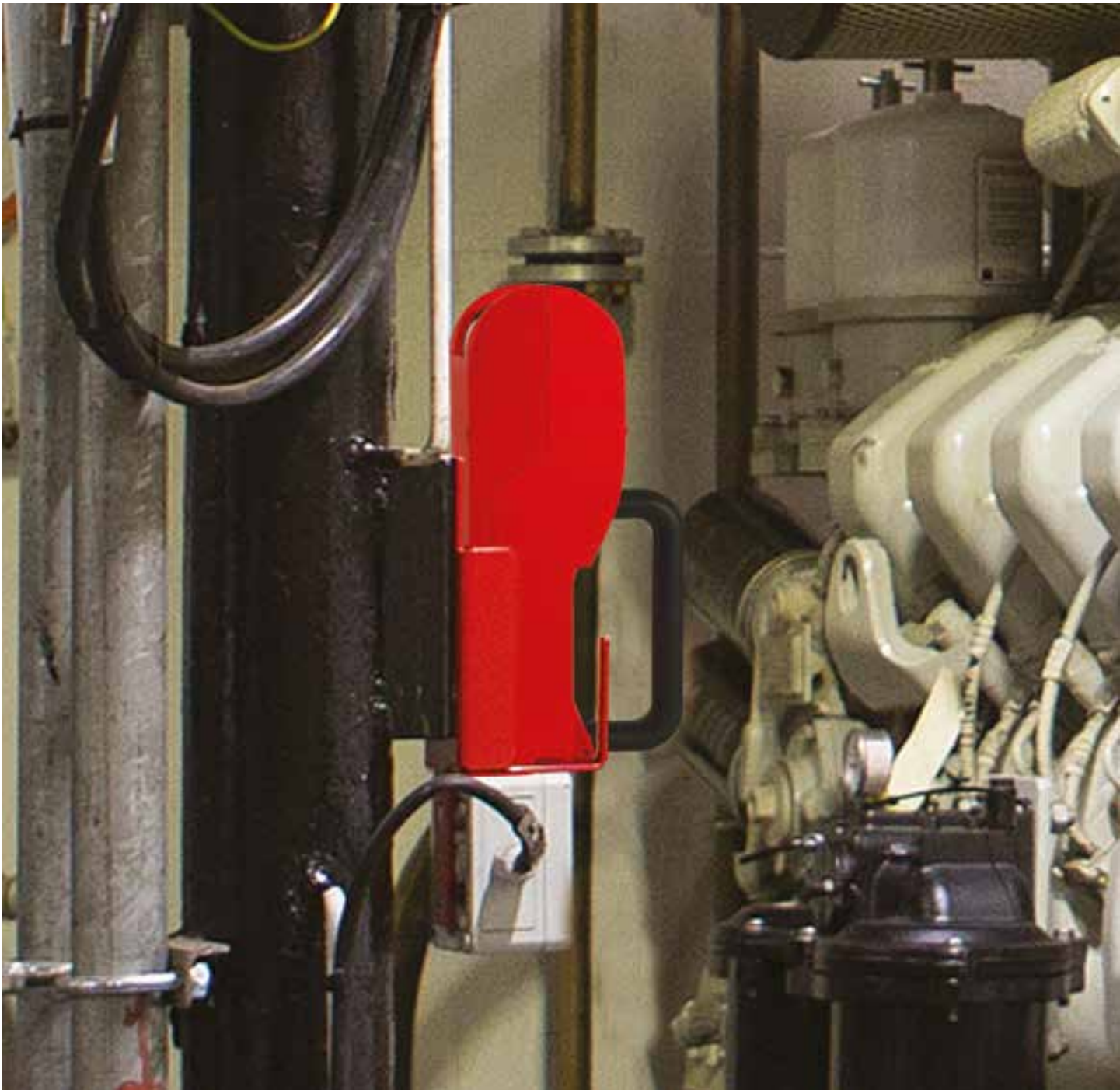
Two LEDS wide or narrow beam, high or low intensity white light that in case of blackout last for 10 hours



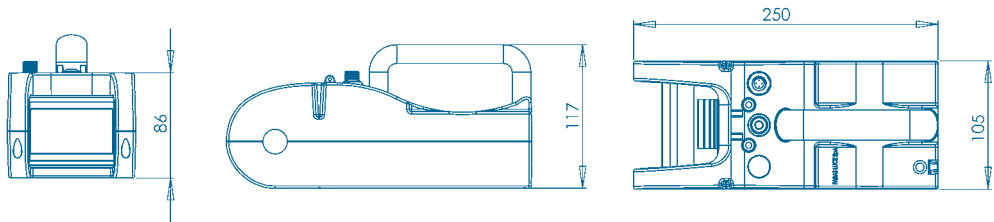
Color Rendering Index CRI	85
Lifetime Light at reduced luminous flux	4,5 Hours
Lifetime Light at luminous flux 250 lumen	10 Hours
Battery sealed pack whit active temperature monitoring and control	Nickel Metal Hydride
Battery charging time from low to max level hours	8
Battery stand by duration without power connection hours	4 / 8 weeks
Low safe recharging power voltage V	< 20
Insulation	Class III
IP Rate	IP67
Working ambient temperatures	-20 / +55 °C
Net Weight	1 Kg
Dimensions mm:	length 250, width 105, height 80
International Standars	CE

#### lantern wall mounting bracket with power unit box

Electric power inputs	100 / 240 VAC 50 / 60 Hz
Insulation	Class 1
Working ambient temperatures	-20 / +55 °C
IP rate	IP67
Net Weight	1 Kg



Dimensions mm



# EBLAN

Model	Item	Primary light			Secondary light			Housing Color	Note
		Color temp.	Lumen	Watt	Color temp.	Lumen	Watt		
EBLAN	6923-04-001	5700 K	250	-	Red	-	4	Red - Black	
					Green	-	4		

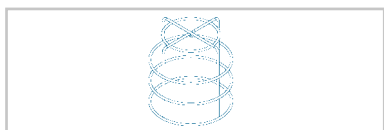




Fabas Luce carefully manage all the different technologies that are necessary to produce reliable led light fixtures. According to the type of light needed we select top quality leds and design the proper electronic board. We develop compact fixture housing with marine grade aluminum or stainless steel that assure the right heat dissipation and long lasting in harsh environment. The light diffusers and the optics are designed to create the best efficient view.

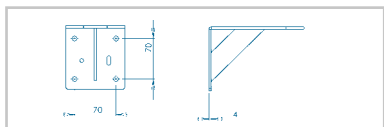
# ACCESSORIES

## GLO



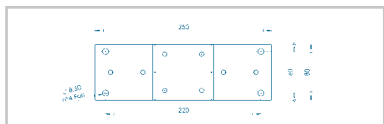
**6952-50-001**

Protection guard inox Aisi 316



**6952-50-002**

Bulkhead bracket inox Aisi 316



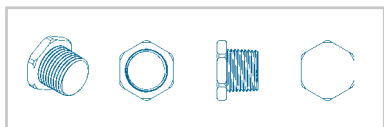
**6952-50-003**

Ceiling bracket inox Aisi 316



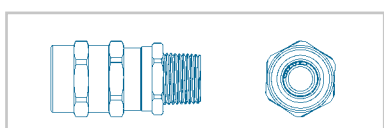
**6952-50-004**

Plastic cable gland 1/2" NPT  
for normal cable outside diameter mm 6 min / 12 Max



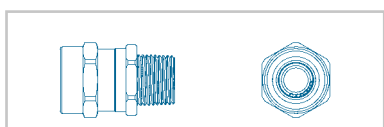
**6807-50-011**

Stopping plug 1/2" NPT marine grade brass nickel plated



**6807-50-009**

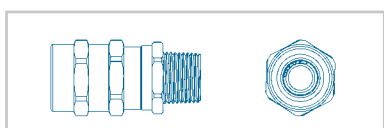
Marine grade brass nickel plated cable gland 1/2" NPT  
for ARMoured electric cable, diameter mm  
5,5 min / 13 Max under armour - 10 min / 19 Max external



**6807-50-010**

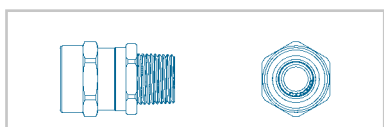
Marine grade brass nickel plated cable gland 1/2" NPT  
for UNArmoured electric cable, external diameter mm 5,5 min / 13 Max

## PEX-GEX



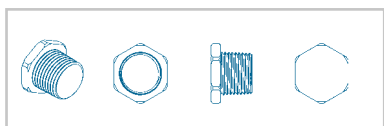
**6807-50-009**

Marine grade brass nickel plated cable gland 1/2" NPT  
for ARMoured electric cable, diameter mm  
5,5 min / 13 Max under armour - 10 min / 19 Max external



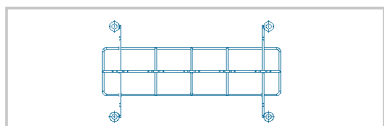
**6807-50-010**

Marine grade brass nickel plated cable gland 1/2" NPT  
for UNArmoured electric cable, external diameter mm 5,5 min / 13 Max



**6807-50-011**

Stopping plug 1/2" NPT marine grade brass nickel plated



**6907-59-013**

Protection guard inox Aisi 316 for glass diffuser explosion proof led fixture mod. PEX





Our wide range of led lights fixtures cover 95% of the all type of lights a navy ship may need, no matter if is a new build or modernization of existing vessel.



Italian navy training school sailing ship Amerigo Vespucci  
The italian flag made with our color LED flood lights



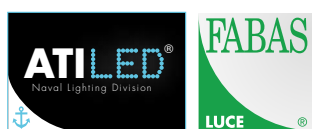
# REFERENCES

Year	Owner	Ship or class name	Number of ships	Type
2020	Qatari Emiri Navy	-	1	LPD
2019 - 22	Qatari Emiri Navy	-	2	OPV
2019 - 23	Qatari Emiri Navy	-	4	Corvette
2018 - 19	Italian Navy	UNPAV	2	Special forces high speed unit
2015 - 20	Algerian National Navy	-	3	Mine hunter
2017 - 20	Italian Navy	FREMM	10	Fregate
2018	Italian Navy	A 5309 Anteo	1	Submarine rescue ship
2018	Italian Navy	Trieste	1	LHD unità anfibia multiruolo
2018 - 25	Italian Navy	PPA	7	Multi-role offshore patrol vessels
2017	Italian Navy	Vulcano	1	LSS
2016	Finnish Navy	Katanpaa	3	Mine hunter
2016	Venezuela Navy	-	1	U 209 submarine
2015	Marina Militare Italiana	U212	2	Submarine
2015	Norwegian Polar Institute	Kronprins Haakon	1	Icebreaker
2015 - 18	Italian Navy	Lerici	4	Mine hunter
2015	Italian Navy	San Marco	1	LPD
2015	RosRAO - Russia	Itarus	1	Semi-submersible floating platform
2014	Italian Navy	Vespucci	1	Training school sailing ship
2014	Algerian National Navy	Kalaat Beni-Abbes	1	LPD
2013	Italian Coast Guard	CP 409 Ingianni	1	Patrol boat

## NOTE

[illegible]





[naval.atiled.it](http://naval.atiled.it)

#### Headquarter

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