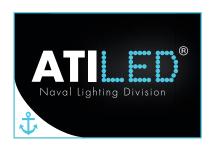


Sustainable LED lighting fixtures for Offshore Wind



Fabas

naval.atiled.it



ur LED light technical fixtures are based on our proven and successful experience that we have as innovator for navy ship lights.

Our fixtures are really "LED native", new and original.

LED board and fixture housing born together to assure top performances and long lifetime almost maintenance free.

With our innovative design approach we manufacture the most powerful, compact and low weight LED fixtures on the market.

Discover in the next pages our techincal light fixtures indoor and open deck complete range, ready to carefully illuminate every space 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

2010

We create a new Fabas Luce division to design and produce specific LED light fixtures for marine environments

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 conitnues 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 successfull with its products, in Italy and in the world, respecting people and rules.



Typical applications

Fixed and floating turbines

- Internal turbine
- Doorways
- Crew access
- Walkways, stairways and ladders
- Turbine identification board

Substations and topsides

- · Linears installed on handrails
- · Floodlights for escape to sea
- Floodlight to illuminate the substation
- Identification plate and work and lay down areas
- Emergency lighting
- Indoor lighting

All our recommended products are marine-certified and quality-approved.

INDEX

page 10



COMPACT POWERFUL LED LIGHT FIXTURE TECHNICAL SPACES AND OPEN DECKS

page 12



HIGH EFFICIENCY LED FLOODLIGHT

page 14



HIGH EFFICIENCY COMPACT LED FLOODLIGHT

page 16



VERY COMPACT, VERSATILE AND POWERFUL LED LIGHT FIXTURE

page 18



LED LIGHT FIXTURE INOX USPHS COMPLIANT

page 20



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

page 22



RECESSED ROUND LED LIGHT FIXTURE

page 24



HOSPITAL AREAS, SURGERY ROOMS

page 26



COMPACT EX HAZARDOUS AREA EXPLOSION PROOF LED LIGHT FIXTURES

page 28



POWERFUL AND COMPACT EX HAZARDOUS AREA EXPLOSION PROOF LED LIGHT FIXTURES

page 30



LED GLOBE WHITE NATURAL LIGHT OR COLORED LIGHT

page 32



STARFIX

COMPACT POWERFUL IP67 LED LIGHT FIXTURE INDOOR/OUTDOOR AND OPEN DECKS

We show very good colors close to the real one's thanks to our accurate LEDs selection that combine very high CRI Color Rendering Index typically 92 within 3 Step MacAdam



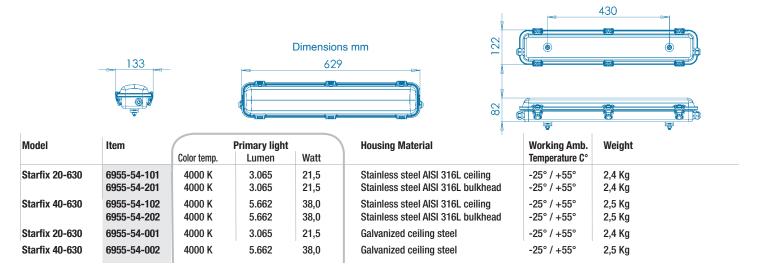


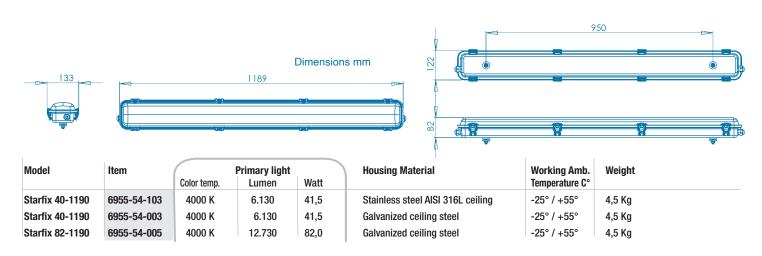
Luminous efficacy	Nominal 163 lumen / Watt
Optic diffused beam	180°
Diffuser	Anti glare opal polycarbonate flame rating V0 (UL 94 test), UV resistant
Color Rendering Index	CRI 90 (min.), 92 (typ.)
Photobiological risk group	RG0
Electric power inputs	220/240VAC/DC 50/60Hz with electronic power supply inside the fixture
Wiring	Line in and line out inside the fixture
Power factor	>0,95
Insulation	Class 1
Protection	IP66/67
Housing painting treatment	Stainless steel AISI 316L model - 70 / 80 μ m glossy white polyester paint RAL9016
Mounting	Ceiling, wall threaded pin stainless steel AISI 316L / Bulkhead support stainless steel AISI 316L - White RAL 9016
LED lifetime hours	L80 B10 > 75.000 h
Driver expected lifetime	100.000 h *
International Standars compliance where applicable	IEC 60092-306; IEC 60533; EN60598-2-1
Certification	CE

^{*}The led driver is designed for the lifetime stated above with less than 10% failure probability



STARFIX





TON 100/160 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

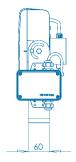
On request different housing color and light temperature color

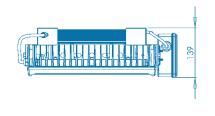


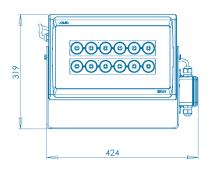
Diffuser	Clear tempered glass			
Color Rendering Index	CRI >70			
Electric power inputs	With electronic power supply on the fixture			
Wiring	Power line connection with junction box			
Power factor	>0,9			
Insulation	Class 1			
IP rate	IP66/67			
Working ambient temperatures	Equipped with active control of external ambient temperature			
Housing	Orientable made of marine grade copper free aluminum grey, inox bolts, with anti-condensation valve for air recirculation			
Fixing	Orientable stainless steel brackets AISI 316			
Net Weight	8,5 Kg			
System lifetime hours	L70 B10 50.000 hours			
International Standars, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1			



Dimensions mm







TON 100/160

Model	Item	Primar Color temp.*	y light Lumen	Watt	Optic Beam Degree	Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature C°	Note
TON 100	6942-54-324 6942-54-624	4000 K 4000 K	13.800 13.800	105 105	26° 54°	White Ral 9016 White Ral 9016	100/240 VAC 100/240 VAC	-40° / +55° -40° / +55°	Junction box included Junction box included
	6942-52-324 6942-52-624	3000 K 3000 K	12.840 12.840	105 105	26° 54°	White Ral 9016 White Ral 9016	100/240 VAC 100/240 VAC	-40° / +55° -40° / +55°	Junction box included Junction box included
TON 160	6943-54-324 6943-54-624	4000 K 4000 K	19.400 19.400	160 160	26° 54°	White Ral 9016 White Ral 9016	100/240 VAC 100/240 VAC	-40° / +55° -40° / +55°	Junction box included Junction box included
	6943-52-324 6943-52-624	3000 K 3000 K	18.216 18.216	160 160	26° 54°	White Ral 9016 White Ral 9016	100/240 VAC 100/240 VAC	-40° / +55° -40° / +55°	Junction box included Junction box included

^{*}Color temperature 5700K available on request



TOR 50

HIGH EFFICIENCY COMPACT LED FLOOD LIGHT

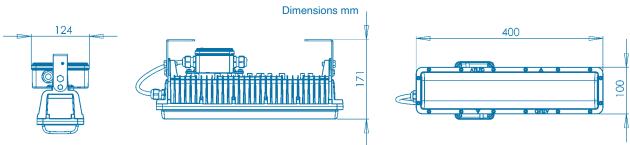
Very compact and robust LED flood light
One lens for each LED assure intense and precise light beam

On request different housing color and light temperature color



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





TOR 50

Model	Item	Primar	y light		Optic Beam	Housing	Electric Power	Working Amb.	Note
		Color temp.	Lumen	Watt	Degree	Color	inputs 50/60 Hz	Temperature C°	
TOR 50	6941-04-324	4000 K	6.500	50	21°	White Ral 9010	100/240 VAC	-25° / +55°	
TOR 50	6941-04-524	4000 K	6.500	50	45°	White Ral 9010	100/240 VAC	-25° / +55°	
TOR 50	6941-04-624	4000 K	6.500	50	65°	White Ral 9010	100/240 VAC	-25° / +55°	



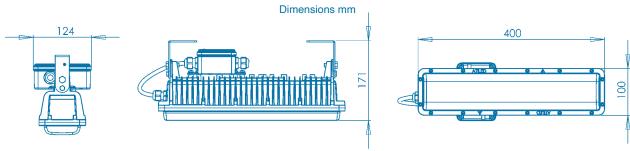
VERY COMPACT, VERSATILE AND POWERFUL LED LIGHT FIXTURE

TVE is strongly ruggedized and its reduced dimension are the perfect solution for bilge, escape stairs, other indoor areas and weather decks requesting reliable illumination needs.



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
IP Rate	IP66/67
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 Standars, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1





TVE

Model	Item	P	rimary light		Housing	Electric Power	Working Amb.	Note
		Color temp.	Lumen	Watt	Color	inputs 50/60 Hz	Temperature C°	
TVE-WW	6868-52-001	3000 K	3.000	22	White Ral 9010	100/240 VAC	-25° / +55°	
TVE-NW	6868-54-001	4000 K	3.400	22	White Ral 9010	100/240 VAC	-25° / +55°	

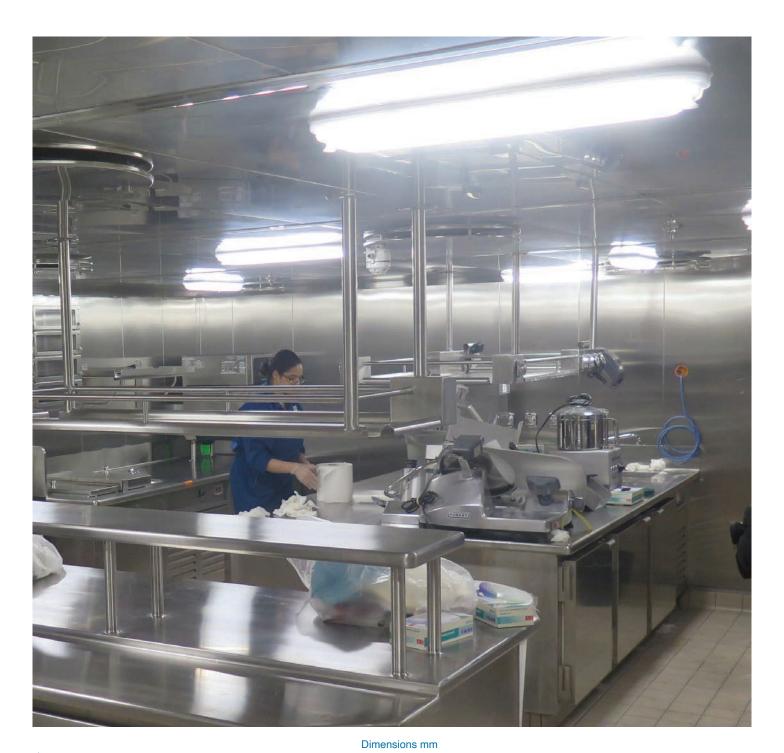


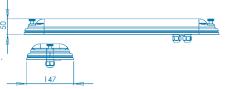
STAINLESS STEEL LED LIGHT FIXTURE USPHS COMPLIANT

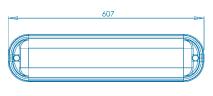
FOR GALLEY AND LAUNDRY - 32W MODEL FOR COOL AND FREEZER ROOMS - 40W MODEL REDUCED HEIGHT ONLY 50 MM

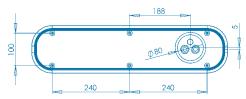


Optic diffused beam	180°
Diffuser anti glare opal polycarbonate	Flame rating V-0 (UL 94 test), UV resistant
Photobiological risk group	RG0
System lifetime hours	L80 B10 >75.000 hours
Color Rendering Index	CRI 85
Electric power inputs	With electronic power supply inside the fixture
Wiring	Line in and line out inside fixture
Power factor	>0,9
Insulation	Class 1
IP rate	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 Standars	CE, USPHS compliant









GALCOR

Model	Item		Primary light		Housing	Electric Power	Working Amb.	Note
		Color temp.*	Lumen	Watt		inputs 0/50/60 Hz	Temperature C°	
GALCOR GALCOR	6953-04-854 6953-04-001	4000 K 4000 K	5.250 6.030	32 40	Stainless steel Stainless steel	220/240 VAC 220/240 VAC	-25° / +45° -43° / +30°	

^{*}Color temperature 3000K available on request



EBLAN

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

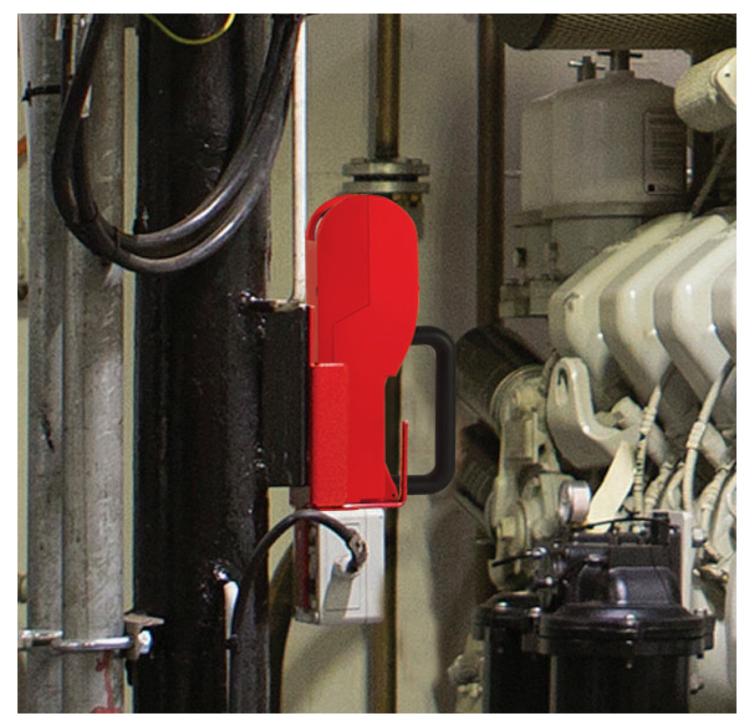
Two LEDS wide or narrow beam, high or low intensity white light that in case of blackout last for 10 hours



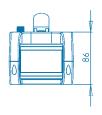
Color Rendering Index CRI	70
Lifetime Light at reduced luminous flux - 190 lumen	4,5 Hours
Lifetime Light at luminous flux 440 lumen	10 Hours
Battery sealed pack with active temperature monitoring and control	Nickel Metal Hydride
Battery charging time from low to max level hours	6
Battery stand by duration without power connection hours	3 months
Low safe recharging power voltage V DC	15
Insulation	Class III
IP Rate	IP67
Working ambient temperatures	-20 / +55 °C
Net Weight	1,25 Kg
International Standars	IEC 60092-306; IEC 60533; EN 60598-1

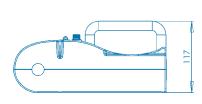
lantern wall mounting bracket with power unit box

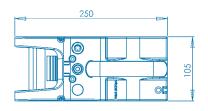
tanton was mounting bracket was power and box					
Electric power inputs	100 / 240 VAC 50 / 60 Hz				
Insulation	Class 1				
Working ambient temperatures	-20 / +55 °C				
IP rate	66				
Net Weight	1,5 Kg				



Dimensions mm







EBLAN

Model	Item	Primar	y light	Seconda	ary light	Housing
		Color temp.	Lumen	Color	Lumen	Color
EBLAN	6923-04-001	5700 K	440	Red Green	-	Red - Black
	6923-04-002	Wall moun	ting bracket with	n electronic power	unit box and co	nnectorized cord

 ϵ

PSAR 2

RECESSED ROUND LED LIGHT FIXTURE

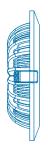
Suitable for offices, wardroom, messroom, bathroooms Light colors available white warm or natural

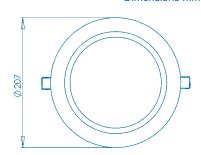


Optic diffused beam	180°
Diffuser	Opal polycarbonate
Color Rendering Index	CRI >80
Photobiological risk group	RG0
Power factor	>0,5
Electric power input	Power supply to be installed outside fixture
Insulation	Class II
IP Rate	IP44
Housing	Aluminum, white painted
Fixing	With 3 screws and / or springs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



Dimensions mm







PSAR 2

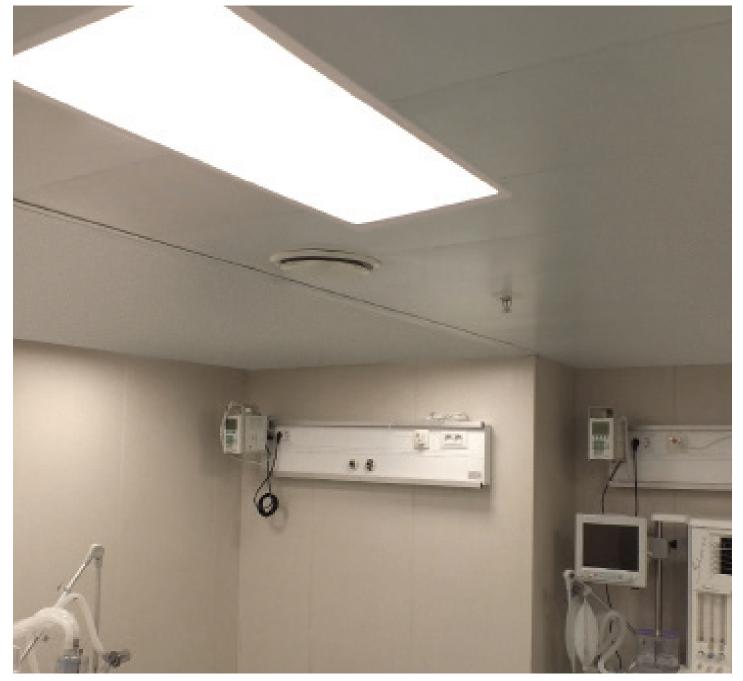
Model	Item		Primary light		Housing	Electric Power	Working Amb.	Note
		Color temp.	Lumen	Watt	Color	inputs 50/60 Hz	Temperature C°	
PSAR2-WW PSAR2-NW	6823-02-254 6823-04-254	3000 K 4000 K	1.900 2.000	20 20	white white	220/240 VAC 220/240 VAC	-25° / +45° -25° / +45°	
PSAR2-WW-DALI	6823-02-256	3000 K	1.900	20	white	220/240 VAC	-25° / +45°	DALI dimmable

KEROS 30X120 HOSPITAL AREAS, SURGERY ROOMS

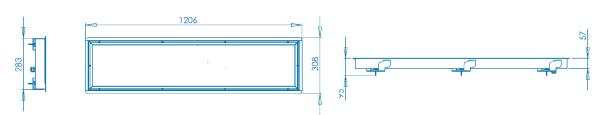
Recessed LED light fixture IP65 - in both front and rear fixture sides



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

Mode	el	Item	Primary light			Housing	Electric Power	Working Amb.	Note
			Color temp.	Lumen	Watt	Color	inputs 50/60 Hz	Temperature C°	
KERO	OS dark IP65	6740-04-005	4000 K	5.200	45	White	220/240 VAC	-20° / +45°	



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

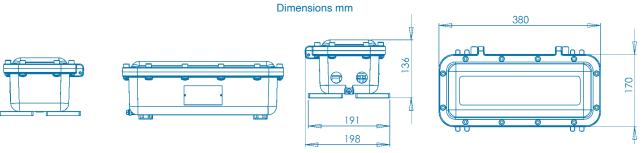
Execution:

II 2 G Ex d IIB+H2 T5 Gb II 2 D Ex tb IIIC T100°C Db



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 Standars, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
EX certificate	CE INERIS 15 ATEX 0024X





PEX

Mod	del	Item	Primary light			Housing	Electric Power	Working Amb.	Note
			Color temp.	Lumen	Watt	Color	inputs 50/60 Hz	Temperature C°	
PEX		6807-54-001	4000 K	3.000	23	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.



POWERFUL AND COMPACT EX HAZARDOUS AREA EXPLOSION PROOF LED LIGHT FIXTURES IP66



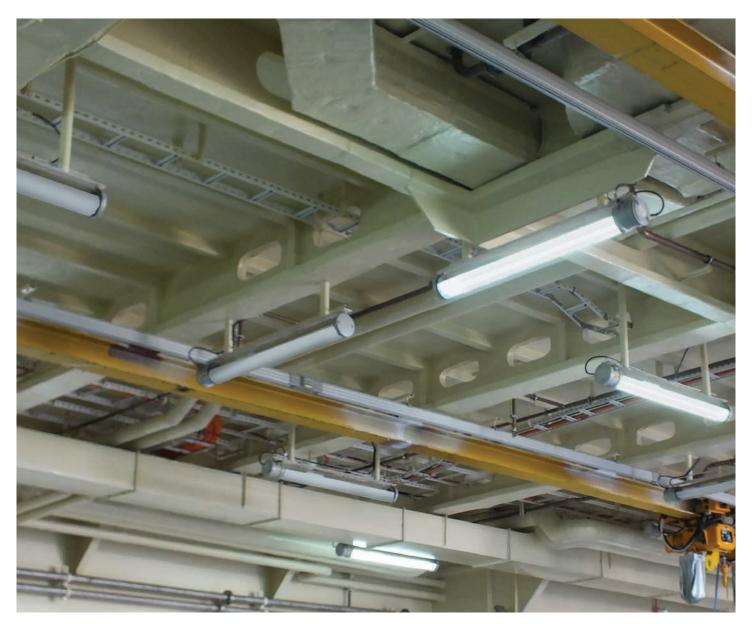
Installation: Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts) Classification: Group II - Category 2G / 2D

Execution:

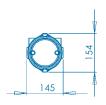
II 2 G Ex d IIC T6 Gb II 2 D Ex tb IIIC T85°C Db

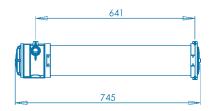


Optic diffused beam	180°
Diffuser	High thickness borosilicate glass
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Power consumption	35 W
Electric power inputs	With electronic power supply inside the fixture.
Wiring	Two cable glands for line in and line out connections
Power factor	>0,9
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 Standars, compliance where applicable	IEC 60092-306; IEC 60533; EN 60598-1
EX certificate	CE INERIS 12 ATEX 0023X



Dimensions mm







GEX

Model	Item	Color temp.	Primary light Lumen	Watt	Housing Color	Electric Power inputs 50/60 Hz	Working Amb. Temperature C°	Note
GEX (1)	6852-54-001	4000 K	5.600	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.



LED GLOBE WHITE NATURAL LIGHT OR COLORED LIGHT

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

The globe is Explosion Proof if wired with (x) cable glands



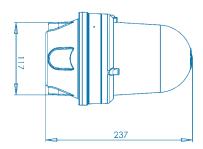


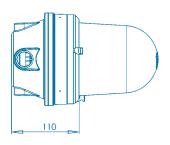
Optic diffused beam	180°
Diffuser	High thickness borosilicate glass
Color Rendering Index	CRI >85
Photobiological risk group	RG0
Electric power inputs	With electronic power supply inside the fixture
Wiring	Two cable glands for line in and line out connections
Power factor	>0,9
Insulation	Class 1
IP rate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



Dimensions mm







GLO

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

(1) Not included two plastic cable glands to be ordered separately,

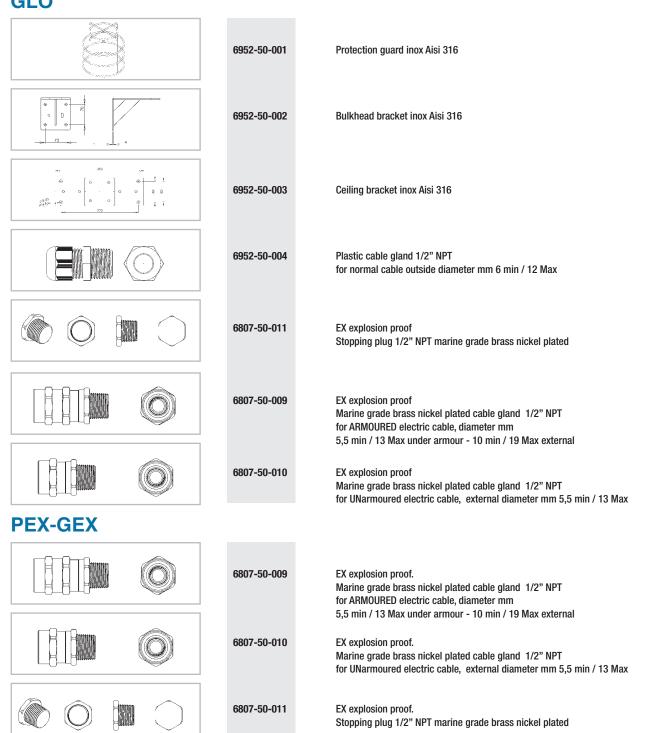
The last fixture on the line require brass nickel plated stopping plug to blank off unused entry.

Protection guard inox AISI 316

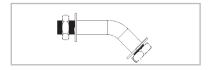
 ϵ

ACCESSORIES

GLO



STARFIX



6955-50-007

6907-59-013

Bulkhead support stainless steel AISI 316L

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

NOTE			

NOTE	

NOTE			









naval.atiled.it

Headquarter

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

Westring, 5 D-59759 ARNSBERG Germany Tel. +49 29 32 / 8 90 16 60 Fax. +49 29 32 / 8 90 16 62 www.fabasluce. com vertrieb@fabasluce.com



Company profile