



NAVY SHIPS
LED LIGHT FIXTURES

INNOVATIVE
AND FUTURE PROOF

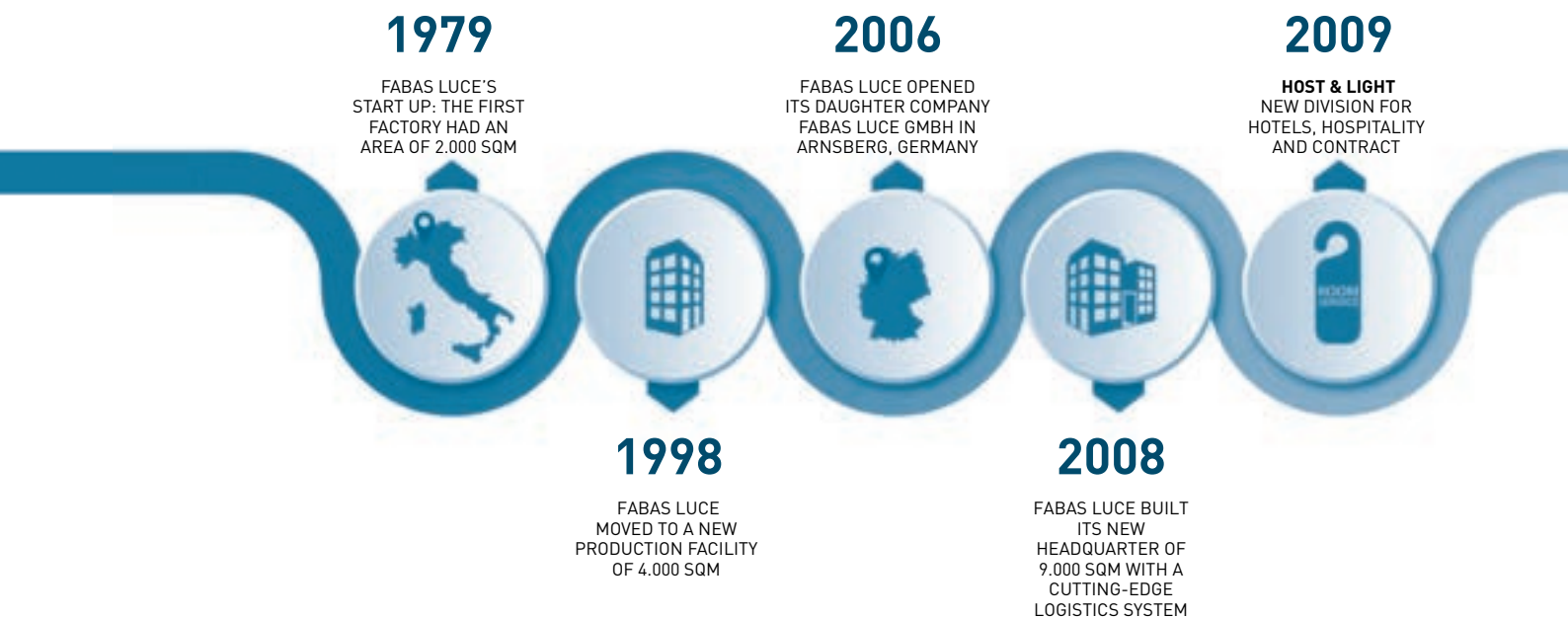
MORE THAN FORTY FIVE YEARS OF LIGHT

A STORY THAT BEGAN OVER 45 YEARS AGO.

A STORY THAT SPANS GENERATIONS. A STORY OF
TRADITION AND PASSION FOR WORK THAT STARTS
EARLY IN THE MORNING AND ENDS LATE AT NIGHT.

A STORY OF CREATIVE GENIUS AND INNOVATION.

A STORY THAT ALSO INVOLVES OUR CUSTOMERS,
SUPPLIERS AND ALL THE PEOPLE WHO HAVE
CONTRIBUTED TO MAKING FABAS LUCE GROW.



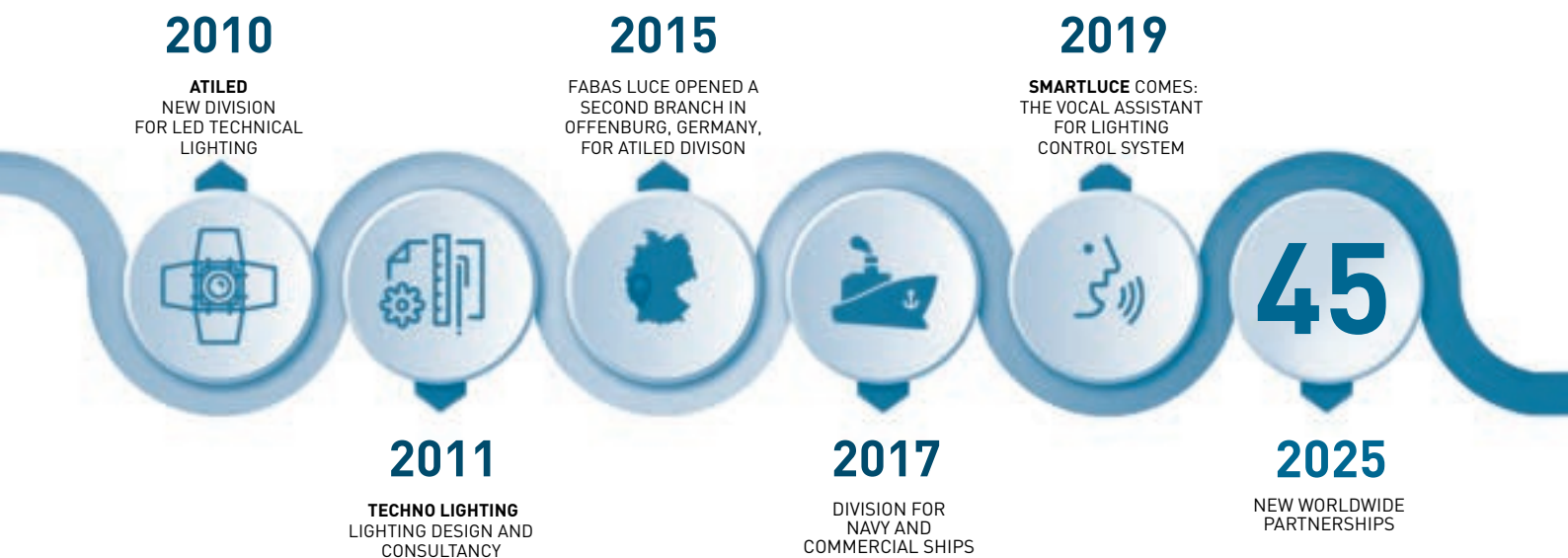
9.500 PALLETS OF
ITEMS IN THE
WAREHOUSE

9.000 SQ.M
OF COVERED
SURFACE AREA

620.000 ITEMS
DELIVERED
IN 2019

OLTRE 2.500 ITEMS MANAGED

50 COUNTRIES WHERE
WE ARE PRESENT
IN THE WORLD



NAVY SHIPS LED LIGHT FIXTURES

Fabas Luce design and carefully manufacture in Italy LED light fixtures for combatant NAVY ships:
Very complete range MIL S 901 D shock proof, well proven, powerful and reliable.

- EX LED light fixture built in Explosion proof housing.
- NVG compatible, LED color available: red, white, green, blue.
- USPHS compliant LED fixtures for galley, cold and freezer rooms, laundries, decontamination station.
- Reduced Radar Cross-Section (RCS) LED fixtures for stealth ship
- EBLAN - portable - emergency LED Battle lantern with rechargeable battery.

New LED fixtures shall be soon available, these items shall be compliant to: EMC MIL 461 G,
German BV - VG standards (forecasted for the new italian NFS submarine).

For all of our LED luminaires we ensure at least 10 years availability of compliant replaceable parts
respecting the 3F criteria = Fit - Form - Function.

The most common LED light fixtures are usually available in stock for quick delivery









page 8



page 14



page 16



page 20



page 22



page 24



page 26



page 32



page 34



page 36



page 38



page 40



page 42



page 44



page 46



www.naval.fabasluce.it

Refer to our website <https://naval.fabasluce.it/en/navy-coast-guard> for updated LED lighting fixtures data sheets.

TVE INDOOR

Multipurpose LED light fixture for Interior ship spaces, compact and powerful.
Many variants already available for different tasks.



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

Driver

Inside the fixture.

Wiring

Through wiring with junction boxes on the fixture.

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66/67

Housing

Made of marine grade copper free aluminum, inox bolts

Fixing

Stainless steel brackets AISI 316L

Net Weight

2,5 Kg

Lifetime

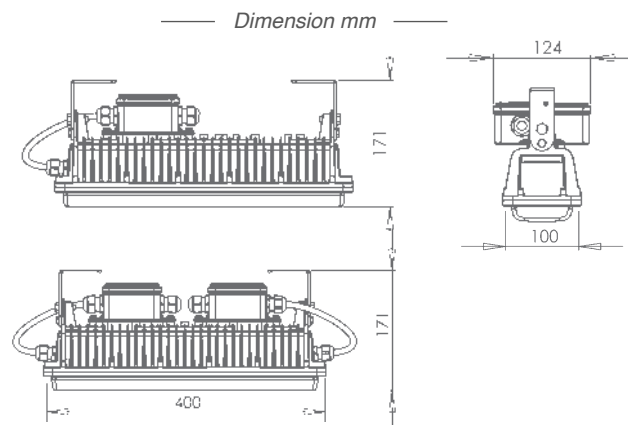
100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1

Peculiar features

Many independent lights combinations in the same housing



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-25° / + 55°C	White RAL 9010	On/Off	6.500K	From 300 to 3.250
24V DC		Grey RAL 7040	On/Off light color selection rotatory switch on fixture	4000K	
		Blue RAL 5011	Dim. 10-100 with potentiometer on fixture	3000K	
			DALI Dim. 0-100 remote control	Red	
				Blue	
				Secondary light	
				LED light color	Lumen
				4000K	From 40 to 600
				Red	
				Blue	



TVE OUTDOOR

Multipurpose LED light fixture for Exterior ship spaces, compact and powerful
Many variants already available for different tasks.



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

Driver
Inside the fixture.

Wiring
Through wiring with junction boxes on the fixture.

Power factor
>0,9

Insulation Class
Class 1

IP Rate
66/67

Housing
Made of marine grade copper free aluminum, inox bolts

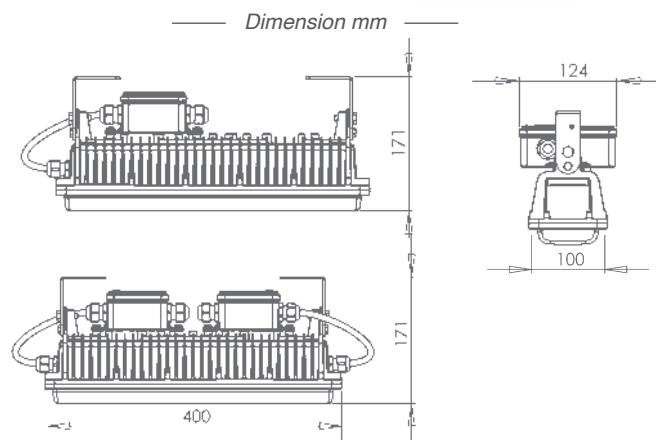
Fixing
Stainless steel brackets AISI 316L

Net Weight
2,5 Kg

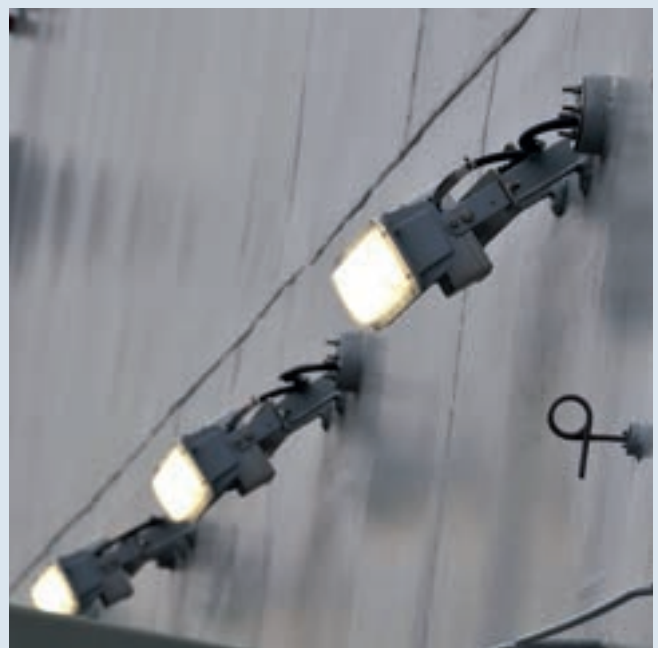
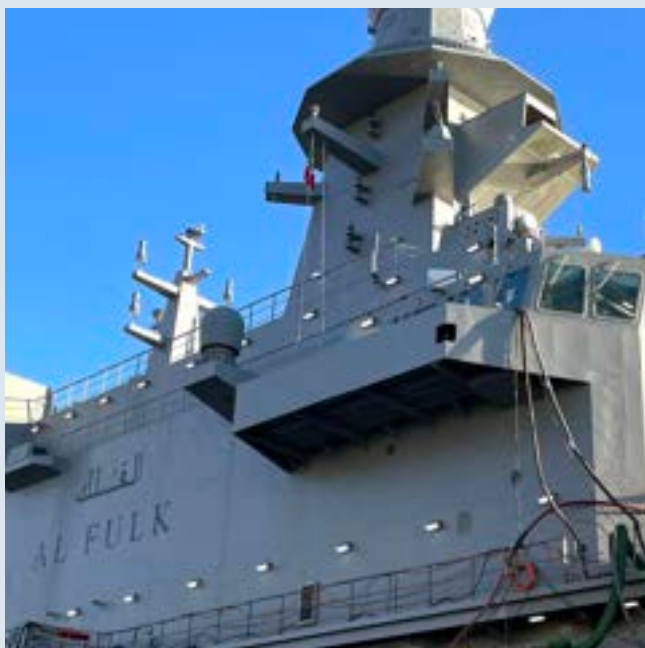
Lifetime
100.000 hours

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



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz 24V DC	-25° / + 55°C	White RAL 9010	On/Off	6.500K	From 300 to 3.250
		Grey RAL 7040	On/Off light color selection rotatory switch on fixture	4000K	
		Blue RAL 5011		3000K	
			Dim. 10-100 with potentiometer on fixture	Red	
				Blue	
			DALI Dim. 0-100 remote control		
				Secondary light	
				LED light color	Lumen
				4000K	From 40 to 600
				Red	
				Blue	



TVE NVG



NVG COMPATIBLE LED light fixture for indoor and open decks
 Compliant to “Stage 3 NVD compatible” of “NATO standard
 MPP-02 for NVG Night Vision Goggles
 NVD Night Vision Device
 NVIS Night Vision Imaging System
 Luminous flux direct from LED (no use of any filter)

Optic diffused beam

180°

Diffuser anti glare opal polycarbonate

Opal polycarbonate

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Through wiring with junction boxes on the fixture.

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66/67

Housing

Orientable made of marine grade copper free aluminum, inox bolts

Fixing

Stainless steel brackets AISI 316

Net Weight

2,5 Kg

Lifetime

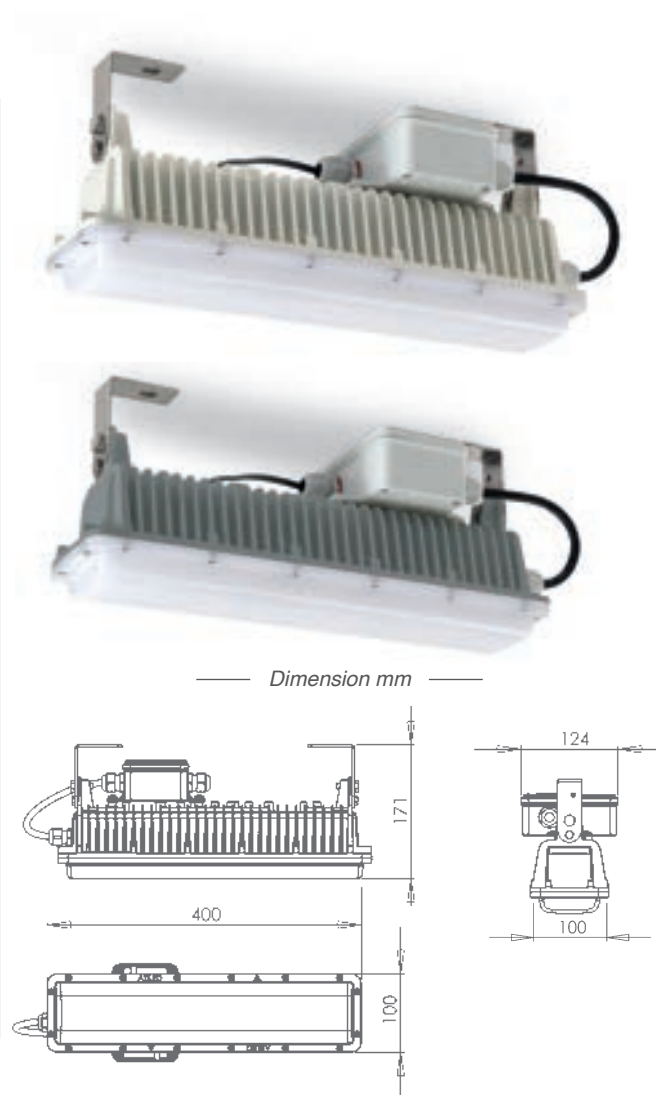
100.000 hours

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



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-25° / + 55°C	White RAL 9010	On/Off	Blue NVG	Min 220 Max 1.084
		Grey RAL 7040	Dim. with potentiometer on fixture	Red NVG	
		Blue RAL 5011	DALI Dim. 0-100 remote controle	White NVG	
				Green NVG	



POWERFUL AND COMPACT GENERAL PURPOSE LED LIGHT FIXTURE

Suitable for high ceiling spaces, engine rooms and outside areas.



Optic diffused beam

180°

Diffuser anti glare opal polycarbonate

Opal polycarbonate

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Driver

Inside the fixture

Wiring

Through wiring with junction boxes on the fixture.

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66/67

Housing

Orientable made of marine grade copper free aluminum, inox bolts

Fixing

Stainless steel brackets AISI 316

Net Weight

2,5 Kg

Lifetime

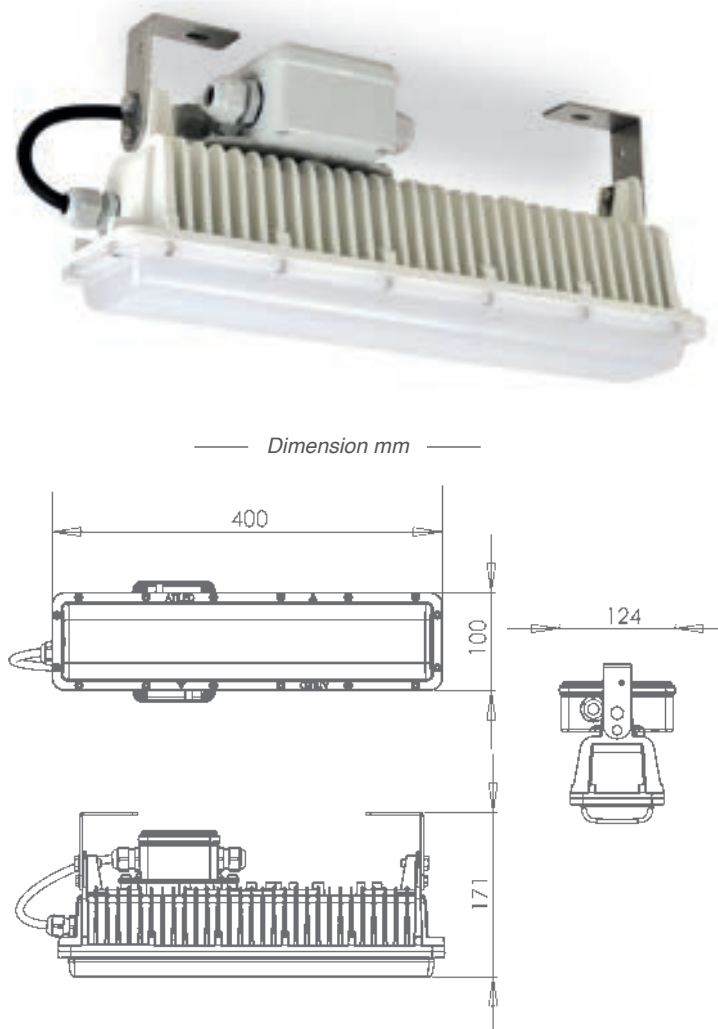
100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1

Peculiar features

TGL for outside deck is equipped with anti-condensation valve for air recirculation



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-25° / + 55°C	White RAL 9010	On/Off	4000K	5.400
		Grey RAL 7040		6500K	



STARFIX 600

COMPACT POWERFUL IP67 LED LIGHT FIXTURE
INDOOR OUTDOOR AND OPEN DECKS

Housing material

Pre-hot dip galvanized steel or stainless steel AISI 316L

Optic diffused beam

180°

Diffuser anti glare opal polycarbonate

Flame rating V-0 (UL 94 test), UV resistant

Color Rendering Index

CRI 90 (min.) 92 (typ.)

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Through wiring.

Power factor

>0,95

Insulation Class

Class 1

IP Rate

66/67

Mounting

M8 treaded pin whit nut on preinstalled bushing all stainless steel AISI 316L

Net Weight

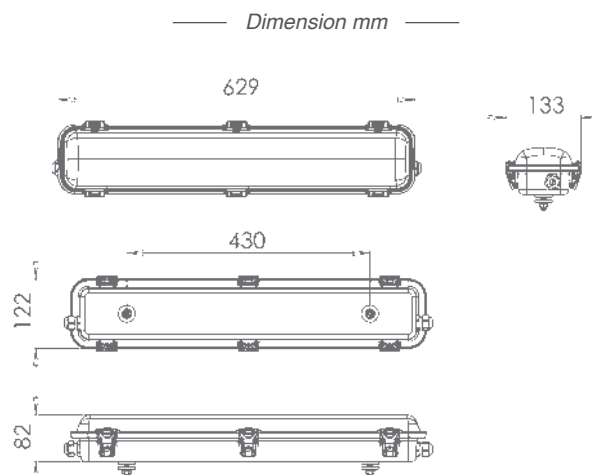
2,5 Kg

Lifetime

100.000 hours

International Standards, compliance where applicable

EN 60598-1; EN 60598-2-1; Lloyd's Register; 2020 + notice 2021; EN 62471 + TR62778; EN IEC 63000 2018



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light LED light color	Lumen
120/277 V AC 50/60Hz	-25° / + 55°C	White RAL 9016	On/Off	4000K	Min 3.065 Max 12.730



STARFIX 1200

COMPACT POWERFUL IP67 LED LIGHT FIXTURE
INDOOR OUTDOOR AND OPEN DECKS

Housing material

Pre-hot dip galvanized steel or stainless steel AISI 316L

Optic diffused beam

180°

Diffuser anti glare opal polycarbonate

Flame rating V-0 (UL 94 test), UV resistant

Color Rendering Index

CRI 90 (min.) 92 (typ.)

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Through wiring.

Power factor

>0,95

Insulation Class

Class 1

IP Rate

66/67

Mounting

M8 threaded pin whit nut on preinstalled bushing all stainless steel AISI 316L

Net Weight

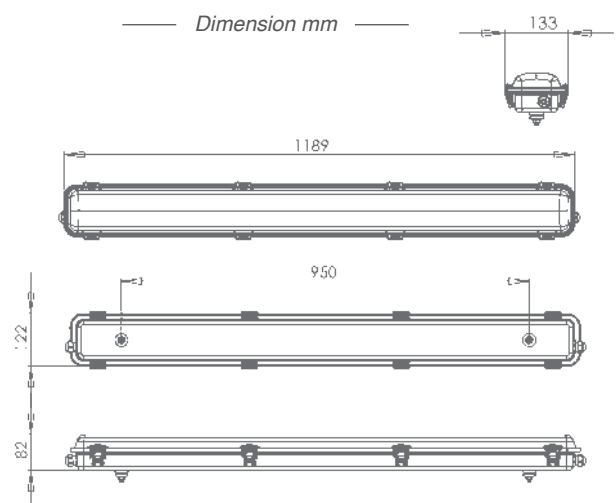
2,5 Kg

Lifetime

100.000 hours

International Standards, compliance where applicable

EN 60598-1; EN 60598-2-1; Lloyd's Register; 2020 + notice 2021;
EN 62471 + TR62778; EN IEC 63000 2018



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light LED light color	Lumen
120/277 V AC 50/60Hz	-25° / + 55°C	White RAL 9016	On/Off	4000K	Min 3.065 Max 12.730



GALCOR

LED LIGHT FIXTURE INOX USPHS COMPLIANT

Suitable for Galley, 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

Color Rendering Index

CRI 85

Driver

Inside on the fixture

Wiring

Through wiring inside fixture

Power factor

>0,9

Insulation Class

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

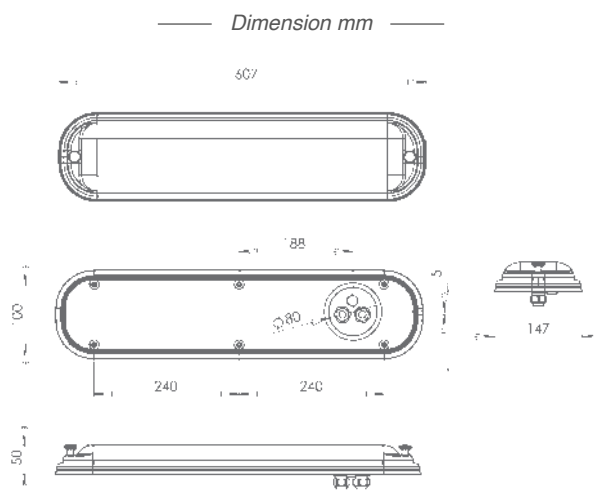
2 Kg

Lifetime

100.000 hours

International Standards

USPHS compliant



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240 V AC 50/60Hz	-43° / + 45°	White Opal PC	On/Off	4000K	Min 3.992 Max 6.375
				3000K	
24V DC				Red	



TOR 50

HIGH EFFICIENCY 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



Optic

21° 45° 65°

Diffuser

Clear polycarbonate

Color Rendering Index

CRI >70

Driver

Inside on the fixture

Wiring

Through wiring junction box in the fixture back side

Power factor

>0,9

Insulation Class

Class 1

IP rate

66/67

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

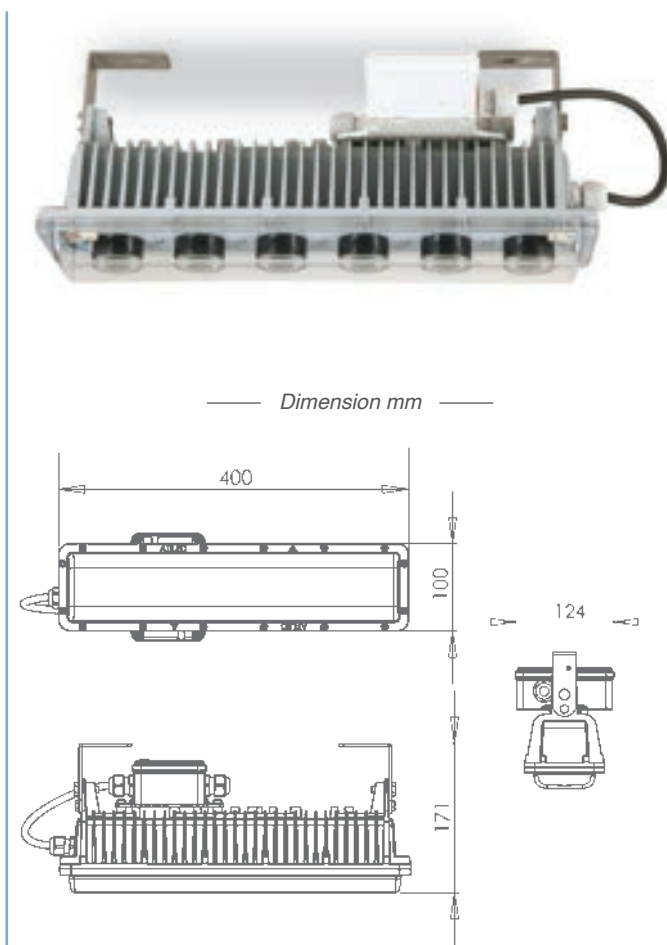
2,6 Kg

Lifetime

100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-40° / + 55°C	White RAL 9016	On/Off	4000K	Min 52 Max 6.500
		Grey RAL 7040		Red	



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



Optic

26° 54° 90°

Diffuser

Clear tempered glass

Color Rendering Index

CRI >70

Driver

With electronic power supply on the fixture

Wiring

Power line connection with junction box or IP68 connector

Power factor

>0,9

Insulation Class

Class 1

IP rate

66/67

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

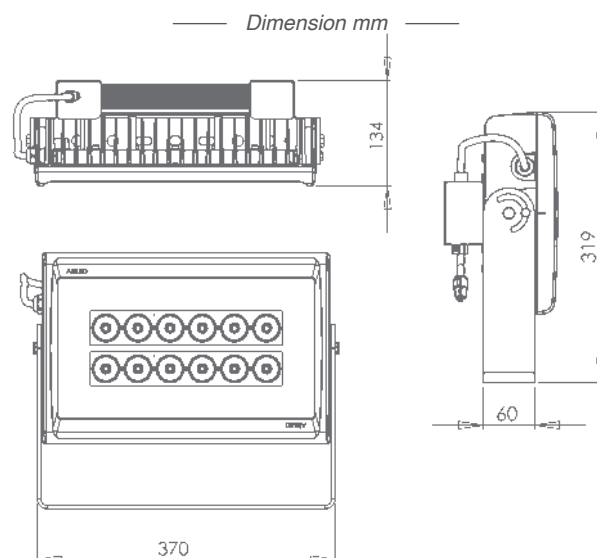
8,5 Kg

Lifetime

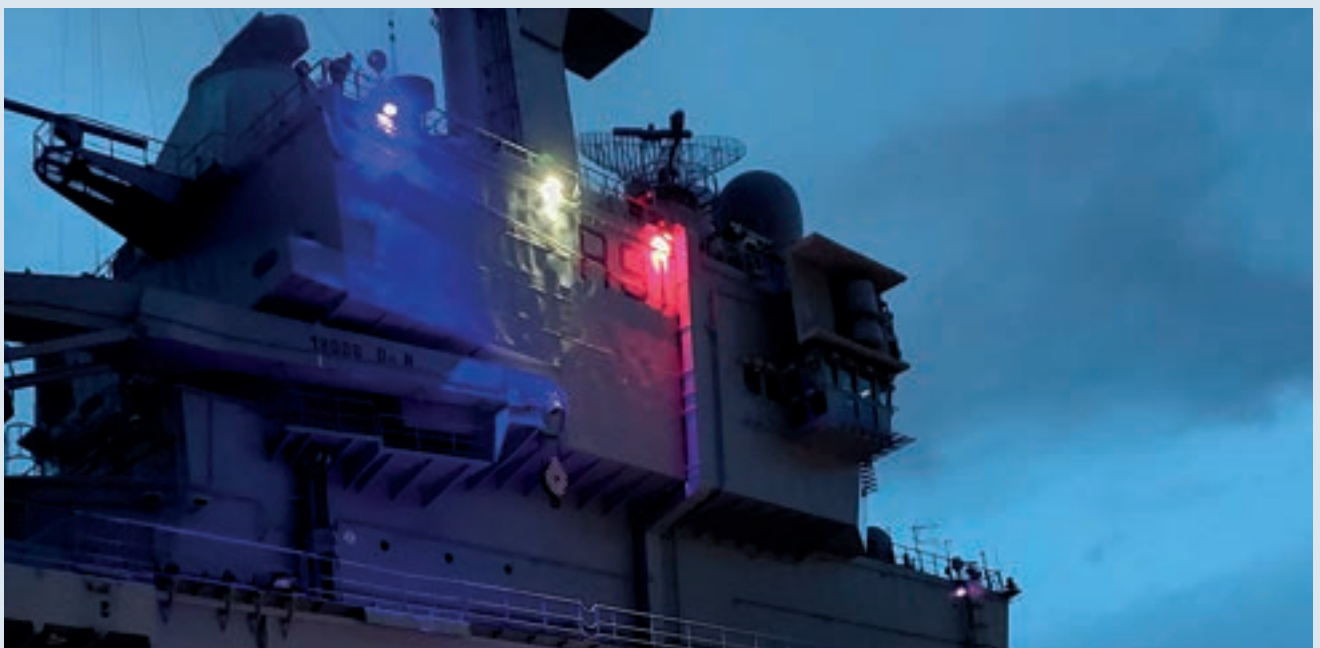
100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
100/240V AC 50/60Hz	-40° / + 55°C	White RAL 9016 Grey RAL 7040	On/Off	LED light color	Lumen
				5700K	Min 6.250 Max 18.216
				4000K	
				3000K	
				Red	
				Green	
				Blue	



PEX

Compact EX explosion proof LED light fixture
for Gases and Dusts hazardous areas - indoor
and open decks



Optic diffused beam

120°

Diffuser

High thickness borosilicate glass

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Two cable glands for Through wiring connections

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66

Housing

Made of marine grade copper free aluminum, inox bolts

Fixing

Aluminum brackets

Net Weight

8 Kg

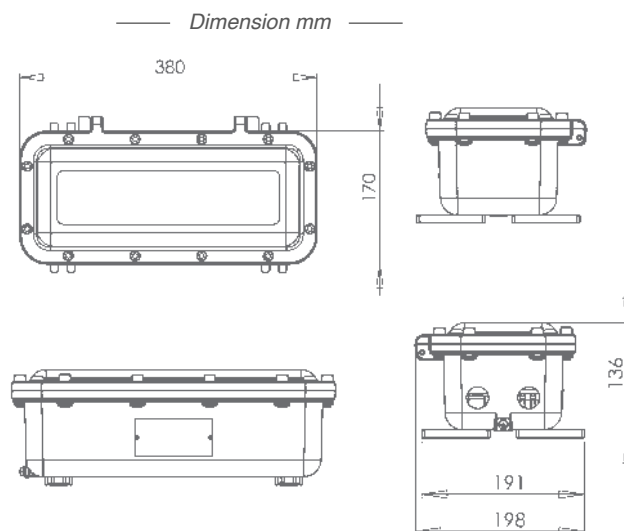
Lifetime

100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1

CE INERIS 15 ATEX 0024X



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-40° / + 55°C	White RAL 9010	On/Off	4000K	Min 52 - Max 3000
24 VDC		Grey RAL 7040	DALI Dim. 0-100 remote controle	Red	
			Dim. 10-100 with potenziom. on external box	Blu	



PEX DOUBLE LIGHTS

Two independent LED lights in the same compact EX explosion proof LED light fixture for Gases and Dusts hazardous areas - indoor and open decks



Optic diffused beam

120°

Diffuser anti glare opal polycarbonate

High thickness borosilicate glass

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Four cable glands for Through wiring connections

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66

Housing

Made of marine grade copper free aluminum, inox bolts

Fixing

Aluminum brackets

Net Weight

8 Kg

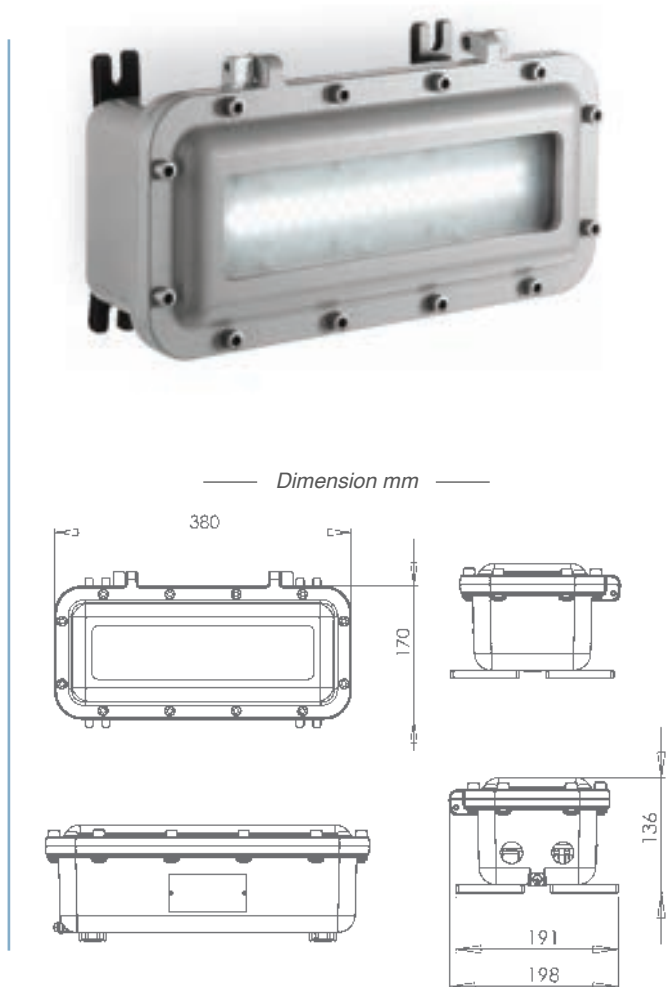
Lifetime

100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1

CE INERIS 15 ATEX 0024X



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light		
				LED light color	Lumen	
100/240V AC 50/60Hz	-40° / + 55°C	White RAL 9010	On/Off	4000K	Min 52 - Max 3000	
		Grey RAL 7040				
				Secondary Light		
				LED light color	Lumen	
				4000K	Min 52 - Max 3000	
				Red		



PEX NVG

EX explosion proof NVG COMPATIBLE LED light fixture for Gases and Dusts hazardous areas - indoor and open decks
Compliant to "Stage 3 NVD compatible" of "NATO standard MPP-02 for NVG Night Vision Goggles NVD Night Vision Device NVIS Night Vision Imaging System Luminous flux direct from LED (no use of any filter)



Optic diffused beam
120°

Diffuser
High thickness borosilicate glass

Color Rendering Index
CRI >85

Photobiological risk group
RG0

Driver
Inside the fixture.

Wiring
Two cable glands for Through wiring connections

Power factor
>0,9

Insulation Class
Class 1

IP Rate
66

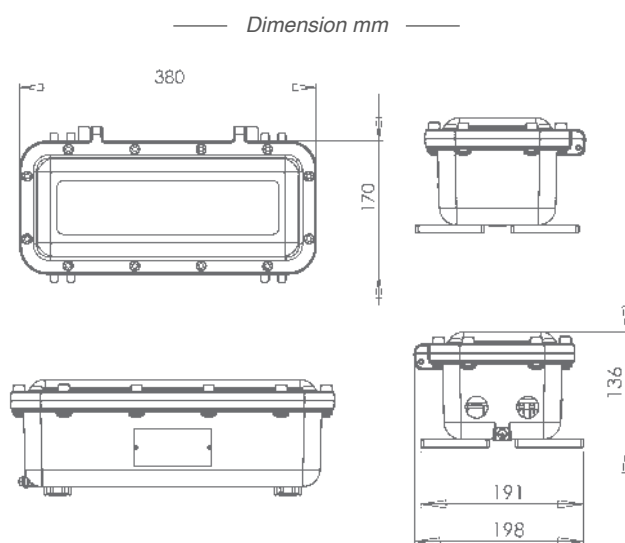
Housing
Made of marine grade copper free aluminum, inox bolts

Fixing
Aluminum brackets

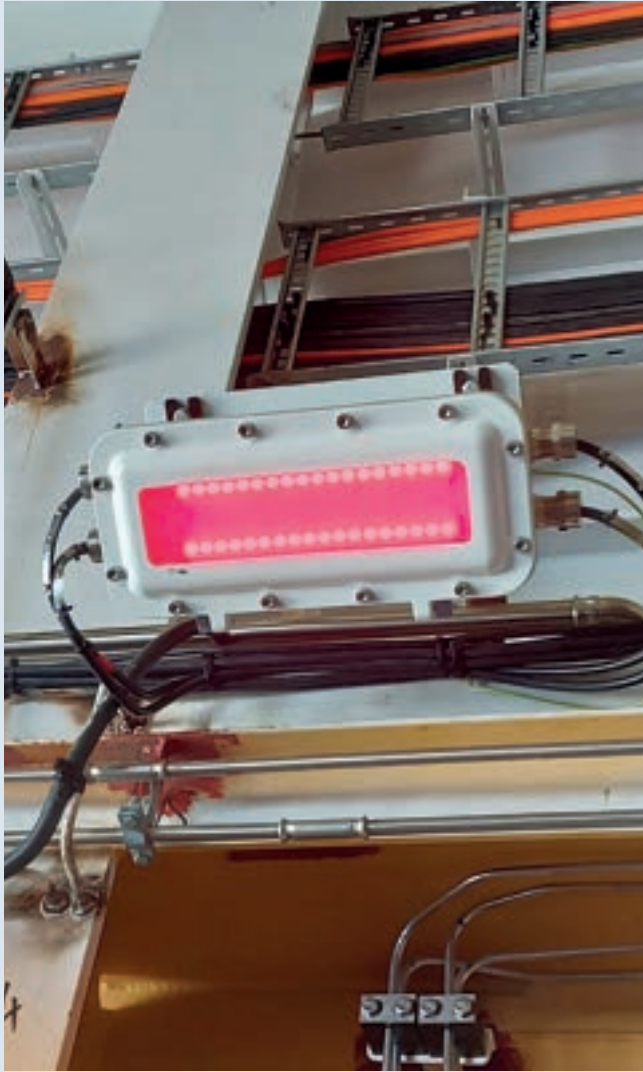
Net Weight
8 Kg

Lifetime
100.000 hours

International Standards, compliance where applicable
IEC 60092-306; IEC 60533; EN 60598-1
CE INERIS 15 ATEX 0024X



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-40° / + 55°C	White RAL 9010 Gray RAL 7040	DALI Dim. 0-100 remote controle On/Off	Red NVG	Min 52 - Max 1454
				White NVG	
				Green NVG	
				Blue NVG	



GEX

Powerful EX explosion proof LED light fixture
for Gases and Dusts hazardous areas
indoor and open decks



Optic diffused beam

180°

Diffuser

High thickness borosilicate glass

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Driver

Inside the fixture.

Wiring

Two cable glands for Through wiring connections

Power factor

>0,9

Insulation Class

Class 1

IP Rate

66

Housing

Made of marine grade copper free aluminum, inox bolts

Fixing

Stainless steel brackets AISI 316L

Net Weight

8 Kg

Lifetime

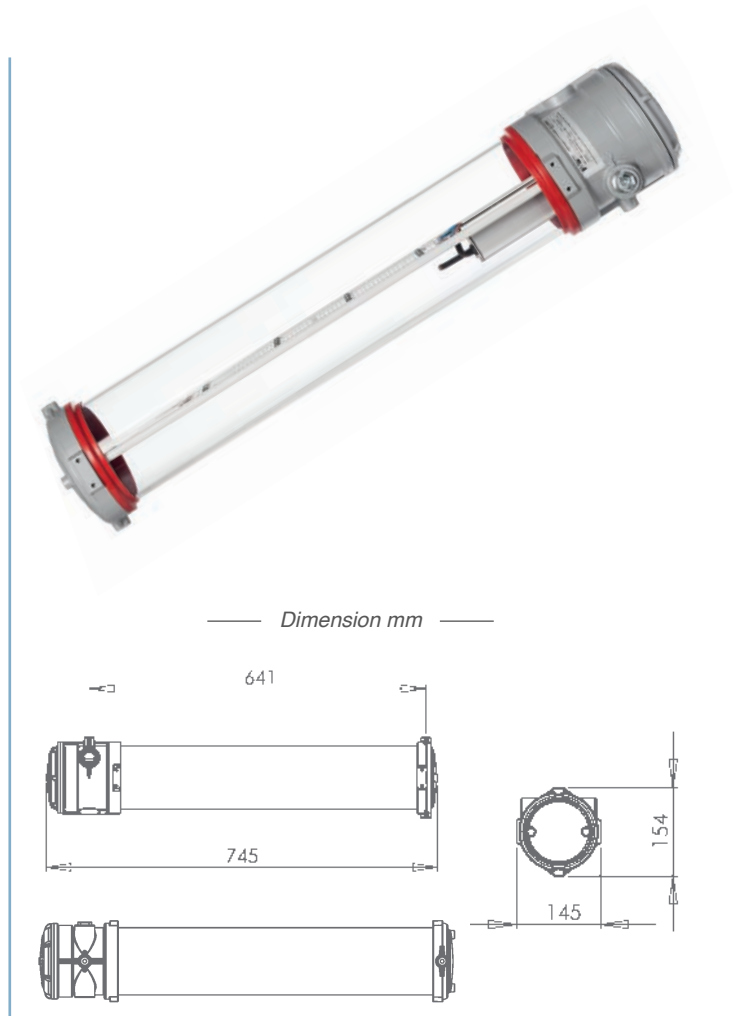
100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1

EX certificate

CE INERIS 12 ATEX 0023X



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-25° / + 55°C	White RAL 9010	On/Off	4000K	5.000



PSAR

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

Class II

IP Rate

44

Housing

Aluminum.

Fixing

With 3 screws and / or springs

Net Weight

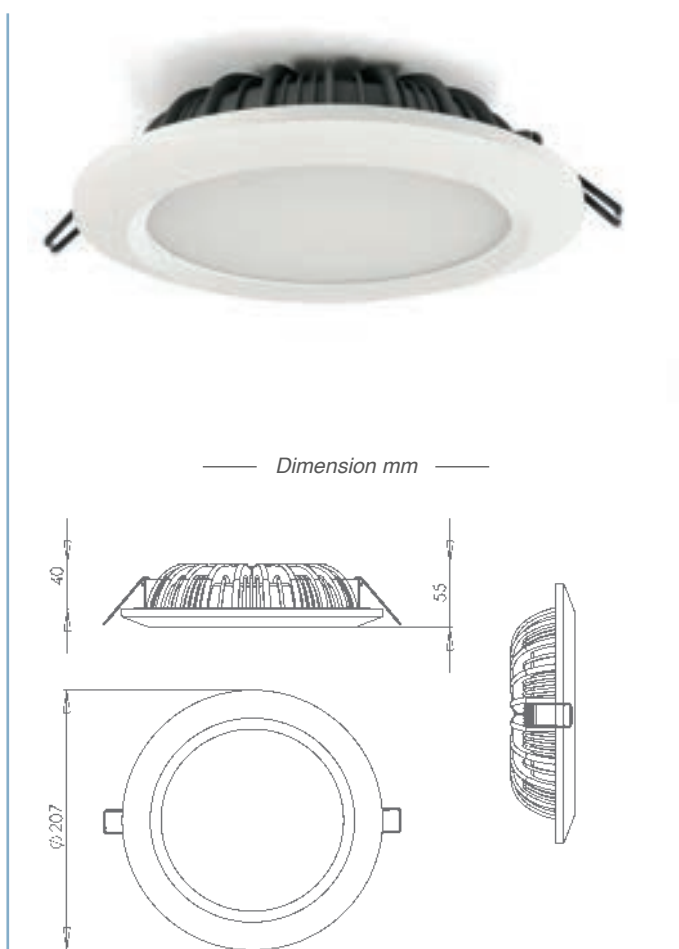
0,7 Kg

Lifetime

100.000 hours

International Standard

EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-40° / + 55°C	White Blue RAL 5011	On/Off DALI e Dim. 0-100 remote controle	4000K	Min 52 Max 2.780
				3000K	
				Red	
				Blue	



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 with 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

Class III

IP Rate

67

Working ambient temperatures

-20 / +55 °C

Net Weight

1 Kg

Lantern wall mounting bracket with power unit box

Driver

100 / 240 V AC 50 / 60 Hz

Insulation Class

Class 1

Working ambient temperatures

-20 / +55 °C

IP rate

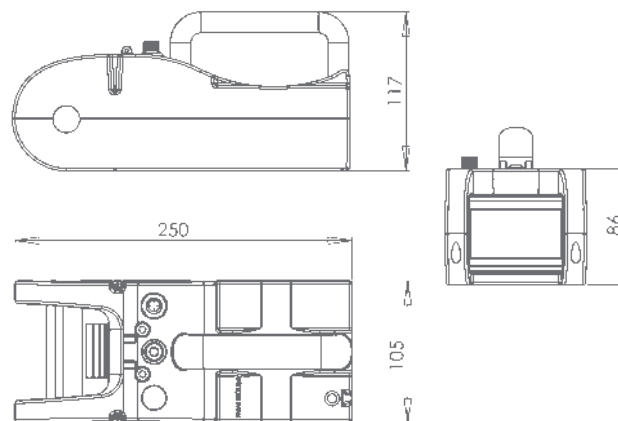
67

Net Weight

1 Kg



Dimension mm



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
100/240 V AC 50/60Hz	-20° / + 55°C	Red	On/Off	LED light color	Lumen
				5700K	Max 396
				Red	
24V DC				Green	



GLO

LED globe white or colored light indoor and open decks
Models: normal or EX explosion proof for Gases
and Dusts hazardous areas



Optic diffused beam
360°

Diffuser
High thickness borosilicate glass

Color Rendering Index
CRI >85

Photobiological risk group
RG0

Driver
Inside the fixture

Wiring
Two cable glands for Through wiring connections

Power factor
>0,9

Insulation Class
Class 1

IP rate
66

Fixing
Wall or ceiling bracket inox AISI 316 L

Housing
Die-cast marine grade copper free aluminum

Net Weight
3 Kg

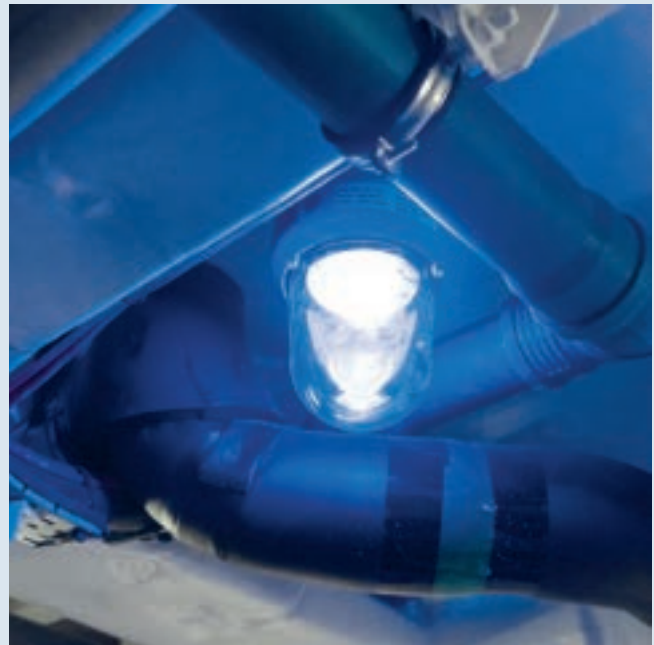
Lifetime
100.000 hours

International Standards
IEC 60092-306; IEC 60533; EN 60598-1

EX certificate where applicable
CE INERIS 01 ATEX 0054X



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
100/240V AC 50/60Hz	-25° / + 55°C	Grey RAL 7040	On/Off	4000K	Min 52 Max 820
				Red	
				Green	
				Blue	
				Orange	



SKOS

HOSPITAL AREAS, SURGERY ROOMS

Optic diffused beam

Prismatic diffuser 180° - UGR <19

Diffuser anti glare opal polycarbonate

Flame rating V-0 (UL 94 test), UV resistant

Color Rendering Index

CRI 90

Photobiological risk group

RG0

Driver

Inside the fixture.

Power factor

>0,9

Insulation Class

Class 1

IP Rate

65 - Front and rear

Housing

Metal frame - White RAL 9003

Net Weight

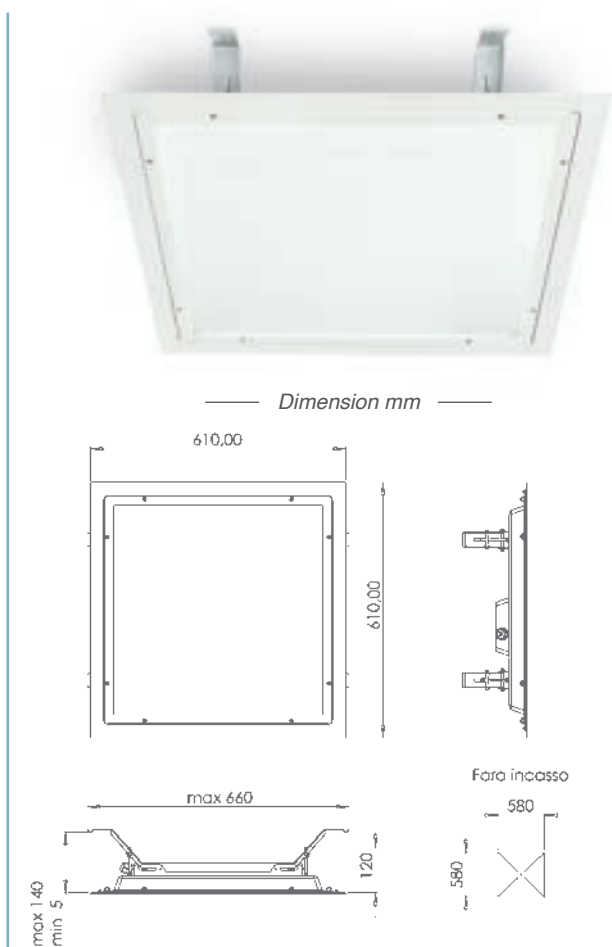
7 Kg

Lifetime

100.000 hours

International Standards, compliance where applicable

IEC 60092-306; IEC 60533; EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light LED light color	Lumen
220/240 V AC 50/60Hz	-20° / + 55°C	White RAL 9003	On/Off DALI	4000K	Min 4.222 Max 5.861





Optic diffused beam
120°

Diffuser
Opal polycarbonate

Color Rendering Index
CRI >85

Photobiological risk group
RG0

Electric power input
Not included external electronic power supply

Wiring
3 m cable line included

Power factor
>0,9

Insulation Class
Class III

IP rate
67/67

Housing
Anodized aluminum

Fixing
Stainless steel brackets AISI 316L

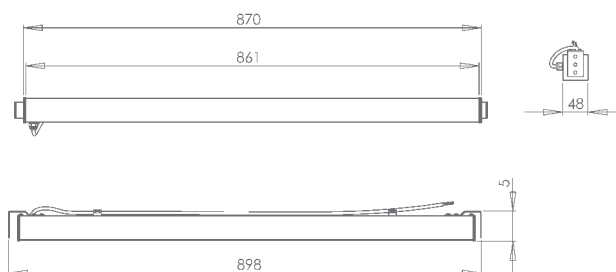
Weight, electric cable included
2,5 Kg

Lifetime
100.000 hours

International Standards
IEC 60092-306; IEC 60533; EN 60598-1



Dimension mm



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light LED light color	Lumen
24V DC	-25° / + 55°C	Grey RAL 7040	On/Off	4000K	2970 lm



CTL

BERTH LIGHTS

Recessed led fixture with integrated on/off touch dimmable control

Optic diffused beam

180°

Diffuser

Opal polycarbonate

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Electric power input

Not included external electronic power supply

Wiring

0,7m cable line included

Power factor

>0,9

Insulation Class

Class III

IP rate

20

Housing

Anodized aluminum, grey natural color

Fixing

two inox springs

Weight, electric cable included

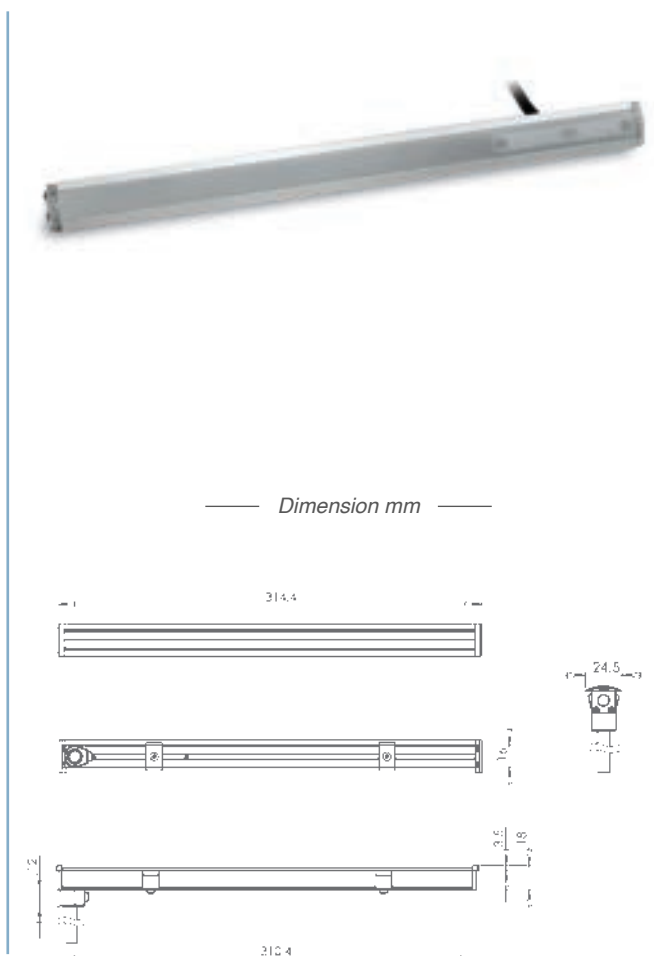
0,4 Kg

Lifetime

> 50.000

International Standards

EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
24V DC	-25° / + 45°C	Anodized aluminium	Touch Dimmer On/Off	3000K	Max 630 lm



CLS

WRITING / READING CABINET TABLE LIGHTS

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

Fixture lenght can be customized

Optic diffused beam

180°

Diffuser

Opal polycarbonate

Color Rendering Index

CRI >85

Photobiological risk group

RG0

Electric power input

Not included external electronic power supply

Wiring

0,7m cable line included

Power factor

>0,9

Insulation Class

Class III

IP rate

20

Housing

Anodized aluminum, grey natural color

Fixing

two inox springs

Weight, electric cable included

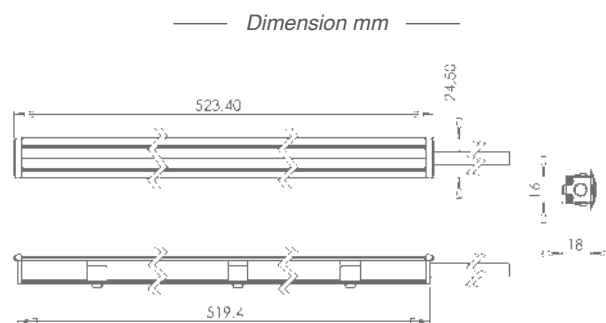
0,4 Kg

Lifetime

> 50.000

International Standars

EN 60598-1



Operation Voltage	Operating ambient temp.	Housing Color	Control System	Primary Light	
				LED light color	Lumen
24V DC	-25° / + 45°	Anodized aluminium	On/Off	4000K	Max 1580 lm
				3000	





REFERENCE LIST OF NAVY SHIPS SUPPLIED WITH OUR LED LIGHT NAVAL FIXTURES

updated February 2025

YEARS BEGINNING-END	OWNER	SHIPS N°	TYPE	NOTE
2026 - TBD	Italian Navy	2	DDX destroyer	new build
2025 - TBD	Italian Navy	2	FREMM EVO frigates	new build
2025 - TBD	Italian Navy	2	Multipurpose Combat Ship - MCS (former PPA - EVO)	new build
2025 - TBD	Italian Navy	4	Hight seas tug boat	new build
2024 - TBD	Italian Navy	4	Harbour tug boat	new build
2025 - 2027	Italian Navy	2	Auxiliary units (MTC/MTF)	new build
2025 - 2027	Italian Navy	4	Training ship	new build
2025 - TBD	Spanish Navy	5/7	F110 frigate - Bonifaz class	new build
2024 - TBD	ISPRA Italian Institute for Ambiantal Research	1	Oceanographic research vessel	new build
2025 - TBD	Italian Navy - ITN	2	HORIZON class	Complete LED refit
2025 - TBD	Italian Navy	4	U212 - NFS submarine	new build
2025 - 2027	Italian Navy	2	Submarine Sauro class - fourth batch	new build
2025 - TBD	Italian Navy	3	OPV Offshore Patrol Vessels	new build
2026 - TBD	Navies forecasted ships: France 6, Greece 4, Italy 8, Spain 6	24	EPC European Patrol Corvette	new build
2024 - 2026	Italian Navy	1	NIOM Hydro Oeanograpich Ship	new build
2024 - 2027	Italian Navy	1	SDO SuRS - Special and Diving Operations Submarine Rescue Ship	new build
2025 - TBD	Italian Navy	12	Mine hunter	new build
2024	Italian Navy	1	VEGA ship	Complete LED refit
2024	Italian Navy	1	ETNA ship - fleet tanker	Complete LED refit
2024 - TBD	Italian Coast Guard	1	UAM 90m patrol boat (2 in options)	new build
2023	Marine Nationale (France)	1	Commandant Blaison - aviso Direction Service Soutien de la Flotte	Complete LED refit
2023	Slovenian Navy	1	Triglav	Complete LED refit
2022	Italian Navy	2	FREMM frigates	new build
2022 - TBD	6 Belgium, 6 Holland, 6 France	18	MCMV Mine Counter Measures Vessel	new build
2022	Qatari Navy	1	LPD Landing Platform Dock	new build
2022	Italian Navy	1	Sail training school nave Palinuro	new build
2022 - 2029	Marine Nationale (France)	4	Ravitailleurs de Forces (BRF) - Chantier de L'Atlantique	new build
2022	Italian Coast Guard	1	CORSI ship	
2021 - TBD	Guardia di Finanza (sea police)	7	CPV Coastal Patrol Vessel 44m	new build
2021	Italian Navy	1	LHD Landing Helicopter Dock "Trieste" ship	new build
2020 - 2025	Italian Navy	1	Air carrier "Cavour" ship	Complete LED refit
2019 - 2024	Italian Navy	4	Submarine U212	Complete LED refit
2019 - 2021	Qatari Navy	2	OPV Offshore Patrol Vessel	new build
2019 - 2022	Qatari Navy	4	Multimission corvette	new build
2018 - 2025	Italian Navy	5	Multiporpose Combat Ship - MCS (former PPA)	new build
-	Indonesian Navy	2	Multiporpose Combat Ship - MCS (former PPA)	new build
2017	Italian Navy	1	sail training school ship "Palinuro"	Complete LED refit
2018 - 2020	Italian Navy	2	UNPAV high speed navy special forces patrol vessels 44m	new build
2017 - 2024	Italian Navy	3	LSS Logistic Support Ship "Vulcano"	new build
2016	Venezuelan Navy	1	U 209 submarine	Complete LED refit
2016	Italian Navy	1	Sail training school ship "Amerigo Vespucci"	Complete LED refit
2015 - 2021	Algerian Naval Force	3	Mine hunter	new build
2014	Algerian Naval Force	1	LPD Landing Platform Dock	new build

NOTE

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NOTE

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