



Marine

Thanks to the knowledge acquired in more than one hundred years of experience on military and submarine ships, oil platforms and cruise ships, Palazzoli is now able to offer a range of products whose technology meets all the requirements of the industry. The light fixtures are available in the stainless steel version for exteriors or in galvanized steel for interiors, they are resistant to corrosion thanks to the button fastening that replace the welds and guarantee high performance over time thanks to the materials used.



Technical rooms

Kitchens and pantries

External shipboard areas



YUMA-NAVE page 278



RINO-NAVE page 283



RINO-COOK page 286



YUMA-NAVE page 278



RINO-NAVE page 283



RINO-NAVE 460 page 287



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NAVE E27 page 290



NAVE E27 page 290



Cruise ships

Ferries
and offshore platforms

Military and cargo ships



YUMA-NAVE page 278



RINO-NAVE page 283



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RINO-NAVE page 283



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NAVE E27 page 290



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NAVE E27 page 290





Ceiling lights

Technical rooms
Kitchens and Pantries
External shipboard areas
Cruise Ships - Ferries
Military ships - Cargo ships
Offshore platforms



YUMA-NAVE

from 3200 lm to 12250 lm
Page 278



RINO-NAVE

from 2200 lm to 4800 lm
Page 283



RINO-COOK

from 2400 lm to 4800 lm
Page 286



RINO-FANALE

1000 lm
Page 288

YUMA-NAVE



WARRANTY
UP TO 4 YEARS



DIRECTIVES

2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

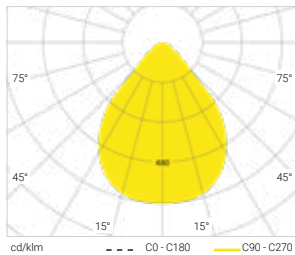
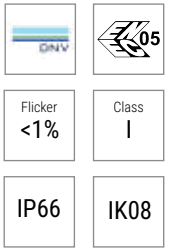
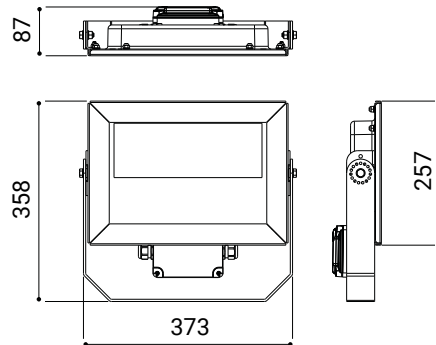
PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	AISI 316L stainless steel
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	White RAL 9016
Diffuser material	Extra-clear tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK08 as per IEC/EN 62262
Corrosion class	C5-H (ISO 9223)
Mounting system	"U" bracket with adjustment
Ambient operating temperature	-40 °C - +50 °C
Ambient storage temperature	-40 °C - +70 °C
Actual efficacy of the device	Up to 128 lm/W
Colour temperature	4000 K
Optics features	Non-ageing UV-resistant PMMA lenses with efficiency >90% and transparency >95%
Colour rendering index values	CRI ≥ 90 as per EN 62717
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 @ 110,000h Tq=+50 °C L90 B10 @ 230,000h Tq=+25 °C
Insulation class	I
Supply voltage	220-240V 50/60 Hz
Surge protection	10 kV common mode and 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0,95
Type of power supply	Junction box with cable gland M20
Max. conductor cross-section	4 mm ²
Inlet cable diameter	7 ÷ 13 mm

Special versions can be made with asymmetric optics and with colour temperatures from 3000 K to 6500 K.

YUMA-NAVE floodlight | S size



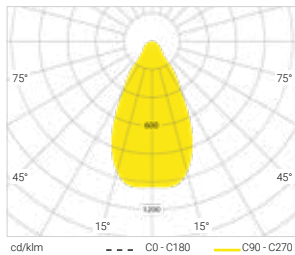
Symmetrical 81° extra wide beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (kg)	Code
12	25	3840	3200	Glass	128	On-off	5,00	809114
12	49	7350	6125	Glass	125	On-off	5,00	809124



Symmetrical 55° medium beam optics

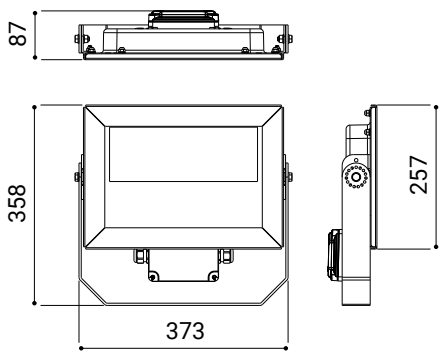
Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (kg)	Code
12	25	3840	3200	Glass	128	On-off	5,00	809116
12	49	7350	6125	Glass	125	On-off	5,00	809126

YUMA-NAVE floodlight | S size

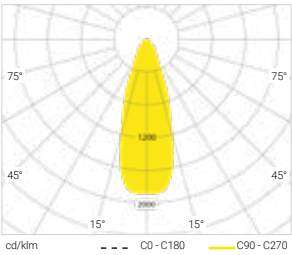


Flicker
<1%

Class
I

IP66

IK08



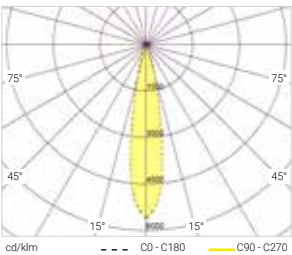
Symmetrical 36° narrow beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	25	3840	3200	Glass	128	On-off	5,00	809111
12	49	7350	6125	Glass	125	On-off	5,00	809121

AISI 316L stainless steel

+ 50°C
- 40°C



Symmetrical 15° narrow beam optics

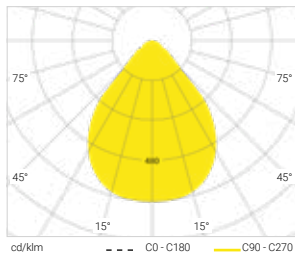
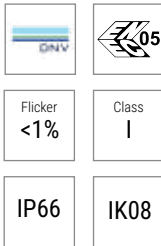
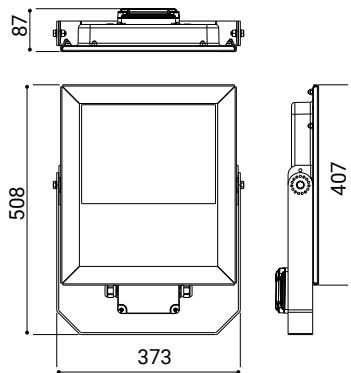
Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
12	25	3840	3200	Glass	128	On-off	5,00	809119
12	49	7350	6125	Glass	125	On-off	5,00	809129

AISI 316L stainless steel

+ 50°C
- 40°C

YUMA-NAVE floodlight | M size



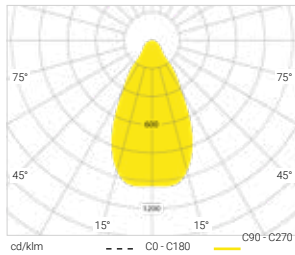
Symmetrical 81° extra wide beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	74	11100	9250	Glass	125	On-off	6,00	809234
24	98	14700	12250	Glass	125	On-off	6,00	809244



Symmetrical 55° medium beam optics

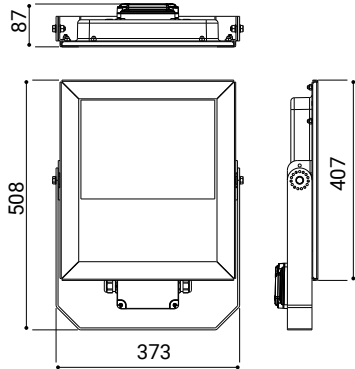
Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	74	11100	9250	Glass	125	On-off	6,00	809236
24	98	14700	12250	Glass	125	On-off	6,00	809246

YUMA-NAVE floodlight | M size

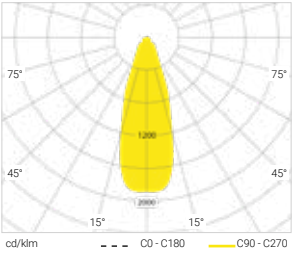


Flicker
<1%

Class
I

IP66

IK08



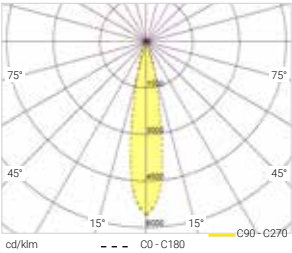
Symmetrical 36° narrow beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel

+ 50°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	74	11100	9250	Glass	125	On-off	6,00	809231
24	98	14700	12250	Glass	125	On-off	6,00	809241



Symmetrical 15° narrow beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

AISI 316L stainless steel

+ 50°C
- 40°C

LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
24	74	11100	9250	Glass	125	On-off	6,00	809239
24	98	14700	12250	Glass	125	On-off	6,00	809249

RINO-NAVE



WARRANTY
UP TO 4 YEARS



DIRECTIVES

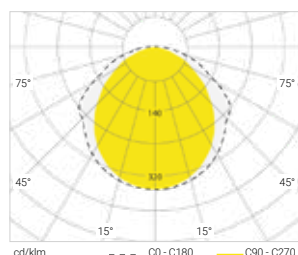
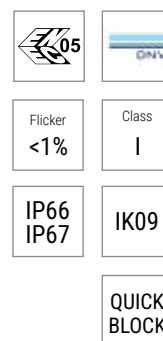
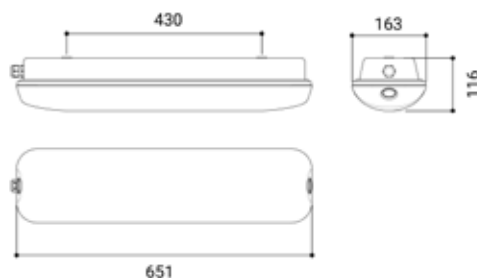
2014/30/EU (EMC)
2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC TR 62778
EN 63000

Body material	Painted AISI 316L stainless steel Painted galvanized steel
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	RAL 9016
Diffuser material	Transparent and opaline polycarbonate
Protection rating	IP66/IP67 as per IEC 60598-1
Impact resistance	IK09 as per IEC 62262
Corrosion class	C5-H AISI 304 stainless steel (ISO 9223)
Mounting system	Predisposition with No. 2 M8 threaded holes
Ambient operational temperature	-25 °C - +50 °C 0 °C - +35 °C (Emergency versions)
Ambient storage temperature	-40°C - +70°C -30 °C - +50 °C (Emergency versions)
Actual efficacy of the device	Up to 120 lm/W
Colour temperature	4000 K
Optics features	Non-ageing UV-resistant PMMA lenses
Colour rendering index values	CRI≥90 as per EN 62717
Colour consistency	MacAdam 3-step
Photobiological risk	RG0-Exempt Group (EN 62471)
Residual flicker	<1%
Luminous flux maintenance	L80 B20 @ 90,000 h Tq=+25 °C
Emergency battery life	1h - 3h
Emergency battery charging time	24h
Insulation class	I
Supply voltage	220V-240V 0/50/60Hz
Surge protection	2 kV common and differential mode as per EN61000-4-5
Power factor	>0,90
Type of power supply	Spring terminals and cable gland M20
Max. conductor cross-section	2,5 mm²
Inlet cable diameter	7÷15 mm

RINO-NAVE | 650 mm



Symmetrical 110° extra wide beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
No. 2 cable glands and No. 1 nickel-plated brass cap. Disconnecter to allow safe opening.
The stated flux and power values may be subject to a +/- 7% tolerance.

Painted galvanized steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
84	20	2640	2200	Opaline polycarbonate	110	On-off	2,90	841341
192	40	5280	4400	Opaline polycarbonate	110	On-off	3,00	841342
84	20	2880	2400	Transparent polycarbonate	120	On-off	2,90	849341
192	40	5760	4800	Transparent polycarbonate	120	On-off	3,00	849342

Painted galvanized steel
Emergency

84	20	2640	2200 (400 in EM)	Opaline polycarbonate	110	On-off 3h Emergency	3,90	841371
84	20	2880	2400 (400 in EM)	Transparent polycarbonate	120	On-off 3h Emergency	3,90	849371
192	40	5760	4800 (400 in EM)	Transparent polycarbonate	120	On-off 3h Emergency	3,90	849372

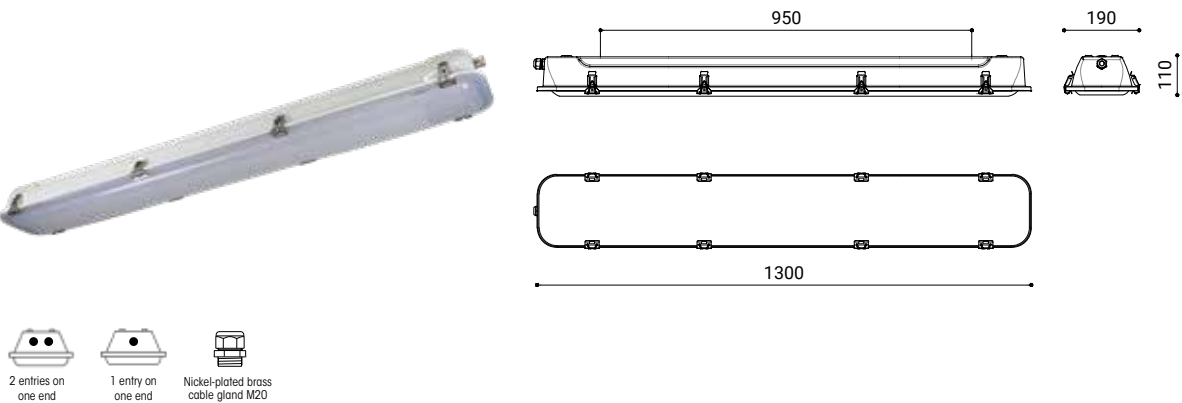
Painted AISI 316L
stainless steel

84	20	2640	2200	Opaline polycarbonate	110	On-off	2,90	878341
192	40	5280	4400	Opaline polycarbonate	110	On-off	3,00	878342

Bulkhead painted
AISI 316L stainless steel

84	20	2640	2200	Opaline polycarbonate	110	On-off	2,90	878841
192	40	5280	4400	Opaline polycarbonate	110	On-off	3,00	878842

RINO-NAVE | 1300 mm

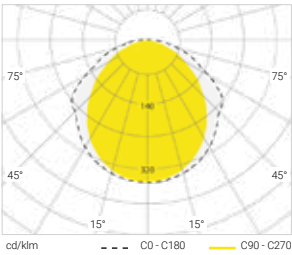


Flicker
<1%

Class
I

IP66
IP67

IK09



Symmetrical 110° extra wide beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
 No. 2 cable glands and No. 1 nickel-plated brass cap.
 The stated flux and power values may be subject to a +/- 7% tolerance.

	LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
Painted galvanized steel 	100	40	4400	3870	Opaline polycarbonate	97	On-off	5,45	841243
	100	40	4400	4244	Transparent polycarbonate	106	On-off	5,45	849243
Painted galvanized steel Emergency 	100	40	4400	3870 (400 in EM)	Opaline polycarbonate	97	On-off 3h Emergency	5,45	841273
	100	40	4400	4244 (400 in EM)	Transparent polycarbonate	106	On-off 3h Emergency	5,45	849273
Painted AISI 316L stainless steel 	100	40	4400	3870	Opaline polycarbonate	97	On-off	5,45	878243

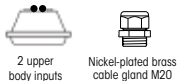
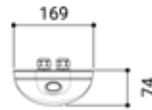
Accessories RINO-NAVE LED

Pair of supports for bulkhead installation

Material:
AISI 316L
stainless steel

Code: **820007**

RINO-COOK | 650 mm



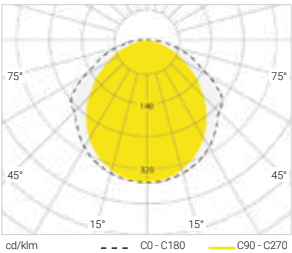
Flicker
<1%

Class
I

IP66
IP67

IK09

**QUICK
BLOCK**



Symmetrical 110° extra wide beam optics

Included: No. 2P+T terminals for input/output of the power supply line.
 No. 2 cable glands and No. 1 nickel-plated brass cap. Disconnecter to allow safe opening.
 The stated flux and power values may be subject to a +/- 7% tolerance.

Painted galvanized steel



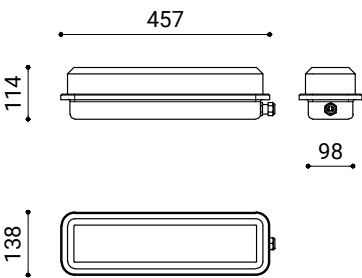
LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
84	20	2880	2400	Opaline polycarbonate	120	On-off	3,00	841641
192	40	5760	4800	Opaline polycarbonate	120	On-off	3,00	841642
84	20	2880	2400	Transparent polycarbonate	120	On-off	3,00	849641
192	40	5760	4800	Transparent polycarbonate	120	On-off	3,00	849642

Painted galvanized steel Emergency

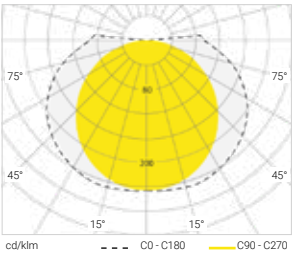


84	20	2880	2400 (400 in EM)	Opaline polycarbonate	120	On-off 3h Emergency	3,00	841671
192	40	5760	4800 (400 in EM)	Opaline polycarbonate	120	On-off 3h Emergency	3,00	841672
84	20	2880	2400 (400 in EM)	Transparent polycarbonate	120	On-off 3h Emergency	3,00	849671
192	40	5760	4800 (400 in EM)	Transparent polycarbonate	120	On-off 3h Emergency	3,00	849672

RINO-NAVE | 460 mm



Flicker <1%	Class I
IP66	IK08



Symmetrical 110° extra wide beam optics

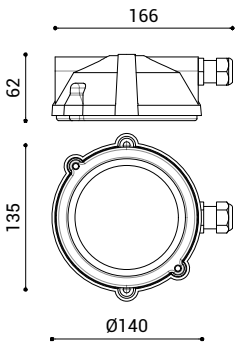
Included: No. 1 cable gland and No. 1 nickel-plated brass cap.
The stated flux and power values may be subject to a +/- 7% tolerance.

Painted galvanized steel



LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
48	21	2646	2205	Opaline polycarbonate	105	On-off	3,00	841040

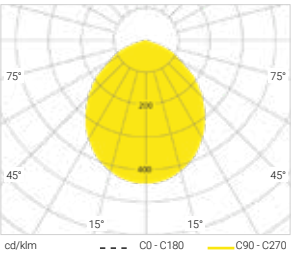
RINO-NAVE | light fixture



Class
I

IP66

IK08



Symmetrical 110° extra wide beam optics

Included: No. 1 connector.
The stated flux and power values may be subject to a +/- 7% tolerance.

	LED No.	Power (W)	Nominal flux (lm) Tj=25°C	Output flux (lm) Tq=25°C	Diffuser	Efficiency (lm/W)	Version	Weight (Kg)	Code
Die-cast aluminium	1	10	1200	1000	Glass	100	On-off	2,00	813001

+ 45°C
- 30°C

Accessories RINO-NAVE LIGHT FIXTURE

Wall mounting bracket

Material:
AISI 316L
stainless steel

Code: **813101**



Traditional

Cruise Ships

Military Ships

Ferries

Offshore platforms

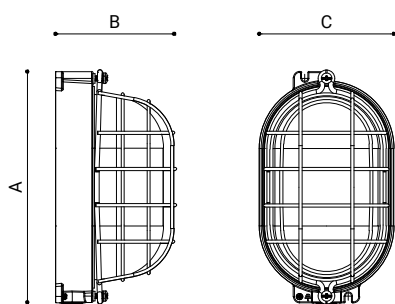
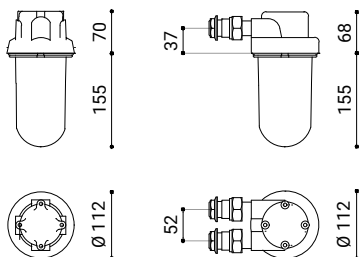
Submarines

Cargo ships



NAVE
E27

Page 290



Size	A (mm)	B (mm)	C (mm)
S	199	119	112
M	226	122	130
L	295	142	170

Body material	Brass
Surface treatment	Fluorozirconate passivation
Surface finish	Hot-polymerized non-toxic polyester paint
Colour	RAL 7035
Diffuser material	Prismatic tempered glass
Protection rating	IP66 as per IEC 60598-1
Impact resistance	IK07 as per IEC 62262
Mounting system	Prepared for wall installation
Ambient operational temperature	-40 °C - +70 °C
Ambient storage temperature	-50 °C - +80 °C
Lamp holder type	Type E27 in porcelain and type G23 in tecnopolymer
Insulation class	I
Supply voltage	230V 0/50/50Hz
Type of power supply	M20 cable gland
Max. conductor cross-section	2,5 mm ²
Entry cable diameter	7 ÷ 13 mm



DIRECTIVES

2014/35/EU (LVD)
2011/65/EU (RoHS)
2012/19/EU (RAEE)
2009/125/EC (ERP)
Reg. EU 2019/2020 (EcoDesign)

PRODUCT STANDARDS

EN 60598-1
EN 60598-2-1
EN 63000

NAVE E27



E27

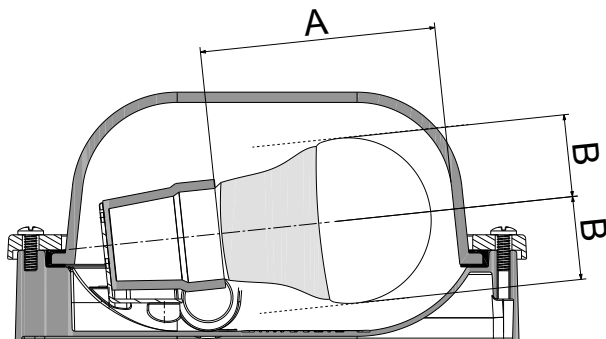
Class
I

IP66

IK07

	Size	Cable glands No.	Diffuser	Version	Weight (Kg)	Code
Brass	S	2	Glass	UNAV 2135	1,10	831089
	M	2	Glass	UNAV 2135	1,20	831189
	L	2	Glass	UNAV 2135	1,35	831289

MATCHING LIGHTS FIXTURES / E27 BULB	Size	LED (W)	Nominal flux (lm)	
			Warm White 3000K	Neutral White 4000K
	S	8,7	630	640
	M	8,7	940	960
	L	13	1200	1250



	Size	A	B
	S	90	38
	M	110	40
	L	168	43

Accessories NAVE E27

Stainless steel wire protective cage for oval light fixtures type UNAV 2135



Material	Size	Code
Stainless steel	S	831527
	M	831627
	L	831727

Swann type anti-vibration bayonet lamp holder for oval light fixtures type UNAV 2135



Material	Light fixture power (W)	Code
Brass	B22d 4A 250V	859412

NAVE marine light E27



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	No. of cable glands	Diffuser	Version	Weight (Kg)	Code
Painted brass	2 combined bulkhead	Glass	UNAV 2133	2,72	850054



	No. of cable glands	Version	Weight (Kg)	Code
Navy grey painted brass body	2 opposite	UNAV 2133	1,15	850045
	2 combined	UNAV 2134	1,15	815161



	Colour	Diffuser	Version	Weight (Kg)	Code
Diffuser	Transparent	Smooth glass	UNAV 1268	0,43	850060



	Colour	Cable gland	Version	Weight (Kg)	Code
Portable light in thermosetting material	Transparent	M20	UNAV 2137	0,97	814052

Accessories NAVE marine light E27



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Class
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Globe holder ring for cylindrical lights type UNAV 2133

	Material	Code
	Nickel-plated brass	850050

Ceiling-mounted bases for cylindrical lights type UNAV 2132, 2122, 2134

	Material	Code
	Tropicalized galvanized steel	850090

Wall-mounted bases for cylindrical lights type UNAV 2132, 2122, 2134

	Material	Code
	Tropicalized galvanized steel	850091

Swann lamp holder with fins

	Material	Code
	Brass	859400

Closing cap complete with gaskets

	Material	Code
	Brass	585490

Protective cage for cylindrical lights type UNAV 2132

	Material	Code
	Stainless steel	819022

Reflectors for cylindrical lights

	Material	Code
	Painted galvanized steel	819030