

RINO



Corrosion resistant

Thanks to the total absence of welded joints.



Vibration free

Thanks to the fixing pins and preassembled anti-vibration system.



High performance over time

Thanks to the diffuser in unbreakable polycarbonate, with V2 self-extinguishing grade, anti yellowing, stabilised against UV rays.



The RINO light fixtures for marine use have been designed to be always the optimal product irrespectively of the type of boat to be illuminated.

Versions are available for outdoor use, with body in AISI 316L stainless steel painted white and diffuser in transparent or opal polycarbonate, for indoor use, with body in white painted galvanised steel, diffuser in transparent or opal polycarbonate and for bulkheads.

The total absence of welds replaced by "buttons" guarantees the stainlessness of the light fixture and consequently an extremely long durability. The light fixtures are equipped with stainless steel fixing pins with anti-vibration system.

Stainless steel click connections guarantee perfect tightness and maximum impact resistance.

Compliance with standards	Directive 2014/35/EU EN 60598-1 EN 60598-2-1 EN 62471 EN 60598-2-22 EN 62493 IEC/TR 62778 Directive 2014/30/EU EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 Directive 2011/65/EU EN 50581
Material	Painted AISI 316L stainless steel Painted galvanised steel
Paint	Non-toxic polyester resistant to weather conditions and UV rays
Colour	White RAL 9016
Diffuser material	Transparent polycarbonate and opal polycarbonate
Protection rating (IP according to IEC/EN 60529)	IP66/IP67
Impact resistance (IK rating according to IEC/EN 62262)	IK09
LED colour temperature	4000K (on request 3000K; 6500K)
CRI	90
Fluorescent lamp holder	G5 T5
Supply voltage	180V -260V
Frequency	0-50-60Hz
Input surge protection	2 kV EN 61000
Photobiological risk	RG0
Power factor	≥ 0.9
Max conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 15 mm
Emergency battery lifetime	3h
Emergency battery charging time	24h
Insulation class	I
Estimated device lifetime	L80 B20 @50.000h Tq=-25 °C to +50 °C
Storage temperature	-40°C - +70°C
Operating temperature	-25°C - +50°C (Special solutions for low temperature applications available on request)



The photometric curves (LDT files) are available on www.palazzolilux.com

Resistance to chemical agents

WATER	SALINE SOLUTION	ACIDS		BASES		SOLVENTS			
		CONCENTRATED	DILUTED	CONCENTRATED	DILUTED	ALCOHOL	ACETONE	PERCHLORO-ETHYLENE	BENZENE
↑	↑	→	↑	↑	↑	↑	↑	↑	↑
OILS		FATS		AMMONIA	OXIDISERS	INORGANIC SALTS	GASOLINE	DETERGENTS	U.V. RAYS
MINERAL	VEGETABLE	ANIMAL	SYNTHETIC						
↑	↑	↑	↑	↑	→	↑	↑	↑	↑

Legend: ↑ high resistance → partial resistance



LED light fixtures
in **painted galvanised steel**
transparent polycarbonate
with extra wide beam optics
IP66/IP67



Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
20	690	2.200	standard	9	849141	1
40 (2x20)	690	4.400		9	849142	1
40 / 20+20	1300	4.400		9	849243	1
20	690	2.200	emergency	9	849171	1
40 (2x20)	690	4.400		9	849172	1
40 / 20+20	1300	4.400		9	849273	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
2 M8 threaded holes for fixing the accessories.

Notes: the stated values may be subject to a +/- 7% tolerance.



LED light fixtures
in **painted galvanised steel**
opal polycarbonate
with extra wide beam optics
IP66/IP67



Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
20	690	2.200	standard	9	841141	1
40 (2x20)	690	4.400		9	841142	1
40 / 20+20	1300	4.400		9	841243	1
20	690	2.200	emergency	9	841171	1
40 / 20+20	1300	4.400		9	841273	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
2 M8 threaded holes for fixing the accessories.

Notes: the stated values may be subject to a +/- 7% tolerance.



LED light fixtures
in **painted AISI 316L stainless steel**
opal polycarbonate
with extra wide beam optics
IP66/IP67



Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
20	690	2.200	standard	9	878141	1
40 (2x20)	690	4.400		9	878142	1
40 / 20+20	1300	4.400		9	878243	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
2 M8 threaded holes for fixing the accessories.

Notes: the stated values may be subject to a +/- 7% tolerance.

EMERGENCY FLUX

Rated flux (lm) Tj= 25 °C	Rated flux in emergency (lm)
2.200	962
4.400	945

Notes: the emergency flux is achieved by reducing the rated flux of the unit.

LED LIGHT FIXTURES FOR BULKHEADS



LED light fixtures
for bulkhead mounts
in **painted AISI 316L stainless steel**
opal polycarbonate
with extra wide beam optics
IP66/IP67

Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
20	690	2.200	standard	9	878741	1
40 (2x20)	690	4.400		9	878742	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.

Notes: the light fixture is completed with the code 820007.

The stated values may be subject to a +/- 7% tolerance.

Technical accessories:





Fluorescent light fixtures
in **painted galvanised steel**
transparent polycarbonate
IP66/IP67



Power (W)	Length (mm)	For tubes type	Version	Photometric curves	Palazzoli code	Pack Qty
2x14	690	T5	standard	32	849062	1
2x24	690			32	849562	1
2x28	1300			32	849462	1
1+1x14	690	T5	emergency	32	849011	1
1+1x24	690			32	849511	1
1+1x28	1300			32	849411	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
Fixing kit with screws, gaskets and washers.

Features: fluorescent tubes are not included.



Fluorescent light fixtures
in **painted AISI 316L**
stainless steel
opal polycarbonate
IP66/IP67



Power (W)	Length (mm)	For tubes type	Version	Photometric curves	Palazzoli code	Pack Qty
2x14	690	T5	standard	33	879062	1
2x24	690			33	879562	1
2x28	1300			33	879462	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
Fixing kit with screws, gaskets and washers.

Features: fluorescent tubes are not included.



Fluorescent light fixtures
in **painted galvanised steel**
opal polycarbonate
IP66/IP67



Power (W)	Length (mm)	For tubes type	Version	Photometric curves	Palazzoli code	Pack Qty
2x14	690	T5	standard	33	841062	1
2x24	690			33	841562	1
2x28	1300			33	841462	1
1+1x14	690	T5	emergency	33	841011	1
1+1x24	690			33	841511	1
1+1x28	1300			33	841411	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
Fixing kit with screws, gaskets and washers.

Features: fluorescent tubes are not included.

FLUORESCENT LIGHT FIXTURES FOR BULKHEAD



Fluorescent light fixtures
for bulkhead installation
in **painted AISI 316L**
stainless steel
opal polycarbonate
IP66/IP67

Power (W)	Length (mm)	For tubes type	Version	Photometric curves	Palazzoli code	Pack Qty
2x14	690	T5	standard	33	881062	1
2x24	690			33	881562	1

Equipment included: 2 terminal blocks 2P+ $\frac{1}{2}$ for supply line entry/exit.

Features: fluorescent tubes are not included.

Notes: the light fixture is completed with the code 820007.



Pair of stainless steel brackets
for bulkhead fixing

Manufacturing material	Palazzoli code	Pack Qty
AISI 316L stainless steel	820007	1