

Lighting catalogue 2017

Lighting solutions





SUPPORT FOR DESIGN AND INSTALLATION

Professionals specialized in the lighting engineering sector can propose solutions suitable for different installations, following customers step by step during the realization of a project, developed as a product and service, till the installation of the plant. Palazzoli, thanks to a thirty-year experience in lighting engineering and thanks to the partners of the group, offers a range of lighting fixtures suitable for different needs and installations, even the harshest such as tunnels, ships, submarines and ATEX areas.



SUPPORT FOR TRAINING AND QUALIFICATION

The company organizes training and technical updating activities, that have installers, designers and architects as main delegates. This is an opportunity that shows the intention to open up and grow also through personal meetings. The company organizes about one hundred technical meetings every year in all Europe, transmitting the know-how about the Standards in force and, consequently, evolutions and adaptations of the Palazzoli products. The warranty of the company performances is ISO 9001:2000 certified and all the products are tested by qualified technicians to guarantee the safety. Palazzoli products have got several different marks, such as Atex, IECex, Enec, Cesi, Rina.





SUPPORT FOR TECHNICAL INFORMATION

Palazzoli prides itself in understanding the needs of the customer and due to its manufacturing flexibility can tailor products to meet the customer needs.

All photometric data and technical data information for the lighting fixtures in this brochure can be found on the Palazzoli web site
www.palazzoli.com.



CESI



RINA



ATEX



IECex



QL



CERTIFIED QUALITY

Palazzoli is certified for the conformity to ISO 9001 Standards.

All the lighting fixtures are made in Italy and certified with several marks, such as ENEC, CESI, RINA, ATEX, IECex and QL (LED certificated against photobiological risk).



LED lights fixtures reduce the energy amount required to reach the same level of illumination of traditional incandescent and discharge lamps. Reducing energy use, reducing greenhouse gas emissions.



TESTED QUALITY

Lighting fixtures are assembled and wired in a dedicated strictly controlled area within the Palazzoli factory. The sensitivity of the LED technology requires the absence of electrostatic discharges, and access to the area is strictly controlled.





INDUSTRY



High bay lighting fixtures and floodlights

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LED lighting fixtures

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Fluorescent lighting fixtures

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Oval bulkhead fixtures

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Round bulkhead fixtures

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Well glass fixtures

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ATEX



Zone 1, 2, 21 and 22

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Zone 2 and 22

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Zone 2, 21 and 22

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TUNNEL



LED tunnel lighting fixture
permanent

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LED tunnel lighting fixture
reinforcing

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Fluorescent lighting fixtures

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MARINE



LED lighting fixtures

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Fluorescent lighting fixtures

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ARCHITECTURAL



Oval bulkhead fixtures

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Well glass fixtures

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Suspended fixtures

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PERFECT LIGHTING

Thanks to the circular disposition of the LEDs, the devices are always aligned.



IMMEDIATE FIXTURE REPLACEMENT

Thanks to a simple and quick system for pendant suspension.



EASY CONNECTION

Thanks to the external connector, the heart of the device is always protected, during the fixture replacement process.



HIGH THERMAL PERFORMANCE

Thanks to a high heat dissipation, the electronic devices keep the characteristics over time.



FLEXIBILITY OF INSTALLATION

Thanks to the many fixing accessories, it is suitable for any kind of surface.



PROTECTED OVER TIME

Thanks to the anticorrosion treatment, it lasts over time and can be installed in any environment.



MITO Led guarantees the lighting performance and fixture characteristics for installation in industrial, food preparation, sport centres and external areas. The die cast aluminium body is treated to prevent corrosion and the 4 mm extra clear tempered glass diffuser ensures maximum resistance to chemical substances. The polycarbonate diffuser version makes the device suitable to be installed in food industries compliant with the HACCP standards.

The different light distributions (extra wide, narrow, elliptical and asymmetrical) allow for finding the best solution for the different working applications, guaranteeing the visual comfort and best light performance.

Conformity to standards
Directive 2014/35/EU
EN 60598-1: 2015
EN 60598-2-1:1997
EN 60598-2-5: 2015
EN 60598-2-22: 2014
EN 62471: 2008
Directive 2014/30/EU
EN 62493: 2015
Directive 2011/65/EU
ENEC in progress for approval

Body material	Aluminium alloy
Surface treatment	Passivation with fluoro-zirconium
Diffuser material	Extraclear tempered glass or polycarbonate
Protection rating (IP as per IEC/EN 60529)	IP66/IP67
Painting	Hot polymerized non-toxic polyester
Colour	RAL 7011
Resistance to impacts (IK rating as per IEC/EN 62262)	IK08
Weight	9,5 Kg max
LED device efficiency	106 lm/W
LED colour temperature	4000 K
CRI	≥ 80
Insulation class	I (class II on request)
Rated voltage	200-240 V
Frequency	50-60 Hz
Protection against surge discharges	10 kV common mode 6 kV differential mode EN 61000
Power factor	≥ 0,95
Max cable section	1,5 mm²
Entry cable diameter	7-13 mm
Emergency battery lifetime	1-3 h
Emergency battery recharging time	30 h
Estimated device lifetime	L80/B20 @50.000h Ta=25 °C
Storage temperature	-40 °C - +70 °C
Operating temperature	-30 °C - +40 °C Up to +55 °C with power derating

The photometric curves (LDT files) and the latest release of MITO Led are available on www.mitoled.com

FOR INDUSTRIAL APPLICATION

NEW



High bay LED lighting fixtures
glass diffuser
 symmetrical light distribution
extra wide beam
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	16	810090	1
135	17640		16	810020	1
169	22050		16	810050	1
203	26460		16	810080	1
102	13230	emergency	16	810190	1
135	17640		16	810120	1
169	22050		16	810150	1
203	26460		16	810180	1

Characteristics: typical height of installation between 5 and 9 meters.
Equipment included: support for rapid pendant suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



High bay LED lighting fixtures
glass diffuser
 symmetrical light distribution
narrow beam
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	17	810091	1
135	17640		17	810021	1
169	22050		17	810051	1
203	26460		17	810081	1
102	13230	emergency	17	810191	1
135	17640		17	810121	1
169	22050		17	810151	1
203	26460		17	810181	1

Characteristics: typical height of installation between above 9 meters.
Equipment included: support for rapid pendant suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



High bay LED lighting fixtures
glass diffuser
 elliptical light distribution
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	18	810092	1
135	17640		18	810022	1
169	22050		18	810052	1
203	26460		18	810082	1
102	13230	emergency	18	810192	1
135	17640		18	810122	1
169	22050		18	810152	1
203	26460		18	810182	1

Characteristics: suitable to be installed between the aisles of industrial warehouses, etc.
Equipment included: support for double chain suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.



EMERGENCY In case of emergency lighting fixtures without UPS, you need:
 code 810992 for 1h or code 810991 for 3h

MITO Led series LED lighting fixtures

FOR USE IN FOOD INDUSTRY (HACCP)

NEW



High bay LED lighting fixtures
HACCP for food industry
polycarbonate diffuser
symmetrical light distribution
extra wide beam
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	16	810093	1
135	17640		16	810023	1
169	22050		16	810053	1
203	26460		16	810083	1
102	13230	emergency	16	810193	1
135	17640		16	810123	1
169	22050		16	810153	1
203	26460		16	810183	1

Characteristics: typical height of installation between 5 and 9 meters.
Equipment included: support for rapid pendant suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



High bay LED lighting fixtures
HACCP for food industry
polycarbonate diffuser
symmetrical light distribution
narrow beam
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	17	810094	1
135	17640		17	810024	1
169	22050		17	810054	1
203	26460		17	810084	1
102	13230	emergency	17	810194	1
135	17640		17	810124	1
169	22050		17	810154	1
203	26460		17	810184	1

Characteristics: typical height of installation between above 9 meters.
Equipment included: support for rapid pendant suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



High bay LED lighting fixtures
HACCP for food industry
polycarbonate diffuser
elliptical light distribution
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	18	810095	1
135	17640		18	810025	1
169	22050		18	810055	1
203	26460		18	810085	1
102	13230	emergency	18	810195	1
135	17640		18	810125	1
169	22050		18	810155	1
203	26460		18	810185	1

Characteristics: suitable to be installed between the aisles of industrial warehouses, etc
Equipment included: support for double chain suspension.
Note: the luminous flux may be subject to a tolerance of +/- 7%.



EMERGENCY In case of emergency lighting fixtures without UPS, you need: code 810992 for 1h or code 810991 for 3h.

FOR EXTERNAL USE

NEW



LED floodlights **glass** diffuser
asymmetrical light distribution
IP66/IP67

Power (W)	Nominal flux (lm)	Version	Photometric curves	Palazzoli code	Pack Q.ty
102	13230	1-10V dimmable standard	19	810296	1
135	17640		19	810226	1
169	22050		19	810256	1
203	26460		19	810286	1

Characteristics: suitable for external areas and sport centers.
Equipment included: adjustable bracket for wall mounting or on supporting structures (poles, lighting towers).
Note: the luminous flux may be subject to a tolerance of +/- 7%.



NEW



Support brackets for double chain suspension and cable tray suspension

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810997	1

NEW



Adjustable bracket for wall mounting, poles and lighting towers

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810999	1

NEW



Support bracket for 0 - 90° adjustable double chain suspension

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810996	1

NEW



Support for mounting on catenary wire 0 - 90° adjustable

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810994	1

NEW



Support bracket for ceiling mounting

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810998	1

NEW



Protective guard

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810993	1

NEW



Support bracket for horizontal pole mounting 60mm diameter

Manufacturing material	Palazzoli code	Pack Q.ty
zincd steel	810995	1

NEW



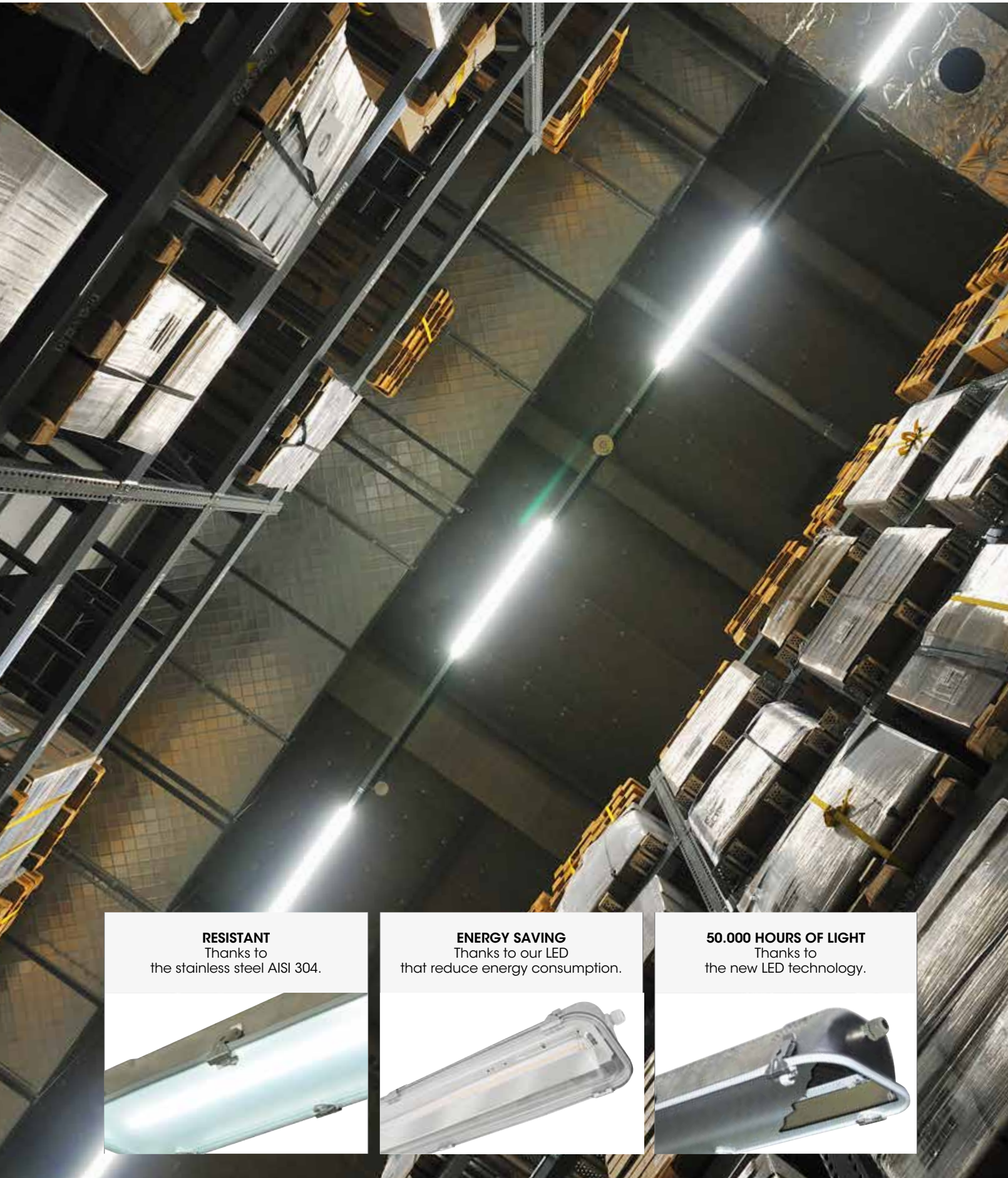
Kit for emergency

Manufacturing material	Emergency battery lifetime	Palazzoli code	Pack Q.ty
aluminium alloy	1h	810992	1
aluminium alloy	3h	810991	1

Equipment included: the emergency kit is complete with junction box, battery, inverter and support for rapid pendant suspension.

Characteristics: No. 1 M20 entry and No. 1 fast connector output.

Note: the support is suitable for double chain suspension.



RESISTANT
Thanks to
the stainless steel AISI 304.



ENERGY SAVING
Thanks to our LED
that reduce energy consumption.



50.000 HOURS OF LIGHT
Thanks to
the new LED technology.



RINO LED is the new watertight lighting fixture series made of steel and glass including LED technology to illuminate internal or external areas. The new light distribution system ensures more than 35% energy saving if compared with the same luminous flux of a T8 fluorescent lamp. Visual comfort is guaranteed by the anti-glare diffuser.

We recommend to install these fixtures in those areas where it is important to combine steel body resistance together with energy saving.

Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997 EN 60598-2-22:2014 EN 62471:2008 Directive 2014/30/EU EN 62493:2015 Directive 2011/65/EU
Body material	Stainless steel AISI 304 Zincd and powder coated steel
Diffuser material	Satin finish glass
Protection rating (IP as per IEC/EN 60529)	IP66
Painting	Non-toxic polyester resistant to weather conditions and UV rays
Colour	RAL 9003 (zincd and powder coated steel version)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK09
LED colour temperature	4000K
CRI	≥ 80
Insulation class	I
Rated voltage	230V
Frequency	50-60Hz
Power factor	≥ 0,9
Max cable section	2,5 mm²
Entry cable diameter	7-14 mm
Emergency battery lifetime	1h (3h on request)
Emergency battery recharging time	24h
Estimated device lifetime	L80 B20 @50.000h Ta=25°C
Storage temperature	-40°C - +70°C
Operating temperature	-25°C - +40°C (Special solutions available on request for extremely cold temperature storage)

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



LED lighting fixtures in **stainless steel-satin finish glass** with **extra wide beam** 230V **IP66**



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
22	690	3170	electronic	1	822142	1
48	1300	5900	electronic	1	822242	1
58	1600	8000	electronic	1	822342	1
22	690	3170	emergency	1	822140	1
48	1300	5900	emergency	1	822240	1
58	1600	8000	emergency	1	822340	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED lighting fixtures in **stainless steel-glass** with **narrow beam** 230V **IP66**



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
48	1300	5900	electronic	2	820242	1
58	1600	8000	electronic	2	820342	1
48	1300	5900	emergency	2	820240	1
58	1600	8000	emergency	2	820340	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.

RINO-LED series LED lighting fixtures



LED lighting fixtures in **stainless steel-polycarbonate** with **extra wide beam** 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
22	690	3170	electronic	1	828142	1
48	1300	5900	electronic	1	828242	1
22	690	3170	emergency	1	828140	1
48	1300	5900	emergency	1	828240	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED lighting fixtures in **powder coated steel-satin finish glass** with **extra wide beam** 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
22	690	3170	electronic	1	842142	1
48	1300	5900	electronic	1	842242	1
58	1600	8000	electronic	1	842342	1
22	690	3170	emergency	1	842140	1
48	1300	5900	emergency	1	842240	1
58	1600	8000	emergency	1	842340	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED lighting fixtures in **stainless steel-polycarbonate** with **narrow beam** 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
48	1300	5900	electronic	2	825242	1
48	1300	5900	emergency	2	825240	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED lighting fixtures in **powder coated steel-glass** with **narrow beam** 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
48	1300	5900	electronic	2	843242	1
58	1600	8000	electronic	2	843342	1
48	1300	5900	emergency	2	843240	1
58	1600	8000	emergency	2	843340	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED lighting fixtures in **powder coated steel-polycarbonate** with **extra wide beam** 230V **IP66**



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
22	690	3170	electronic	1	847142	1
48	1300	5900	electronic	1	847242	1
22	690	3170	emergency	1	847140	1
48	1300	5900	emergency	1	847240	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



Pair of **hooks** for **pendant** mounting of steel lighting fixtures

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820001	1



LED lighting fixtures in **powder coated steel-polycarbonate** with **narrow beam** 230V **IP66**



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
48	1300	5900	electronic	2	845242	1
48	1300	5900	emergency	2	845240	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



Pair of **swivelling supports** for **ceiling or wall** mounting of steel lighting fixtures

Manufacturing material	Rotating angle	Palazzoli code	Pack Q.ty
stainless steel AISI 304	± 75°	820000	1



Pair of **collars** for mounting **on tube** of steel lighting fixtures

Manufacturing material	Tube diameter Ø (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	60	820006	1

RINO series Fluorescent lighting fixtures



WEATHERTIGHT

The special reinforced gasket guarantees the IP66 protection rating in all the range.



EFFICIENT

The ultra-bright aluminium reflector ensures optimum efficacy of the luminous flux and therefore an extremely uniform distribution.



RESISTANT

The non-deformable structure makes RINO suitable to be installed even when vibrations are present.



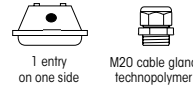
Suitable for food industries, extractor hoods, chemical industries, mines and environments with oil presence.
The range of RINO lighting fixtures is manufactured with the highest quality standards guaranteeing reliability and best performances, such as the body which is cold-drawn in a single piece and with a high photometric output.

Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997 EN 60598-2-22:2014 Directive 2014/30/EU EN 62493:2015 Directive 2011/65/EU
Body material	Stainless steel AISI 304 Zincd and powder coated steel
Diffuser material	Temperate glass Polycarbonate
Protection rating (IP as per IEC/EN 60529)	IP66
Painting	Non-toxic polyester resistant to weather conditions and UV rays
Colour	RAL 9003 (zincd and powder coated steel version)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK09
Insulation class	I
Fuse type	Cylindrical 5x20
Lampholder	G13 T8 / G5 T5
Rated voltage	230V
Rated frequency	0-50-60Hz (electronic) 50Hz (electromagnetic)
Power factor	≥ 0,9
Max cable section	2,5 mm²
Entry cable diameter	7-14 mm
Emergency battery lifetime	1h
Emergency battery recharging time	24h
Storage temperature	-40°C - +70°C
Operating temperature	-25°C - +50°C (Special solutions available on request for extremely cold temperature storage)

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



Stainless steel-glass lighting fixtures with white reflector, for T8 tubes 230V IP66

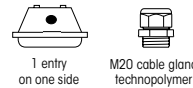


Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1x18	690	electronic	8	822131	1
1x36	1300	electronic	8	822231	1
1x58	1600	electronic	8	822331	1
2x18	690	electronic	9	822132	1
2x36	1300	electronic	9	822232	1
2x58	1600	electronic	9	822332	1
1+1x36	1300	emergency	9	822211	1
1+1x58	1600	emergency	9	822311	1

Characteristics: fluorescent tubes are not included.



Stainless steel-glass lighting fixtures with white reflector, for T5 tubes 230V IP66



Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x54	1300	electronic	13	822962	1
2x49	1600	electronic	13	822762	1
2x80	1600	electronic	13	822862	1

Characteristics: fluorescent tubes are not included.

Correspondence lighting fixture length and tube type

Lighting fixture (mm)	Lighting tube (mm)	T8 tubes	T5 tubes
690	550	18W	24W HO
1300	1150	36W	28W HE
			54W HO
1600	1450	58W	35W HE
			49W HO
			80W HO

RINO series

Fluorescent lighting fixtures



Stainless steel-glass
lighting fixtures with
symmetrical reflector
in aluminium, for **T8** tubes
230V IP66



1 entry
on one side



M20 cable gland
brass

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1x18	690	electronic	10	820131	1
1x36	1300	electronic	10	820231	1
1x58	1600	electronic	10	820331	1
2x18	690	electronic	11	820132	1
2x36	1300	electronic	11	820232	1
2x58	1600	electronic	11	820332	1
3x18	690	electronic	11	820133	1
3x36	1300	electronic	11	820233	1
1x18	690	dimnable electronic	10	820151	1
1x36	1300	dimnable electronic	10	820251	1
2x18	690	dimnable electronic	11	820152	1
2x36	1300	dimnable electronic	11	820252	1
1+1x18	690	emergency	11	820111	1
1+1x36	1300	emergency	11	820211	1
1+1x58	1600	emergency	11	820311	1

Equipment included: pair of hooks for pendant mounting

Characteristics: fluorescent tubes are not included.



Stainless steel-glass
lighting fixtures with
symmetrical reflector
in aluminium, for **T5** tubes
230V IP66



1 entry
on one side



M20 cable gland
brass

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x24	690	electronic	14	820562	1
2x28	1300	electronic	14	820462	1
2x54	1300	electronic	14	820962	1
2x35	1600	electronic	14	820662	1
2x49	1600	electronic	14	820762	1
2x80	1600	electronic	14	820862	1
1+1x24	690	emergency	14	820511	1
1+1x54	1300	emergency	14	820911	1
1+1x49	1600	emergency	14	820711	1

Equipment included: pair of hooks for pendant mounting

Characteristics: fluorescent tubes are not included.



Stainless steel-glass
lighting fixtures with
asymmetrical reflector
in aluminium, for **T8** tubes
230V IP66



1 entry
on one side



M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1x18	690	electronic	12	824131	1
1x36	1300	electronic	12	824231	1
1x58	1600	electronic	12	824331	1

Characteristics: fluorescent tubes are not included.



Stainless steel-glass
lighting fixtures with
asymmetrical reflector
in aluminium, for **T5** tubes
230V IP66



1 entry
on one side



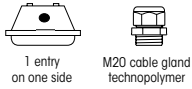
M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1x24	690	electronic	15	824561	1
1x54	1300	electronic	15	824961	1
1x49	1600	electronic	15	824761	1
1x80	1600	electronic	15	824861	1

Characteristics: fluorescent tubes are not included.



Stainless steel-polycarbonate lighting fixtures with white reflector, for T8 tubes 230V IP66

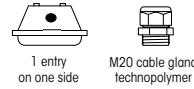


Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	9	828132	1
2x36	1300	electronic	9	828232	1
2x58	1600	electronic	9	828332	1

Characteristics: fluorescent tubes are not included.



Stainless steel-polycarbonate lighting fixtures with symmetrical reflector in aluminium, for T5 tubes 230V IP66

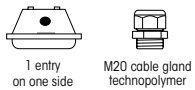


Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x24	690	electronic	14	825562	1
2x54	1300	electronic	14	825962	1
2x49	1600	electronic	14	825762	1

Characteristics: fluorescent tubes are not included.



Stainless steel-polycarbonate lighting fixtures with symmetrical reflector in aluminium, for T8 tubes 230V IP66



Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	11	825132	1
2x36	1300	electronic	11	825232	1
2x58	1600	electronic	11	825332	1
1+1x18	690	emergency	11	825111	1
1+1x36	1300	emergency	11	825211	1
1+1x58	1600	emergency	11	825311	1

Characteristics: fluorescent tubes are not included.

RINO series

Fluorescent lighting fixtures



Powder coated steel-glass
lighting fixtures with **white**
reflector for **T8** tubes
230V **IP66**



1 entry
on one side



M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	9	842132	1
2x36	1300	electronic	9	842232	1
2x58	1600	electronic	9	842332	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-glass
lighting fixtures with
symmetrical reflector
in aluminium, for **T8** tubes
230V **IP66**



1 entry
on one side



M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	11	843132	1
2x36	1300	electronic	11	843232	1
2x58	1600	electronic	11	843332	1
1+1x18	690	emergency	11	843111	1
1+1x36	1300	emergency	11	843211	1
1+1x58	1600	emergency	11	843311	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-glass
lighting fixtures with **white**
reflector for **T5** tubes
230V **IP66**



1 entry
on one side



M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x54	1300	electronic	13	842962	1
2x49	1600	electronic	13	842762	1
2x80	1600	electronic	13	842862	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-glass
lighting fixtures with
symmetrical reflector
in aluminium, for **T5** tubes
230V **IP66**



1 entry
on one side



M20 cable gland
technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x24	690	electronic	14	843562	1
2x28	1300	electronic	14	843462	1
2x54	1300	electronic	14	843962	1
2x35	1600	electronic	14	843662	1
2x49	1600	electronic	14	843762	1
2x80	1600	electronic	14	843862	1
1+1x24	690	emergency	14	843511	1
1+1x54	1300	emergency	14	843911	1
1+1x49	1600	emergency	14	843711	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-polycarbonate lighting fixtures with white reflector for T8 tubes 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	9	847132	1
2x36	1300	electronic	9	847232	1
2x58	1600	electronic	9	847332	1
1+1x36	1300	emergency	9	847211	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-polycarbonate lighting fixtures with symmetrical reflector in aluminium, for T8 tubes 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	11	845132	1
2x36	1300	electronic	11	845232	1
2x58	1600	electronic	11	845332	1
1+1x18	690	emergency	11	845111	1
1+1x36	1300	emergency	11	845211	1
1+1x58	1600	emergency	11	845311	1

Characteristics: fluorescent tubes are not included.



Powder coated steel-polycarbonate lighting fixtures with symmetrical reflector in aluminium, for T5 tubes 230V IP66



1 entry on one side



M20 cable gland technopolymer

Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x24	690	electronic	14	845562	1
2x54	1300	electronic	14	845962	1
2x49	1600	electronic	14	845762	1

Characteristics: fluorescent tubes are not included.



Pair of **hooks** for **pendant** mounting of steel lighting fixtures

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820001	1



Pair of **swivelling supports** for **ceiling or wall** mounting of steel lighting fixtures

Manufacturing material	Rotating angle	Palazzoli code	Pack Q.ty
stainless steel AISI 304	± 75°	820000	1



Pair of **collars** for mounting **on tube** of steel lighting fixtures

Manufacturing material	Tube diameter ø (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	60	820006	1



Symmetrical reflectors for steel lighting fixtures

Manufacturing material	For lighting fixtures (W)	Palazzoli code	Pack Q.ty
aluminium	18, 24	820002	1
aluminium	28, 36, 54	820003	1
aluminium	35, 49, 58, 80	820008	1

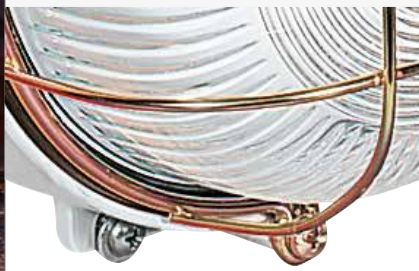
RINO series
Oval and round bulkhead fixtures



HIGH RESISTANCE
Thanks to the continuous
use at -40°C.



GUARANTEED PROTECTION
Thanks to the external
predisposition for fixing.



MAXIMUM SECURITY
Thanks to the
protective cages.



RINO series round and oval bulkhead fixtures are lighting fixtures manufactured with high quality standards for industrial products. The diffuser in anti-impact ribbed glass, lampholder in porcelain, surface treatment of passivation with fluoro-zirconium and hot polymerized polyester painting guarantee resistance of the product in any areas. We recommend to install these fixtures in those places, such as arcades, electrical substations, cold rooms and in any restricted space where you may need a long-term resistant lighting fixture.

Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997
Material	Aluminium alloy (body) Prismatic tempered glass (diffuser)
Surface treatment	Passivation with fluoro-zirconium
Protection rating (IP as per IEC/EN 60529)	IP65
Painting	Non-toxic polyester resistant to atmospherical agents and UV rays
Colour	RAL 7035 (body)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Insulation class	I
Lampholder	E27 type in porcelain G23 type in technopolymer
Rated voltage	230V
Rated frequency	50-60Hz
Max cable section	2,5 mm²
Entry cable diameter	5 - 13 mm
Storage temperature	-50°C - +80°C
Operating temperature	-40°C - +70°C



M20 cable gland technopolymer

Oval bulkhead fixtures in aluminium alloy with glass diffuser
230V IP65

Lamp max power (W)	Dimensions (mm)	Lampholder type	No. entries	Palazzoli code	Pack Q.ty
60	199x112	E27	1	831071	1
60	199x112	E27	2	831091	1
75	226x130	E27	1	831171	1
75	226x130	E27	2	831191	1
100	295x170	E27	1	831271	1
100	295x170	E27	2	831291	1
5-7-9	295x170	G23	1	831914	1

Equipment included: internal earth screws.
Characteristics: E27 lampholder in porcelain.



M20 cable gland technopolymer

Oval bulkhead fixtures in aluminium alloy with **protective cage** in steel
230V IP65

Lamp max power (W)	Dimensions (mm)	Lampholder type	No. entries	Palazzoli code	Pack Q.ty
60	199x112	E27	1	831072	1
60	199x112	E27	2	831092	1
75	226x130	E27	1	831172	1
75	226x130	E27	2	831192	1
100	295x170	E27	1	831272	1
100	295x170	E27	2	831292	1
5-7-9	295x170	G23	1	831934	1

Equipment included: internal earth screws.
Characteristics: E27 lampholder in porcelain.



M20 cable gland technopolymer

Oval bulkhead fixtures in aluminium alloy with **protective cage** in aluminium
230V IP65

Lamp max power (W)	Dimensions (mm)	Lampholder type	No. entries	Palazzoli code	Pack Q.ty
60	199x112	E27	1	831075	1
60	199x112	E27	2	831095	1
75	226x130	E27	1	831175	1
75	226x130	E27	2	831195	1
100	295x170	E27	1	831275	1
100	295x170	E27	2	831295	1
5-7-9	295x170	G23	1	831954	1

Equipment included: internal earth screws.
Characteristics: E27 lampholder in porcelain.

RINO series

Oval and round bulkhead fixtures



Round bulkhead fixture
in aluminium alloy
with glass diffuser
230V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Dimensions (mm)	Lampholder type	No. entries	Palazzoli code	Pack Q.ty
75	200x182	E27	1	830071	1

Equipment included: internal earth screws.
Characteristics: E27 lampholder in porcelain.



Lampholder
swann type, bayonet mount
for RINO lamps

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	Brass	859412	1

Equipment included: fixing support.



Round bulkhead fixture
in aluminium alloy
with **protective cage** in steel
230V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Dimensions (mm)	Lampholder type	No. entries	Palazzoli code	Pack Q.ty
75	200x182	E27	1	830072	1

Equipment included: internal earth screws.
Characteristics: E27 lampholder in porcelain.

NOTE

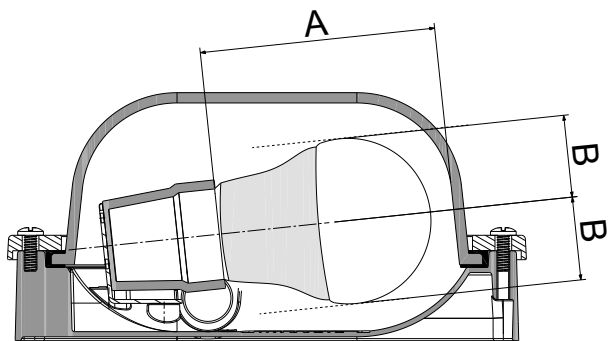
Bespoke LED solutions available on request: warm white 3000K or neutral white 4000K



LIGHTING FIXTURE/LAMP SELECTION - MAXIMUM POWER

	Power max (W)	LED module (W)	Luminous flux (lm)		Halogen max (W)	Electronic compact fluorescent max (W)
			Warm white 3000K	Neutral white 4000K		
	60	8,7	630	640	42	15
	75	8,7	940	960	53	20
	100	13	1200	1250	72	23
	75	17	1530	1590	53	15

LIGHTING FIXTURE/LAMP SELECTION - DIMENSIONS



	Power max (W)	A	B
	60	90	38
	75	110	40
	100	168	43
	75	90	38

LIGHTING FIXTURE/LAMP SELECTION - SPARE PARTS

	Power max (W)	Diffusers	Gaskets	Lampholder	
				E27	Swann
	60	831512	831540	819056	859412
	75	831612	831640		
	100	831712	831740	-	-
	75	830512	830540	819056	859412

Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997
Material	Aluminium alloy (body) Prismatic tempered glass (diffuser)
Surface treatment	Passivation with fluoro-zirconium
Protection rating (IP as per IEC/EN 60529)	IP65
Painting	Hot polymerized non-toxic polyester
Colour	RAL 7035 (body)
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10
Insulation class	I
Lampholder	E27 type in porcelain
Rated voltage	230V
Rated frequency	50-60Hz
Max cable section	2,5 mm²
Entry cable diameter	5-13 mm
Storage temperature	-50°C - +80°C
Operating temperature	-40°C - +70°C



Well glass fixtures for ceiling-mounting in aluminium alloy, with glass diffuser 250V IP65

M20 cable gland technopolymer

Lamp max power (W)	Lampholder type	No. cable glands	Palazzoli code	Pack Q.ty
60	E27	1	810071	1
75	E27	1	810171	1
100	E27	1	810271	1

Equipment included: cable glands.
Characteristics: lampholder in porcelain.



Well glass fixtures pendant in aluminium alloy, with glass diffuser 250V IP65

Lamp max power (W)	Lampholder type	No. cable glands	Palazzoli code	Pack Q.ty
60	E27	1	812071	1
75	E27	1	812171	1
100	E27	1	812271	1

Characteristics: with threaded entry with M20 threading for tube.
Lampholder in porcelain.



Junction boxes in aluminium alloy for ceiling mounting of pendant lamps IP65

M20 cable gland technopolymer

Internal dimensions	No. cable glands	Frontal threading type	Palazzoli code	Pack Q.ty
Ø 62	2	1/2"	812988	1

Equipment included: internal and external earth screws and cable gland.
Characteristics: cover with M20 threaded central hole for lighting fixtures pendant conduit.



Well glass fixtures, 90° angled, for wall mounting, in aluminium alloy, with glass diffuser 250V IP65

M20 cable gland technopolymer

Lamp max power (W)	Lampholder type	No. cable glands	Palazzoli code	Pack Q.ty
60	E27	1	811071	1
75	E27	1	811171	1
100	E27	1	811271	1

Equipment included: cable glands.
Characteristics: lampholder in porcelain.



Well glass fixtures, angled, for wall mounting, aluminium alloy, glass diffuser 250V IP65

M20 cable gland technopolymer

Lamp max power (W)	Lampholder type	No. cable glands	Palazzoli code	Pack Q.ty
60	E27	1	813071	1
75	E27	1	813171	1
100	E27	1	813271	1

Equipment included: cable glands.
Characteristics: lampholder in porcelain.



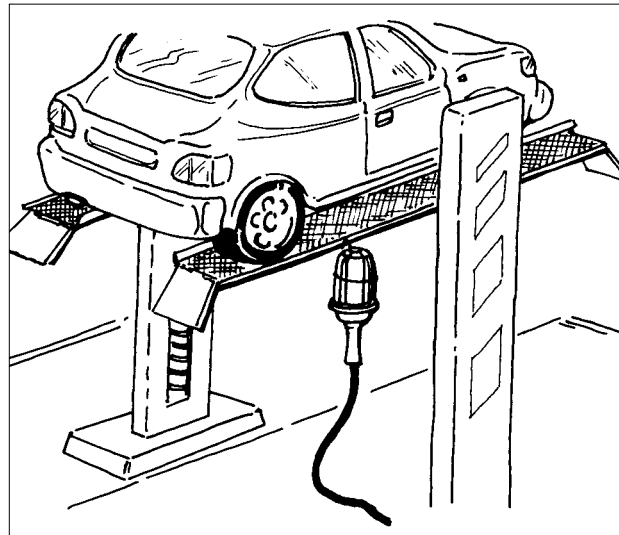
Portable lighting fixture in thermosetting (GRP) with cage in stainless steel 250V IP65

M20 cable gland technopolymer

Lamp max power (W)	Lampholder type	Palazzoli code	Pack Q.ty
60	E27	814052	1

Equipment included: cable entry with 1 x cable gland with M20 threading and internal cable clamp.

Characteristics: diffuser in ribbed clear glass. Lampholder in porcelain.





Well glass fixtures
in aluminium alloy
for ceiling-mounting
250V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Lampholder type	No. entry stepped glands	Palazzoli code	Pack Q.ty
60	E27	1	810060	5
75	E27	1	810100	1
100	E27	1	810200	2

Equipment included: including globe-holder ring, gasket, E27 safety lampholder, and cable gland.



Well glass fixtures
in aluminium alloy
for **90°** wall mounting
250V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Lampholder type	No. entry stepped glands	Palazzoli code	Pack Q.ty
60	E27	1	811060	5
75	E27	1	811100	1
100	E27	1	811200	2

Equipment included: including globe-holder ring, gasket, E27 safety lampholder, and cable gland.



Well glass fixtures
in aluminium alloy
for pendant mounting
250V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Lampholder type	No. entry stepped glands	Palazzoli code	Pack Q.ty
60	E27	1	812060	5
75	E27	1	812100	5
100	E27	1	812200	2

Equipment included: including globe-holder ring, gasket, E27 safety lampholder, and cable gland.

Characteristics: with M20 threaded hole for pendant conduit. Lampholder in porcelain.




Well glass fixtures
in aluminium alloy
for angled wall mounting
250V **IP65**

M20 cable gland
technopolymer

Lamp max power (W)	Lampholder type	No. entry stepped glands	Palazzoli code	Pack Q.ty
60	E27	1	813060	1
75	E27	1	813100	2
100	E27	1	813200	2

Equipment included: including globe-holder ring, gasket, E27 safety lampholder, and cable gland.

LIGHTING FIXTURE/LAMP SELECTION - MAXIMUM POWER

	Power max (W)	LED lamp (W)	Electronic compact fluorescent E27 max (W)
	60	10	15
	75	11	20
	100	16	23



Diffusers in clear ribbed glass for cylindrical lighting fixtures

Lamp max power (W)	Colour	Palazzoli code	Pack Q.ty
60	transparent	819012	1
75	transparent	819112	1
100	transparent	819212	1



Diffusers in coloured glass, type UNAV 1268 for 60W cylindrical lighting fixtures

Lamp max power (W)	Colour	Palazzoli code	Pack Q.ty
40	blue	850061	1
40	yellow	850062	1
40	red	850063	1
40	green	850064	1



Diffusers in coloured polycarbonate for for 60W cylindrical lighting fixtures

Lamp max power (W)	Colour	Palazzoli code	Pack Q.ty
40	transparent	819015	1
40	yellow	819017	1
40	red	819018	1
40	green	819019	1



Lampholder Swann type, bayonet mount for cylindrical lighting fixtures

Type	Lampholder material	Palazzoli code	Pack Q.ty
B22d 4A 250V	brass	859400	1



Protective cages in tropicalized steel wire for cylindrical lighting fixtures

Lamp max power (W)	Palazzoli code	Pack Q.ty
60	819020	1
75	819120	1
100	819220	1



Protective cages in stainless steel wire for cylindrical lighting fixtures

Lamp max power (W)	Palazzoli code	Pack Q.ty
60	819022	1
75	850172	1



Reflectors in painted zinc steel for cylindrical lighting fixtures

Lamp max power (W)	Colour	Palazzoli code	Pack Q.ty
60	white	819030	5
75	white	819130	5
100	white	819230	5



Shade in painted zinc steel for directing lighting output of cylindrical lighting fixtures

Lamp max power (W)	Colour	Palazzoli code	Pack Q.ty
60	aluminium	819035	1
75	aluminium	819135	1
100	aluminium	819235	1



EX

ATEX products are required in places such as carpentries, bakeries, garages, thermal plants and pharmaceutical industries.



IECEX

The Palazzoli products of this range are internationally certified.



IMQ

The production quality system is certified to guarantee the safety of the products installed in potentially explosive atmosphere.





The stainless steel and type of protection Ex e - tb guarantee the safety in hazardous areas with gas, dust and corrosive agents

CESI

THE ADVANTAGES



THE FIXING SYSTEM DOES NOT STICK OUT

The installation is safer as the volume of space is reduced.



THE LAMPHOLDER PREVENTS THE UNHOOKING

It guarantees the connection of the lamp and makes the replacing easier.



VERSATILE CABLE ENTRY WITH 3 HOLES

It allows to easily adapt to the different installation.

RINO-EX series

Fluorescent lighting fixtures

ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE		X	X		X	X

Watertight lighting fixtures in stainless steel AISI 304 suitable for applications in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU.

The diffuser is in tempered glass. The fixing hooks are in stainless steel AISI 304. The sealing is guaranteed by a reinforced gasket in non-ageing elastomer.

Complete with corrosion resistant non-loosening terminals and non-sparking lampholder.

Supplied with M20 cable gland.

Complete with internal and external earth connection.

Conformity to standards

ATEX Directive 2014/34/EU
EN 60079-0: 2012
EN 60079-7: 2007
EN 60079-18: 2009
EN 60079-31: 2014

Directive 2014/30/EU
EN 62493:2015

Directive 2014/35/EU
EN 60598-1: 2015
EN 60598-2-1:1997

Atex execution

II 2G 2D

Ex e mb IIC T4 Gb
Ex tb IIIC T 70 °C Db

Body material **Stainless steel AISI 304**

Diffuser material **Tempered glass**

Protection rating (IP as per IEC/EN 60529) **IP66**

Rated voltage **110 ÷ 240 Vac-dc**

Frequency **0-50-60Hz**

Power factor **≥ 0,9**

Lampholder **G13 T8 preventing the unhooking**



Max cable section **4 mm²**

Entry cable diameter **7-12 mm**

Insulation class **I**

Operating temperature **-40°C ÷ +55°C**

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

CERTIFICATES	INSTRUCTIONS
	

SUITABLE FOR ZONE 1-2 (GAS) AND 21-22 (DUST)



Stainless steel-glass lighting fixtures with **white reflector** for tubes **T8** 230V **IP66**



Lamp power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1X18	690	electronic	8	822181EX	1
1X36	1300	electronic	8	822281EX	1
2X18	690	electronic	9	822182EX	1
2X36	1300	electronic	9	822282EX	1

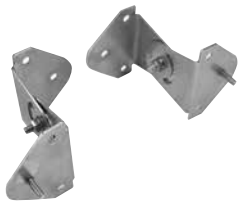
Characteristics: fluorescent tubes are not included.
Lighting fixture predisposed with 2+1 M20 holes for in-out connection.



Pair of **eyebolts** for **pendant** mounting of steel lighting fixtures with screw coupling

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820011	1

Equipment included: screws and accessories for fixing.



Pair of **swivelling supports** for **ceiling or wall** mounting of steel lighting fixtures with screw coupling

Rotating angle	Manufacturing material	Palazzoli code	Pack Q.ty
± 75°	stainless steel AISI 304	820010	1

Equipment included: screws and accessories for fixing.



Pair of **collars** for mounting **on tube** of steel lighting fixtures with screw coupling

Manufacturing material	Tube diameter ø (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	60	820016	1

Equipment included: screws and accessories for fixing.



Pair of **"V" brackets** for ceiling mounting of steel lighting fixtures with screw coupling

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820017	1

Equipment included: screws and accessories for fixing.



Symmetrical reflectors for steel lighting fixtures



Manufacturing material	For lighting fixtures (W)	Palazzoli code	Pack Q.ty
aluminium	18	820002	1
aluminium	36	820003	1

RINO-EX series LED lighting fixtures


ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE			X			X

Watertight lighting fixtures suitable for applications in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU.

The lighting fixture is equipped with LED strips, 4000K colour temperature and CRI≥80, installed on an ultra-bright aluminium reflector. The body is cold-drawn in a single piece. The diffuser is in tempered glass without metallic frame. The IP66 rating is guaranteed by a reinforced gasket in anti-ageing elastomer and hooks in stainless steel AISI304. The cable entry is made with an M20 cable gland in technopolymer.

CERTIFICATES	INSTRUCTIONS
	

Conformity to standards
Directive 2014/35/EU
EN 60598-1:2015
EN 60598-2-1:1997
EN 62471:2008
EN 60598-2-22:2014
Directive 2014/30/EU
EN 62493:2015
Directive 2011/65/EU
Directive 2014/34/EU
EN 60079-0:2012+A11:2013
EN 60079-15:2010
EN 60079-31:2014

ATEX execution
 **II 3G 3D**
Ex nR IIC T6 Gc
Ex tc IIIC T 70 °C Dc

Body material
Stainless steel AISI 304
Zinc and powder coated steel

Diffuser material
Tempered glass

Protection rating (IP as per IEC/EN 60529)
IP66

Painting
Non-toxic polyester resistant to weather conditions and UV rays

Colour
RAL 9016 (zinc and powder coated steel version)

LED colour temperature
4000K

CRI **≥ 80**

Insulation class **I**

Rated voltage
230V

Frequency **50-60Hz**

Power factor **≥ 0,9**

Max cable section **2,5 mm²**

Entry cable diameter **10 -14 mm**

Emergency battery lifetime
1h (3h on request)

Emergency battery recharging time
24h

Estimated device lifetime
L80 B10 @50.000h Ta=25°C

Storage temperature **-40°C - +70°C**

Operating temperature
-25°C - +40°C

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

SUITABLE FOR ZONE 2 (GAS) AND 22 (DUST)
NEW1 entry
on one sideM20 cable gland
technopolymer

LED lighting fixtures
stainless **steel-glass**
with **extra wide** beam
230V **IP66**

Lamp power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
24	690	3300	electronic	20	822142EX	1
38	1300	5600	electronic	21	822242EX	1
44	1600	6500	electronic	24	822342EX	1
19	690	2750	emergency	22	822140EX	1
36	1300	5250	emergency	23	822240EX	1
44	1600	6500	emergency	24	822340EX	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW1 entry
on one sideM20 cable gland
technopolymer

LED lighting fixtures
powder coated
steel - glass
with **extra wide** beam
230V **IP66**

Lamp power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
24	690	3300	electronic	20	842142EX	1
38	1300	5600	electronic	21	842242EX	1
44	1600	6500	electronic	24	842342EX	1
19	690	2750	emergency	22	842140EX	1
36	1300	5250	emergency	23	842240EX	1
44	1600	6500	emergency	24	842340EX	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



Pair of **hooks**
for **pendant** mounting
of steel lighting fixtures
with through coupling

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820001	1

Equipment included: lighting fixture washers and fixing nuts.



Pair of **swivelling supports**
for **ceiling or wall** mounting
of steel lighting fixtures
with through coupling

Rotating angle	Manufacturing material	Palazzoli code	Pack Q.ty
± 75°	stainless steel AISI 304	820000	1

Equipment included: lighting fixture washers and fixing nuts.



Pair of **collars**
for mounting **on tube**
of steel lighting fixtures
with through coupling

Manufacturing material	Tube diameter ø (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	60	820006	1

Equipment included: screws and accessories for fixing.

RINO-EX series



Fluorescent lighting fixtures

ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE			X		X	X

Watertight lighting fixture in stainless steel AISI 304 suitable for applications in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU.

The diffuser is in tempered glass. The fixing hooks are in stainless steel AISI 304. The sealing is guaranteed by a reinforced gasket in non-ageing elastomer. Complete with corrosion resistant non-loosening terminals and non-sparking lampholder. Supplied with M20 cable gland.

Complete with internal and external earth connection.

CERTIFICATES	INSTRUCTIONS
	

Conformity to standards

Directive 2014/35/EU
EN 60598-1:2015
EN 60598-2-1:1997
EN 60598-2-22:2014

Directive 2014/30/EU
EN 62493:2015

Directive 2011/65/EU

Directive 2014/34/EU
EN 60079-0:2009
EN 60079-15:2010
EN 60079-31:2009

ATEX execution

II 3G 2D
Ex nA IIC T4 Gc
Ex tb IIIC T 85 °C Db

II 3G 3D
Ex nR IIC T6 Gc
Ex tc IIIC T 70 °C Dc (emergency)

Body material **Stainless steel AISI 304**

Diffuser material **Tempered glass**

Protection rating (IP as per IEC/EN 60529) **IP66**

Rated voltage **230V**

Frequency **0-50-60Hz**

Power factor **> 0,9**

Lampholder type **G13 T8**

Max cable section **2,5 mm²**

Entry cable diameter **10 - 14 mm**

Emergency battery lifetime **1h**

Emergency battery recharging time **24h**

Insulation class **I**

Operating temperature **-20°C ÷ +40°C (2 tubes)**
-20°C ÷ +50°C (1 tube)

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

SUITABLE FOR ZONE 2 (GAS) AND 21-22 (DUST)



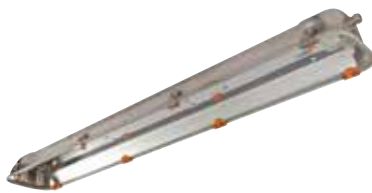
Stainless steel-glass lighting fixtures with **white reflector** for **T8** tubes 230V **IP66**



1 entry on one side M20 cable gland technopolymer

Lamp power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1X18	690	electronic	8	822131EX	1
1X36	1300	electronic	8	822231EX	1
1X58	1600	electronic	8	822331EX	1
2X18	690	electronic	9	822132EX	1
2X36	1300	electronic	9	822232EX	1
2X58	1600	electronic	9	822332EX	1
(1+1)x18	690	emergency	9	822111EX	1
(1+1)x36	1300	emergency	9	822211EX	1
(1+1)x58	1600	emergency	9	822311EX	1

Equipment included: pair of hooks in AISI 304 steel for pendant installation, code 820001.
Characteristics: fluorescent tubes are not included.
Note: the emergency lighting fixtures are suitable for zone 2 -22.



Stainless steel-glass lighting fixtures with **symmetrical reflector** for **T8** tubes 230V **IP66**



1 entry on one side M20 cable gland brass

Lamp power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
1X18	690	electronic	10	820131EX	1
1X36	1300	electronic	10	820231EX	1
1X58	1600	electronic	10	820331EX	1
2X18	690	electronic	11	820132EX	1
2X36	1300	electronic	11	820232EX	1
2X58	1600	electronic	11	820332EX	1
(1+1)x18	690	emergency	11	820111EX	1
(1+1)x36	1300	emergency	11	820211EX	1
(1+1)x58	1600	emergency	11	820311EX	1

Equipment included: pair of hooks in AISI 304 steel for pendant installation, code 820001.
Characteristics: fluorescent tubes are not included.
Note: the emergency lighting fixtures are suitable for zone 2 -22.



Pair of **hooks** for **pendant** mounting of steel lighting fixtures with through coupling

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 304	820001	1

Equipment included: lighting fixture washers and fixing nuts.



Pair of **swivelling supports** for **ceiling or wall** mounting of steel lighting fixtures with through coupling

Rotating angle	Manufacturing material	Palazzoli code	Pack Q.ty
± 75°	stainless steel AISI 304	820000	1

Equipment included: lighting fixture washers and fixing nuts.



Pair of **collars** for mounting **on tube** of steel lighting fixtures with through coupling

Manufacturing material	Tube diameter ø (mm)	Palazzoli code	Pack Q.ty
stainless steel AISI 304	60	820006	1

Equipment included: screws and accessories for fixing.

RINO-EX series


Oval and round bulkhead fixtures



ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE			X		X	X

Watertight bulkhead fixtures in aluminium suitable for applications in areas at risk of explosive atmospheres as defined in ATEX Directive 2014/34/EU.

The body of the bulkhead fixture is treated with ecological anti-corrosion passivation with fluoro-zirconium and finished with hot polymerized scratch-resistant non-toxic polyester painting. The colour of the body is RAL 7035 light grey. The diffuser is in prismatic tempered glass.

The protection cage is RAL 2011 deep orange and is attached to the body by means of stainless steel screws, while the sealing is guaranteed by a gasket in non-ageing elastomer. Predisposed for entry through M20 cable gland. Complete with internal and external earth screw.

Conformity to standards	ATEX Directive 2014/34/EU EN 60079-0:2009 EN 60079-15:2010 EN 60079-31:2014 Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997
ATEX execution	 II 3G 2D Ex nA IIC T3 Gc Ex tb IIIC T 75/85/90 °C Db
Body material	Aluminium alloy
Surface treatment	Passivation with fluoro-zirconium
Painting	Hot polymerized non-toxic polyester
Colour	RAL 7035 (light grey) Back box RAL 2011 (deep orange) Protection cage
Diffuser material	Prismatic tempered glass
Protection rating (IP as per IEC/EN 60529)	IP65
Protective cage material	Painted tropicalized steel wire
Rated voltage	230V
Frequency	50-60Hz
Max cable section	2,5 mm²
Entry cable diameter	10 - 14 mm
Lampholder type	E27 in porcelain
Insulation class	I
Operating temperature	-20°C ÷ +40°C

CERTIFICATES	INSTRUCTIONS
	

SUITABLE FOR ZONE 2 (GAS) AND 21-22 (DUST)



M20 cable gland
technopolymer

Oval bulkhead fixtures
in aluminium alloy
with steel protective cage
230V **IP65**

Power (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
18	199x112	831072EX	1
28	226x130	831172EX	1
53	295x170	831272EX	1

Equipment included: internal and external earth screw and cable gland.



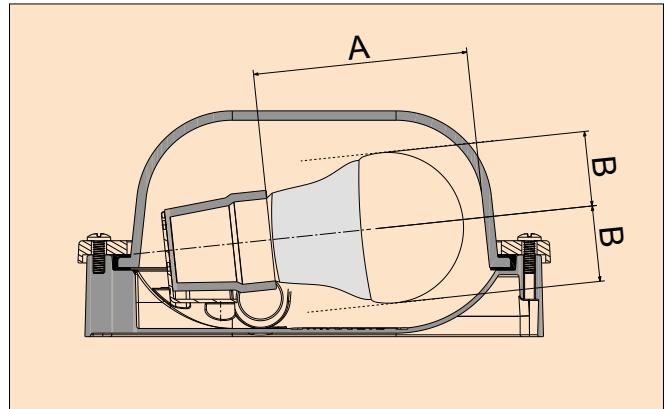
M20 cable gland
technopolymer

Round bulkhead fixtures
in aluminium alloy
with steel protective cage
230V **IP65**



Power (W)	Dimensions (mm)	Palazzoli code	Pack Q.ty
28	200x182	830072EX	1

Equipment included: internal and external earth screw and cable gland.

Lamp/Bulkhead correspondence



Dimensions

Fixtures type	Power (W)	A (mm)	B (mm)
	18	90	38
	28	110	40
	53	168	43
	28	90	38



HIGH EFFICIENCY
State-of-the-art LEDs grant economical and technical advantages to the product.



HIGH HEAT DISSIPATION
High dissipation shape guarantees an optimal operating temperature for the LEDs.



HIGH VERSATILITY
The variable shape body allows the maximum versatility of customized solutions.



The TUNNEL54 LED range is the new and complete system of lighting fixtures for entrances and central parts of the tunnels. They have great installation flexibility thanks to the new range of accessories for mounting on cable tray with different heights or directly on the wall or ceiling.

Conformity to standards	Directive 2014/35/EU EN 60598-1: 2015 EN 60598-2-3: 2003 +A1:2011 EN 62471: 2008 Directives 2011/65/EU 2012/19/EU Directive 2014/30/EU EN 62493: 2015 ENEC in progress for approval
Body material	Black anodized extruded aluminium alloy
Support material	Stainless steel AISI 304 (AISI 316L on request)
Diffuser material	Extraclear tempered glass
Protection rating (IP as per IEC/EN 60529)	IP66
Resistance to impacts (IK rating as per IEC/EN 62262)	IK09
Insulation class	II □ (class I on request)
Power cable	FTG10(O)M1 L.1,5m
Power plug	16A 2P+± IP66 IEC EN 60309-1; IEC EN 60309-2
Mains voltage	200-240V 50/60Hz
Protection against surge discharges	8 kV common mode 6 kV differential mode EN 61000
Power factor	≥ 0,95
Reference AT	25°C
LED device efficiency	106 lm/W
LED colour temperature	5000K (others colour temperature on request)
CRI	≥ 70
Junction temperature	< 85°C
Driving current	700mA (from 350 to 700mA on request)
Estimated device lifetime	L80 B10 @80.000h Ta=25°C
Operating temperature	-20°C - +40°C

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



LED tunnel lighting fixture for **permanent** lighting with axially symmetrical and **transversally symmetrical** optic **PS1** **IP66**

No. Led	Power (W)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
4	34	4160	3	154304	1
8	68	8320	3	154308	1
12	103	12480	3	154312	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



LED tunnel lighting fixture for **permanent and reinforcing** lighting with axially symmetrical and **transversally symmetrical** optic **PS3** **IP66**

No. Led	Power (W)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
4	34	4160	4	154704	1
6	51	6240	4	154706	1
8	68	8320	4	154708	1
12	103	12480	4	154712	1
18	154	18720	4	154718	1
24	205	24960	4	154724	1
30	257	31200	4	154730	1
36	308	37440	4	154736	1
42	359	43680	4	154742	1
48	410	49920	4	154748	1
54	462	56160	4	154754	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



LED tunnel lighting fixture for **permanent and reinforcing** lighting with axially symmetrical and **transversally 20° asymmetrical** optic **PA1** **IP66**

No. Led	Power (W)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
6	51	6240	5	154406	1
12	103	12480	5	154412	1
18	154	18720	5	154418	1
24	205	24960	5	154424	1
30	257	31200	5	154430	1
36	308	37440	5	154436	1
42	359	43680	5	154442	1
48	410	49920	5	154448	1
54	462	56160	5	154454	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.

NEW



LED tunnel lighting fixture for **permanent and reinforcing** lighting with axially symmetrical and **transversally 25° asymmetrical** optic **PA3** **IP66**

No. Led	Power (W)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
6	51	6240	6	154806	1
12	103	12480	6	154812	1
18	154	18720	6	154818	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.

TUNNEL 54 series

LED and fluorescent lighting fixtures



LED tunnel lighting fixture for **reinforcing** lighting with axially **60° counter-beam** and **transversally symmetrical optic RS1 IP66**

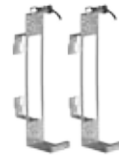
No. Led	Power (W)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
4	34	4160	7	154604	1
6	51	6240	7	154606	1
8	68	8320	7	154608	1
12	103	12480	7	154612	1
18	154	18720	7	154618	1
24	205	24960	7	154624	1
30	257	31200	7	154630	1
36	308	37440	7	154636	1
42	359	43680	7	154642	1
48	410	49920	7	154648	1
54	462	56160	7	154654	1

Note: the luminous flux may be subject to a tolerance of +/- 7%.



Pair of supports in stainless steel for rapid fixing of LED lighting fixtures for **permanent** lighting

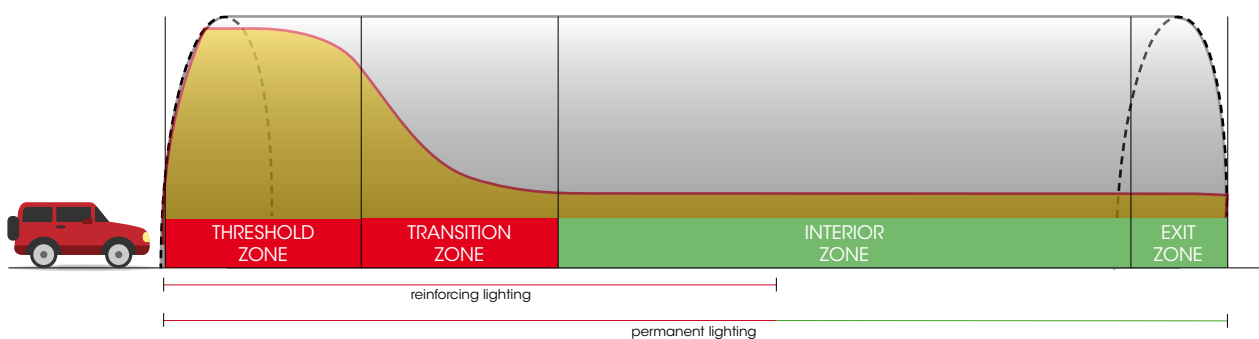
Manufacturing material	Tray dimensions	Palazzoli code	Pack Q.ty
stainless steel AISI 304	100x75	151910	1
	200x75	151911	1
	300x75	151912	1
	100x100	151913	1
	200x100	151914	1
	300x100	151915	1



Pair of supports in stainless steel for rapid adjustable fixing of LED lighting fixtures for **reinforcing** lighting

Manufacturing material	Tray dimensions	Palazzoli code	Pack Q.ty
stainless steel AISI 304	100x75	151920	1
	200x75	151921	1
	300x75	151922	1
	100x100	151923	1
	200x100	151924	1
	300x100	151925	1

GUIDE TO SELECT THE FIXTURES - LUMINANCE LEVELS



THE PERMANENT LIGHTING is uniformly distributed from the access zone to the exit zones.

THE REINFORCING LIGHTING is installed in the access and threshold zone.

In the access zone, the reinforcing lighting must keep the same luminance level of the environment out of the tunnel, so as that the driver can recognize an obstacle placed on the route.

In the threshold zone, the luminance levels must be lower than those of the access zone, so as that the driver can adapt to the lower levels of the interior zone.

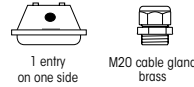
TUNNEL54 fluorescent range is the system of lighting fixtures for lighting niches, traffic lanes technical rooms and for ordinary and emergency lighting. Lighting fixtures can be supplied in special execution complete with brackets for rapid fastening to channel and/or wired with cable and plug.

Conformity to standards	European Directive 2004/54/CE Directive 2014/35/EU EN 60598-1: 2015 EN 60598-2-1: 1997
Body material	Stainless steel AISI 304
Diffuser material	Tempered glass
Protection rating (IP as per IEC/EN 60529)	IP66
Resistance to impacts (IK rating as per IEC/EN 62262)	IK09
Insulation class	II □
Lampholder	G13 T8 / G5 T5
Rated voltage	200-240V 50-60Hz
Power factor	≥ 0,9
Max cable section	2,5 mm²
Entry cable diameter	7-14 mm
Operating temperature	-25°C - +50°C

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



Stainless steel-glass lighting fixtures with **symmetrical reflector** and electronic ballast **230V IP66**

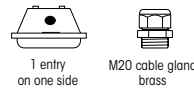


Power (W)	Length (mm)	Power supply	Lampholder and lamps	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	G13 T8	11	152132	1
2x36	1300	electronic	G13 T8	11	152232	1
2x54	1300	electronic	G5 T5	14	152962	1

Characteristics: lighting fixtures can be supplied in special execution complete with brackets for rapid fastening to channel and/or wired with cable and plug. Fluorescent tubes are not included.



Stainless steel-glass lighting fixtures with **asymmetrical reflector** and electronic ballast **230V IP66**



Power (W)	Length (mm)	Power supply	Lampholder and lamps	Photometric curves	Palazzoli code	Pack Q.ty
2x18	690	electronic	G13 T8	12	153132	1
2x36	1300	electronic	G13 T8	12	153232	1
2x54	1300	electronic	G5 T5	15	153962	1

Characteristics: lighting fixtures can be supplied in special execution complete with brackets for rapid fastening to channel and/or wired with cable and plug. Fluorescent tubes are not included.



Pair of supports for rapid mounting of tunnel lighting fixtures

Manufacturing material	Applications	Palazzoli code	Pack Q.ty
stainless steel AISI 304	for L 200mm channel	820004	1
stainless steel AISI 304	for L 300mm channel	820005	1



Pair of swivelling supports for **ceiling or wall** mounting of steel lighting fixtures

Manufacturing material	Rotating angle	Palazzoli code	Pack Q.ty
stainless steel AISI 304	± 75°	820000	1

RINO series
LED and fluorescent lighting fixtures



CORROSION RESISTANT
Thanks to the total absence
of welded joints.



VIBRATION FREE
Thanks to the fixing pins and pre-
assembled anti-vibration systems.



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



RINO lighting fixtures in painted stainless steel for marine applications are manufactured to perfectly fit the area where they are installed. They are available in versions for outdoor with body in white painted stainless steel AISI 316 with opal white diffuser, and for indoor with body in white painted zinc plated steel with transparent polycarbonate diffuser.

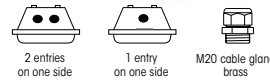
Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997 EN 62471:2008 EN 60598-2-22:2014 Directive 2014/30/EU EN 62493:2015 Directive 2011/65/EU
Material	Stainless steel AISI 316L Powder coated zinc plated steel
Painting	Non-toxic polyester resistant to atmospheric agents and UV rays
Colour	RAL 9016 white
Diffuser material	Polycarbonate and opal polycarbonate
Protection rating (IP as per IEC/EN 60529)	IP67
Resistance to impacts (IK rating as per IEC/EN 62262)	IK09
LED colour temperature	4000K on request 3000K; 5000K
CRI	≥ 80
Lampholder for fluorescent tubes	G5 T5
Rated voltage	180V - 260V
Frequency	0-50-60Hz (electronic)
Power factor	≥ 0,9
Max cable section	2,5 mm²
Entry cable diameter	7 - 15 mm
Emergency battery lifetime	3h
Emergency battery recharging time	24h
Insulation class	I
Storage temperature	-40°C - +70°C
Operating temperature	-20°C - +40°C (Special solutions available on request for extremely cold temperature storage)

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

LED LIGHTING FIXTURES FOR CEILING/WALL



4000K LED lighting fixtures in **powder coated steel-transparent polycarbonate** with **extra wide beam**
230V IP67



Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
20	690	2200	electronic	1	849141	1
40 (2x20)	690	4400	electronic	1	849142	1
40 (20+20)	1300	4400	electronic	1	849243	1
20	690	2200	emergency	1	849171	1
40 (2x20)	690	4400	emergency	1	849172	1
40 (20+20)	1300	4400	emergency	1	849273	1

Equipment included: 2 x 2P+⊕ terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickel plated brass.

Note: the luminous flux may be subject to a tolerance of +/- 7%.



4000K LED lighting fixtures in **powder coated steel-opaline polycarbonate** with **extra wide beam**
230V IP67



Power (W)	Length (mm)	Nominal flux (lm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
20	690	2200	electronic	1	841141	1
40 (2x20)	690	4400	electronic	1	841142	1
40 (20+20)	1300	4400	electronic	1	841243	1
20	690	2200	emergency	1	841171	1
40 (20+20)	1300	4400	emergency	1	841273	1

Equipment included: 2 x 2P+⊕ terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickel plated brass.

Note: the luminous flux may be subject to a tolerance of +/- 7%.



4000K LED lighting fixtures in **powder coated stainless steel AISI 316L-opaline polycarbonate** with **extra wide beam**
230V IP67



Power (W)	Length (mm)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
20	690	2200	1	878141	1
40 (2x20)	690	4400	1	878142	1
40 (20+20)	1300	4400	1	878243	1

Equipment included: 2 x 2P+⊕ terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickel plated brass.

Note: the luminous flux may be subject to a tolerance of +/- 7%.

RINO series LED and fluorescent lighting fixtures

LED LIGHTING FIXTURES FOR BULKHEAD



4000K LED lighting fixtures for bulkhead in powder coated stainless steel **AISI 316L opaline** polycarbonate with **extra wide beam** 230V **IP67**

Power (W)	Length (mm)	Nominal flux (lm)	Photometric curves	Palazzoli code	Pack Q.ty
20	690	2200	1	878741	1
40 (2x20)	690	4400	1	878742	1

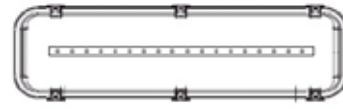
Equipment included: 2 x 2P+ $\frac{N}{E}$ terminal blocks for in and out from the power supply.
Note: the lighting fixture is completed with the code 820007.
The luminous flux may be subject to a tolerance of +/- 7%.



Pair of supports in powder coated stainless steel for bulkhead

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 316L	820007	1

GUIDE TO CHOOSE LED LIGHTING FIXTURES



20W led with luminous flux of 2200 Lm



2x20W with luminous flux of 4400 Lm



20+20W with luminous flux of 4400 Lm

FLUORESCENT LIGHTING FIXTURES FOR CEILING/WALL FLUORESCENT LIGHTING FIXTURES FOR BULKHEAD



Fluorescent lighting fixtures in **powder coated steel-transparent** polycarbonate for tubes **T5** 230V **IP67**



Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x14	690	electronic	25	849062	1
2x24	690	electronic	25	849562	1
2x28	1300	electronic	25	849462	1
1+1x14	690	emergency	25	849011	1
1+1x24	690	emergency	25	849511	1
1+1x28	1300	emergency	25	849411	1

Equipment included: 2 x 2P+ \neq terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickeled brass.
Characteristics: fluorescent tubes are not included.



Fluorescent lighting fixtures in **powder coated steel-opaline** polycarbonate for tubes **T5** 230V **IP67**



Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x14	690	electronic	26	841062	1
2x24	690	electronic	26	841562	1
2x28	1300	electronic	26	841462	1
1+1x14	690	emergency	26	841011	1
1+1x28	1300	emergency	26	841411	1

Equipment included: 2 x 2P+ \neq terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickeled brass.
Characteristics: fluorescent tubes are not included.



Fluorescent lighting fixtures in **powder coated stainless steel AISI 316L opaline** polycarbonate for tubes **T5** 230V **IP67**



Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x14	690	electronic	26	879062	1
2x24	690	electronic	26	879562	1
2x28	1300	electronic	26	879462	1

Equipment included: 2 x 2P+ \neq terminal blocks for in and out from the power supply. No. 2 cable glands and No. 1 screwcap in nickeled brass.
Characteristics: fluorescent tubes are not included.



Fluorescent lighting fixtures for bulkhead in powder coated stainless steel **AISI 316L opaline** polycarbonate for tubes **T5** 230V **IP67**

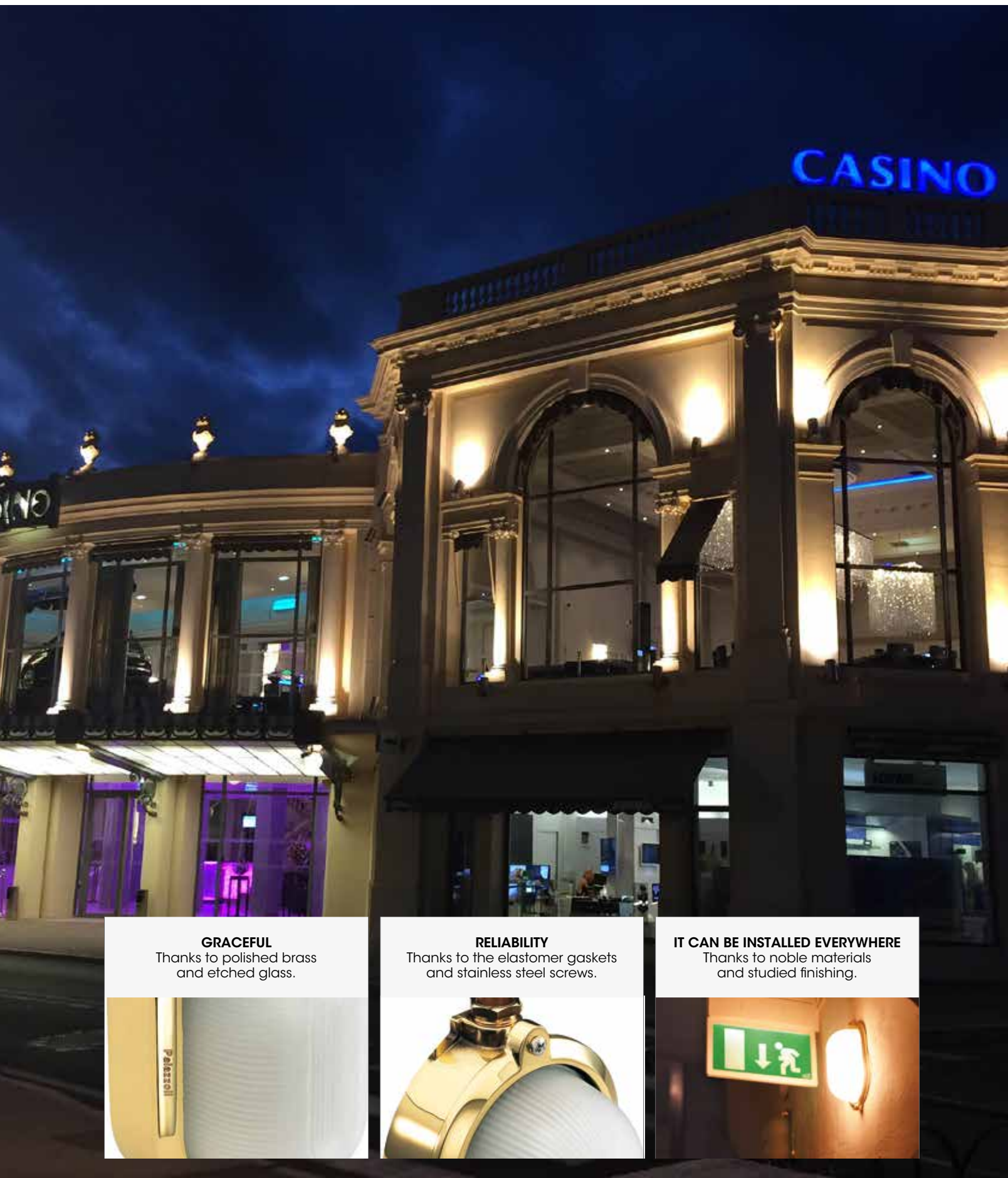
Power (W)	Length (mm)	Power supply	Photometric curves	Palazzoli code	Pack Q.ty
2x14	690	electronic	26	881062	1
2x24	690	electronic	26	881562	1

Equipment included: 2 x 2P+ \neq terminal blocks for in and out from the power supply.
Characteristics: fluorescent tubes are not included.
Note: the lighting fixture is completed with the code 820007.



Pair of supports in powder coated stainless steel for bulkhead

Manufacturing material	Palazzoli code	Pack Q.ty
stainless steel AISI 316L	820007	1



GRACEFUL

Thanks to polished brass and etched glass.



RELIABILITY

Thanks to the elastomer gaskets and stainless steel screws.



IT CAN BE INSTALLED EVERYWHERE

Thanks to noble materials and studied finishing.



NAUTILUX combines the features of using high quality traditional materials with the fixture design associated with maritime applications, ships, sailing crafts, ports and marinas. The use of high quality brass and etched glass, with components which together will resist tough waterside environments associated with its traditional applications. Suited to both outdoor and indoor applications, NAUTILUX could be used to enhance the architecture of many spaces including theatres, restaurants, clubs, and retail as well as the traditional marine applications.

Conformity to standards	Directive 2014/35/EU EN 60598-1:2015 EN 60598-2-1:1997
Material	Polished brass (body) Etched glass (diffuser)
Protection rating (IP as per IEC/EN 60529)	IP44 - IP66
Resistance to impacts (IK rating as per IEC/EN 62262)	IK10 (body)
Insulation class	I
Lampholder	E27 type in porcelain
Rated voltage	230V
Rated frequency	50Hz
Max cable section	2,5 mm²
Storage temperature	-50°C - +80°C
Operating temperature	-40°C - +70°C



Oval bulkhead fixtures
in brilliant solid brass
with etched glass diffuser
230V **IP44**

Lamp max power (W)	Lampholder No.	Type	Cable entry	Palazzoli code	Pack Q.ty
75	1	E27	rear with stepped gland	861100	1
100	1	E27	rear with stepped gland	861200	1

Equipment included: stepped gland in insulating material grommet type.



Oval bulkhead fixtures
in brilliant solid brass with
eyelid **shield** and etched
glass
230V **IP44**

Lamp max power (W)	Lampholder No.	Type	Cable entry	Palazzoli code	Pack Q.ty
20W electronics	1	E27	rear with stepped gland	861211	1

Equipment included: stepped gland in insulating material grommet type.



Well glass fixtures
in brilliant solid brass
with etched glass diffuser
230V **IP44**

Lamp max power (W)	Lampholder No.	Type	Cable entry	Palazzoli code	Pack Q.ty
75	1	E27	with protected terminal block	861140	1



Well glass fixtures
in aluminium alloy
with ribbed glass diffuser
230V **IP44**

Lamp max power (W)	Lampholder No.	Type	Cable entry	Palazzoli code	Pack Q.ty
60	1	E27	with protected terminal block	816071	1
75	1	E27	with protected terminal block	816171	1
100	1	E27	with protected terminal block	816271	1

NAUTILUX series

Lighting units for furnishing



Suspended fixtures
in brilliant solid brass
with steel wire
230V **IP22**

Lamp max power (W)	Lampholder No.	Type	Protection	Palazzoli code	Pack Q.ty
6x40	6	E27	without glass	861505	1
6x40	6	E27	with glass	861506	1



Suspended fixtures
in brilliant solid brass
230V **IP22**

Lamp max power (W)	Lampholder No.	Type	Protection	Palazzoli code	Pack Q.ty
6x40	6	E27	without glass	861507	1
6x40	6	E27	with glass	861508	1



Steel wire in brass with ceiling
rose for pendant lamps

Pendant lamp	Washer diameter Ø (mm)	Length (cm)	Palazzoli code	Pack Q.ty
861507 / 861508	195	200	861510	1



Oval bulkhead fixtures
in brilliant solid brass
with etched glass diffuser
230V **IP66**

M24 cable gland
brass

Cable glands	Max power (W)	No. lampholder	Type lampholder	No. cable glands	Palazzoli code	Pack Q.ty
M24x1,5	75	1	E27	1	860100	1
M24x1,5	100	1	E27	1	860200	1

Equipment included: cable glands.



Oval bulkhead fixtures
in brilliant solid brass with
eyelid **shield** and etched
glass
230V **IP66**

M24 cable gland
brass

Cable glands	Max power (W)	No. lampholder	Type lampholder	No. cable glands	Palazzoli code	Pack Q.ty
M24x1,5	20W electronic	1	E27	1	860211	1

Equipment included: cable glands.



M24 cable gland brass

Well glass fixtures
in brilliant solid brass
with etched glass diffuser
250V **IP66**

Cable glands	Max power (W)	No. lampholder	Type lampholder	No. cable glands	Palazzoli code	Pack Q.ty
M24x1,5	75	1	E27	1	860140	1

Equipment included: cable glands.



M24 cable gland brass

Large fixtures
in polished brass,
diffuser in etched and
heat-resistant glass
250V - **IP66**

Cable glands	Max power (W)	No. lampholder	Type lampholder	No. cable glands	Palazzoli code	Pack Q.ty
M24x1,5	100	1	E27	1	860240	1

Equipment included: cable glands.



Plate in stainless steel
for wall mounting of
75W cylindrical lighting fixtures

Description	Palazzoli code	Pack Q.ty
stainless steel plate for fixing to the wall	860900	1



M24 cable gland brass

Rotary control switch
UNAV 2162, in solid brass
enclosure
250V - **IP66**

Rated current (A)	Poles	Cable glands	No. cable glands	Palazzoli code	Pack Q.ty
10	1	M24x1,5	1	861550	1

Equipment included: cable glands.



Plate in nicked steel
for ceiling-mounting of
75W cylindrical lighting fixtures

Description	Palazzoli code	Pack Q.ty
nicked steel plate for ceiling fixing	860990	1



M24 cable gland brass

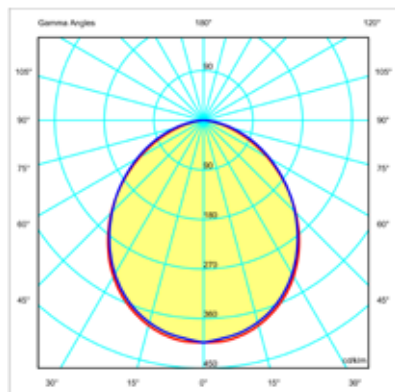
Junction box
UNAV 1398, in solid brass
with terminal block
IP66

Internal diameter (mm)	Cable glands	No. cable glands	Terminal blocks	Palazzoli code	Pack Q.ty
70	M24x1,5	2	4x6 mm ²	861551	1

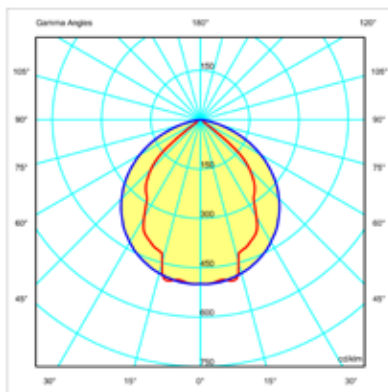
Equipment included: No. 2 cable glands.

Made in an accredited laboratory conforming to UNI EN 13032-1-4 and IES LM 79-08 Standards

LED

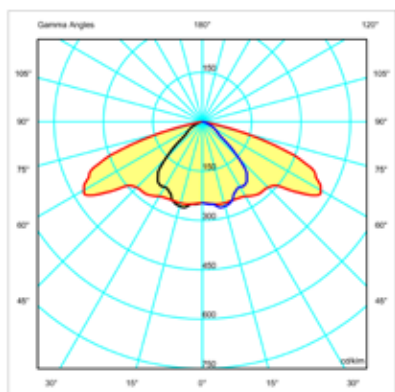


1 - Extra wide beam

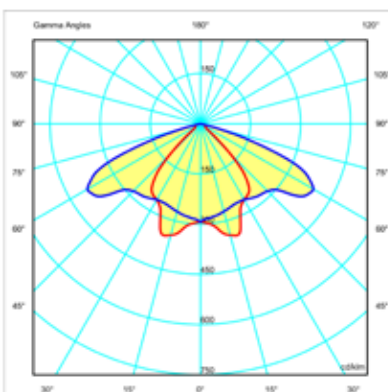


2 - Narrow beam

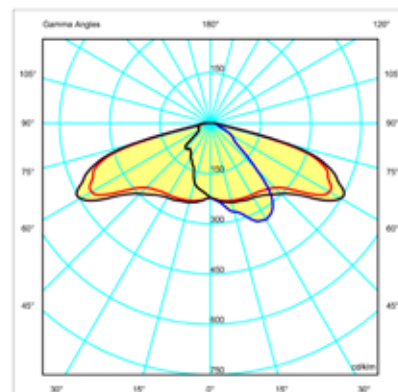
LED TUNNEL



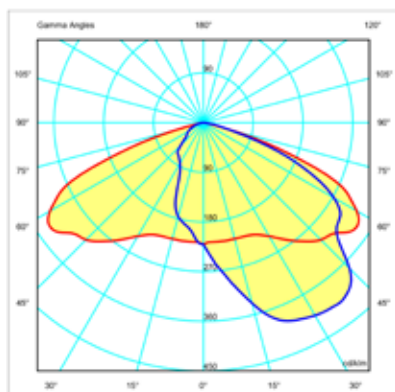
3 - Symmetrical PS1



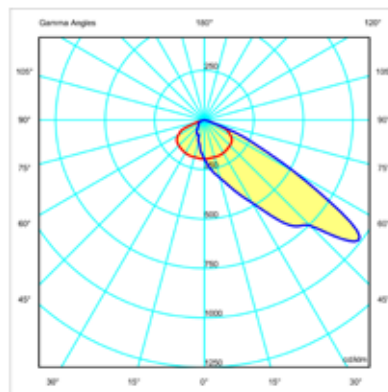
4 - Symmetrical and trasversally PS3



5 - 20° Asymmetrical PA1



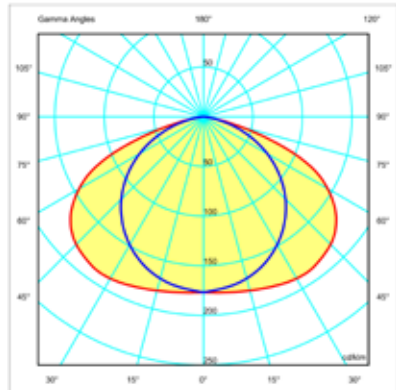
6 - 25° Asymmetrical PA3



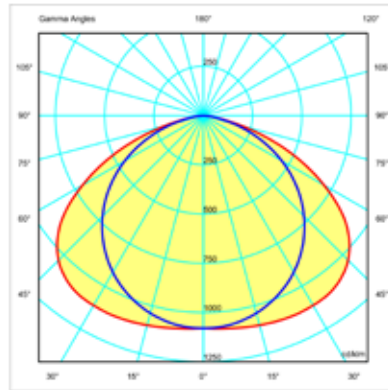
7 - Counter-beam RS1

Made in an accredited laboratory conforming to UNI EN 13032-1-4 and IES LM 79-08 Standards

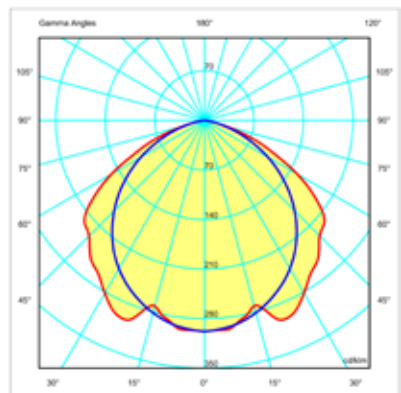
FLUORESCENT



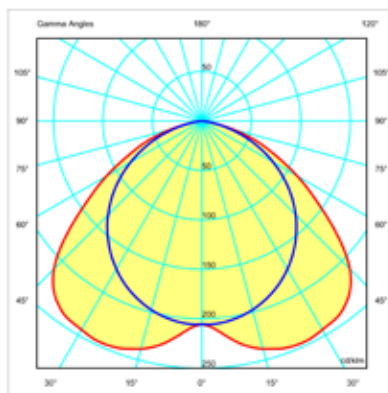
8 - T8 - 1 tube - White reflector



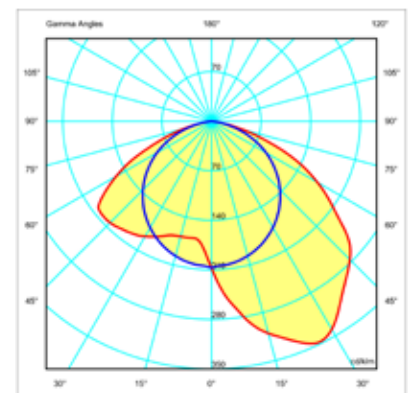
9 - T8 - 2 tubes - White reflector



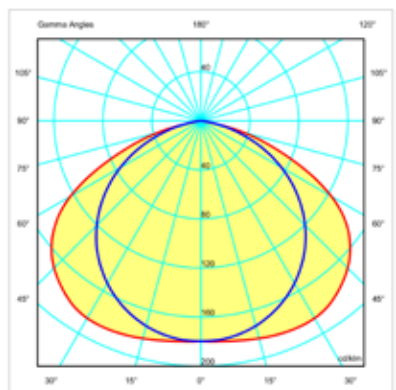
10 - T8 - 1 tube - Symmetrical



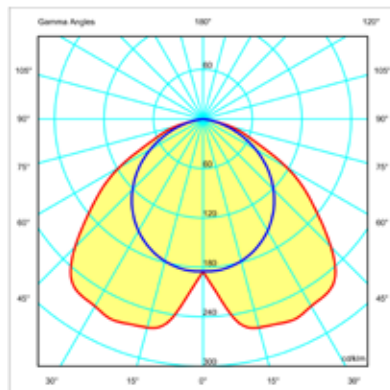
11 - T8 - 2 tubes - Symmetrical



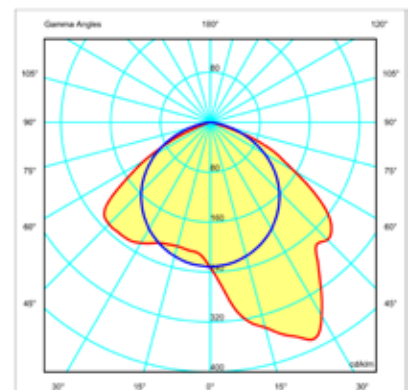
12 - T8 - Asymmetrical



13 - T5 - 2 tubes - White reflector



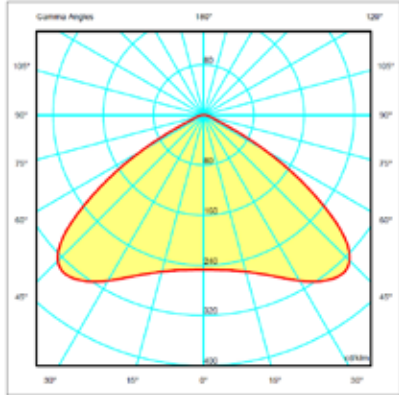
14 - T5 - 2 tubes - Symmetrical



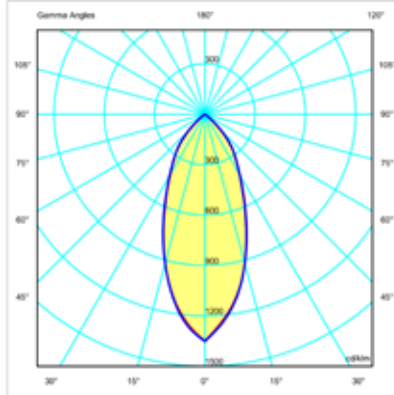
15 - T5 - Asymmetrical

Made in an accredited laboratory conforming to UNI EN 13032-1-4 and IES LM 79-08 Standards

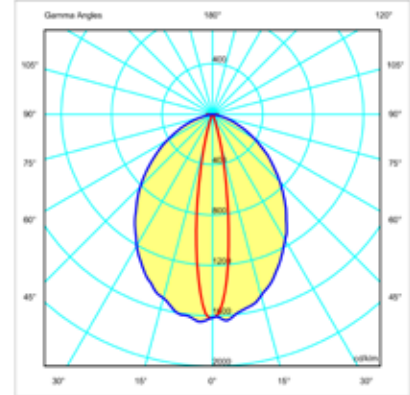
HIGH BAY LED LIGHTING FIXTURES



16 - Symmetrical light distribution, extra wide beam

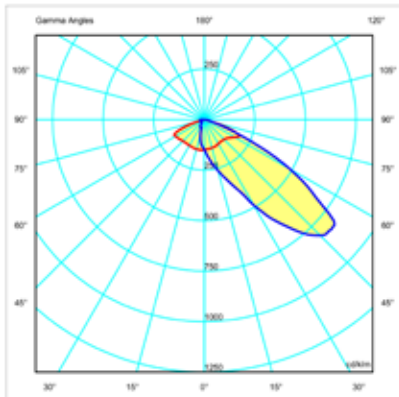


17 - Symmetrical light distribution, narrow beam

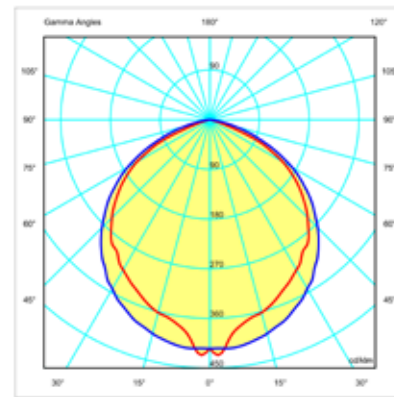


18 - Elliptical light distribution

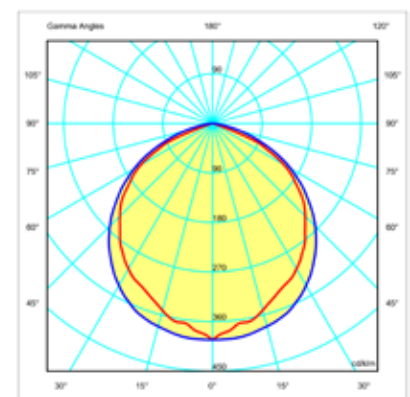
LED FLOODLIGHTS



19 - Asymmetrical light distribution

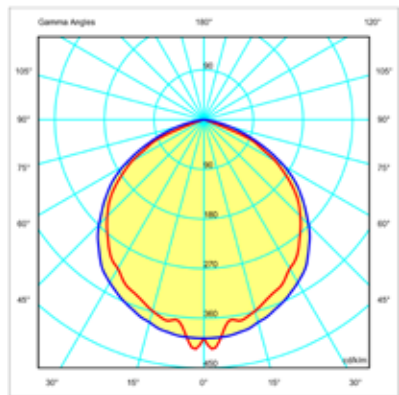


20 - Extra wide beam - 24W

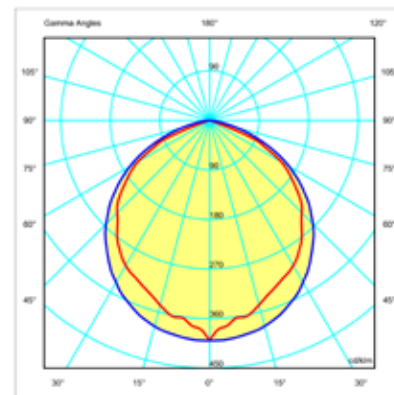


21 - Extra wide beam - 38W

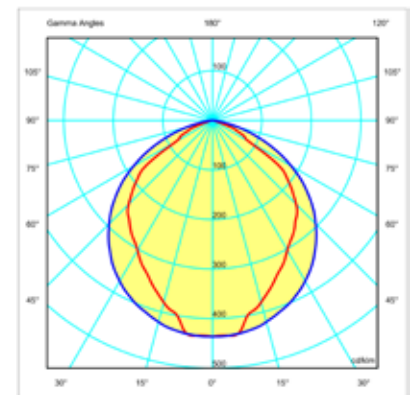
LED ATEX



22 - Extra wide beam - 19W



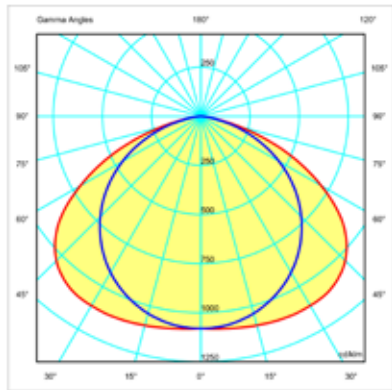
23 - Extra wide beam - 36W



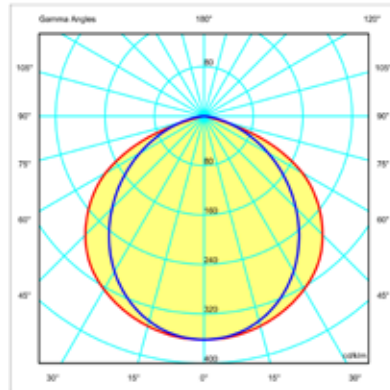
24 - Extra wide beam - 44W

Made in an accredited laboratory conforming to UNI EN 13032-1-4 and IES LM 79-08 Standards

MARINE



25 - T5 - 2 tubes - Transparent



26 - T5 - 2 tubes - Opaline

REFERENCES



EXPO 2015 - ALBERGO DELLA VITA



GRIMALDI MOTORBOATS



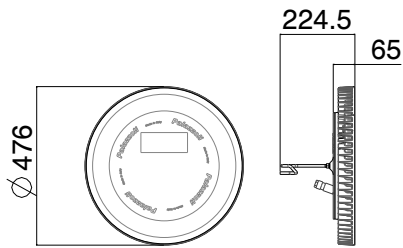
EXPO 2015 - MERLATA TUNNEL



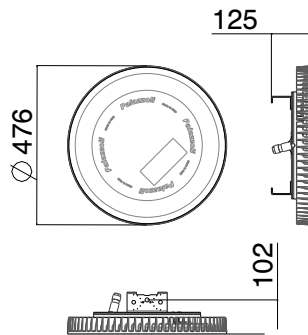
DANONE S.P.A. FACTORY

MITO Led series

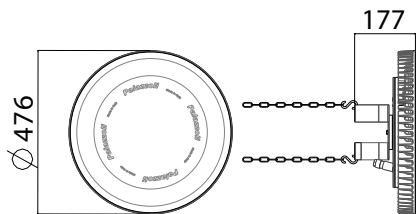
Pendant suspension



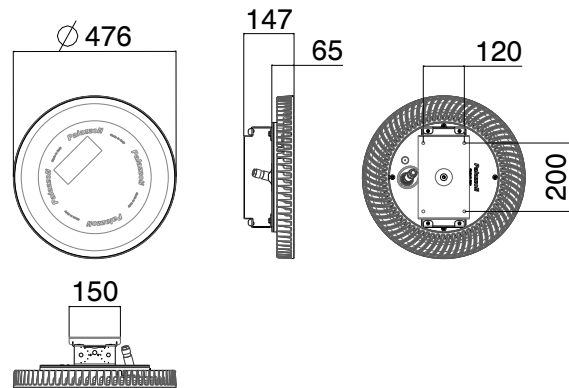
Double chain suspension



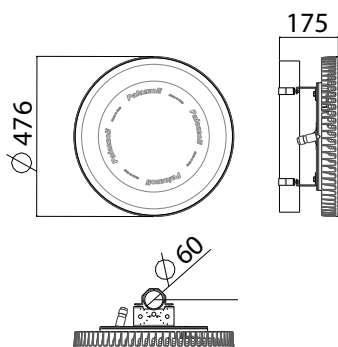
Adjustable double chain suspension



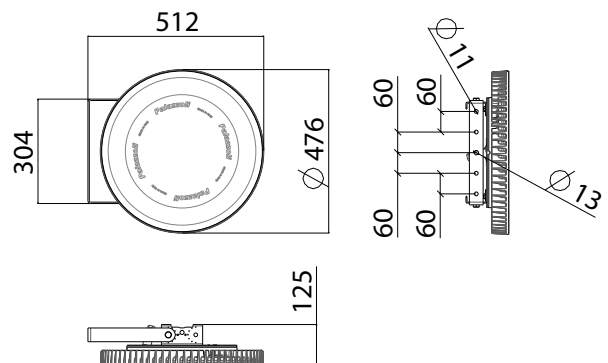
Ceiling mounting



Horizontal pole mounting

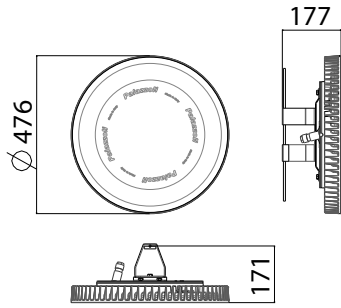


Wall mounting with bracket

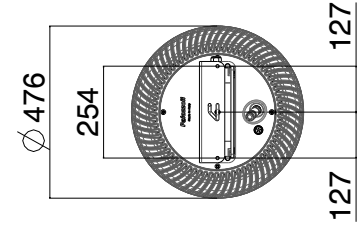
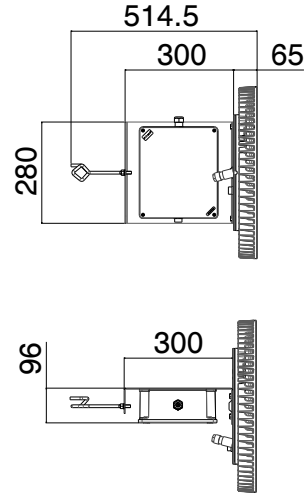


MITO Led series

Catenary wire suspension

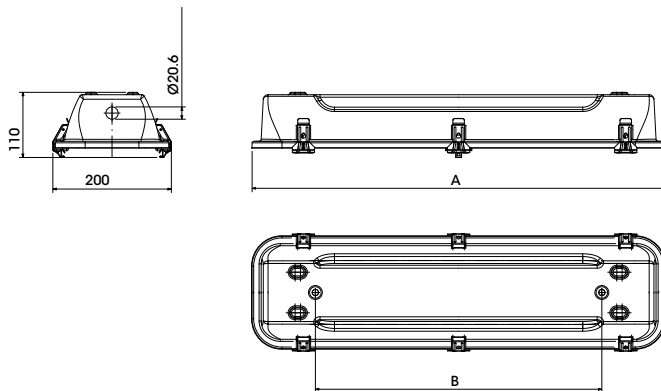


Emergency



RINO series

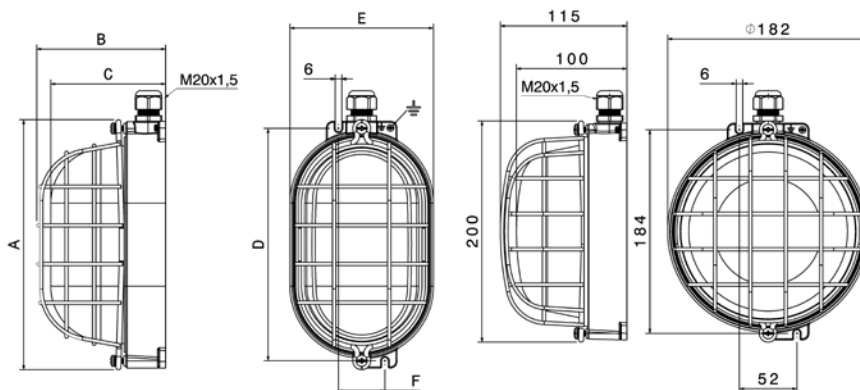
Steel lighting fixture



Fluorescent lamp type	A (mm)	B (mm)
14W T5 - 18W T8 - 24W T5	690	480
28W T5 - 36W T8 - 54W T5	1300	1090
35W T5 - 49W T5 - 58W T8 - 80W T5	1600	1395

LED type	A (mm)	B (mm)
20W - 22W - 24W - 40W (2x20)	690	480
38W - 40W (20+20) - 48W	1300	1090
44W - 58W	1600	1395

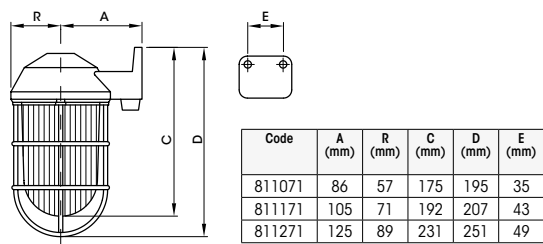
Oval and round bulkhead fixtures in aluminium alloy



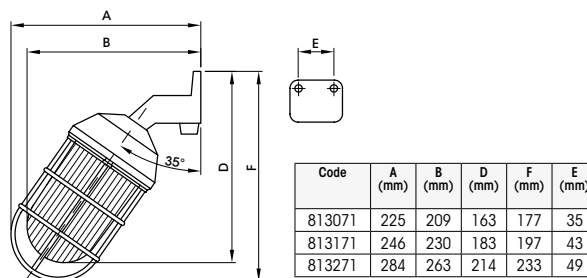
Power (W)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
18	199	119	100	184	112	42
28	226	122	105	210	130	42
53	295	142	127	278	170	52

RINO series

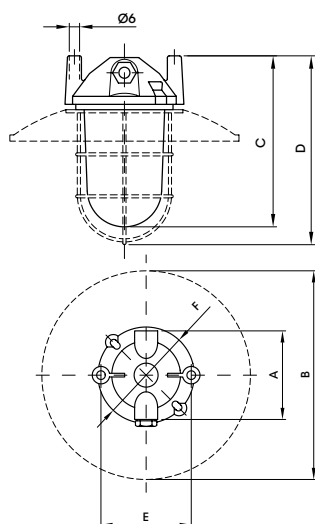
90° angled lighting fixtures in aluminium alloy



Angled lighting fixtures in aluminium alloy

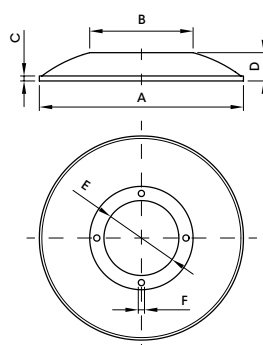


Lighting fixtures in aluminium alloy for ceiling mounting



Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
60W	106	245	180	200	108	113
100W	134	275	200	220	135	140
200W	170	325	245	265	172	177

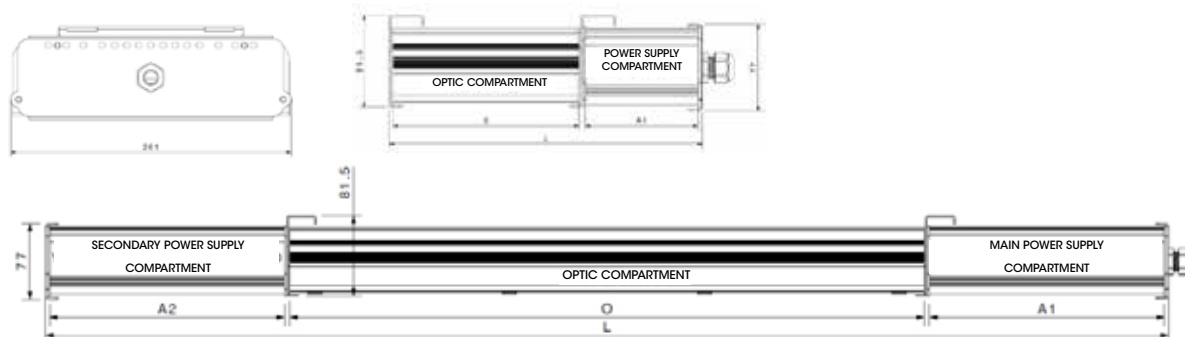
Reflectors for lighting fixtures



Code	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
819030	245	124	6	34	90	7,5
819130	275	155	7	42	116	8
819230	325	196	7	42	150	8

TUNNEL54 series

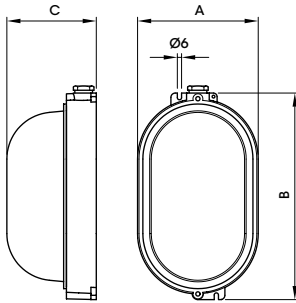
Tunnel lighting fixtures



No. Led	Rated flux (lm)	Power (W)	Non - dimmered				Reverberi or Umpi				Weight (Kg)
			A1	A2	O	L	A1	A2	O	L	
4	4160	34	100	-	165	278	180	-	165	385	4,8
6	6240	51	200	-	171	384	200	-	171	384	5,4
8	8320	68	200	-	250	463	200	-	250	463	6,0
12	12480	103	270	-	251	534	270	-	251	534	6,5
18	18720	154	270	-	330	613	270	-	330	613	7,0
24	24960	205	270	-	410	693	300	-	410	723	11,3
30	31200	257	270	-	489	772	300	-	489	802	12,0
36	37440	308	270	-	569	852	300	-	569	882	13,0
42	43680	359	270	270	648	1201	270	270	648	1201	15,5
48	49920	410	270	270	728	1281	270	270	728	1281	16,0
54	56160	462	270	270	807	1360	270	270	807	1360	16,5

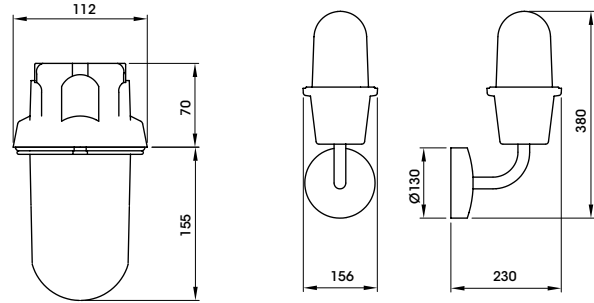
NAUTILUX series

Oval bulkhead fixtures in brass



Code	A (mm)	B (mm)	C (mm)	Weight (kg)
860100 - 861100	130	226	105	2,0
860200 - 861200	170	295	127	3,5
860211 - 861211	170	295	135	5,0

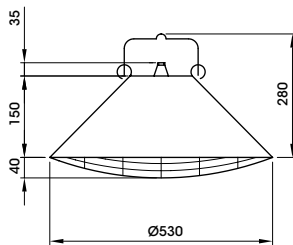
Well glass fixtures in brass



Code	Weight (kg)
860140	2,5

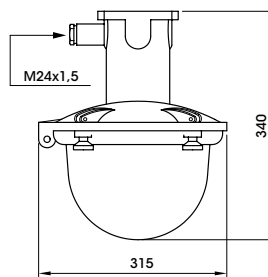
Code	Weight (kg)
861140	2,5

Suspended fixtures



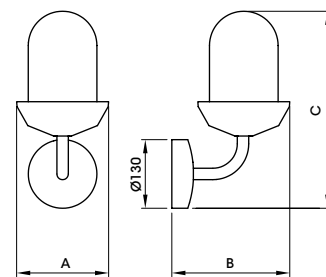
Code	Weight (kg)
861507	3,4
861508	4,2

Large fixtures



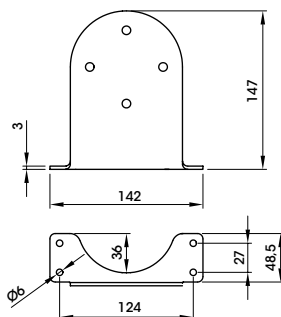
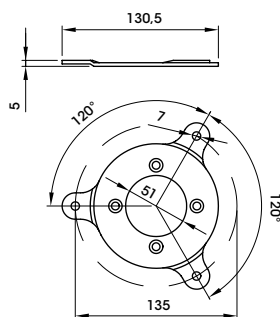
Code	Weight (kg)
860240	10,1

Well glass fixtures in aluminium alloy



Code	A (mm)	B (mm)	C (mm)	Weight (kg)
816071	126	195	320	1,4
816171	157	200	340	2,0
816271	194	230	380	2,9

Plates in steel



Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page
1				154704		1	41	810120		1	9	811100	3	1	28	820004		1	43
151910		1	42	154706		1	41	810121		1	9	811171	3	1	27	820005		1	43
151911		1	42	154708		1	41	810122		1	9	811200	3	2	28	820006		1	1521-35-37
151912		1	42	154712		1	41	810123		1	10	811271	3	1	27	820007		1	46-47
151913		1	42	154718		1	41	810124		1	10	812060	3	5	28	820008	3	1	21
151914		1	42	154724		1	41	810125		1	10	812071	3	1	26	820010		1	33
151915		1	42	154730		1	41	810150		1	9	812100	3	5	28	820011		1	33
151920		1	42	154736		1	41	810151		1	9	812171	3	1	26	820016		1	33
151921		1	42	154742		1	41	810152		1	9	812200	3	2	28	820017		1	33
151922		1	42	154748		1	41	810153		1	10	812271	3	1	26	820111	3	1	18
151923		1	42	154754		1	41	810154		1	10	812988	3	1	26	820131	3	1	18
151924		1	42	154806		1	41	810155		1	10	813060	3	1	28	820132	3	1	18
151925		1	42	154812		1	41	810171	3	1	26	813071	3	1	27	820133	3	1	18
152132		1	43	154818		1	41	810180		1	9	813100	3	2	28	820151	3	1	18
152232		1	43	8				810181		1	9	813171	3	1	27	820152	3	1	18
152962		1	43	810020		1	9	810182		1	9	813200	3	2	28	820211	3	1	18
153132		1	43	810021		1	9	810183		1	10	813271	3	1	27	820231	3	1	18
153232		1	43	810022		1	9	810184		1	10	814052	3	1	27	820232	3	1	18
153962		1	43	810023		1	10	810185		1	10	816071		1	49	820233	3	1	18
154304		1	41	810024		1	10	810190		1	9	816171		1	49	820240		1	13
154308		1	41	810025		1	10	810191		1	9	816271		1	49	820242		1	13
154312		1	41	810050		1	9	810192		1	9	819012	3	1	29	820251	3	1	18
154406		1	41	810051		1	9	810193		1	10	819015	3	1	29	820252	3	1	18
154412		1	41	810052		1	9	810194		1	10	819017	3	1	29	820311	3	1	18
154418		1	41	810053		1	10	810195		1	10	819018	3	1	29	820331	3	1	18
154424		1	41	810054		1	10	810200	3	2	28	819019	3	1	29	820332	3	1	18
154430		1	41	810055		1	10	810226		1	10	819020	3	1	29	820340		1	13
154436		1	41	810060	3	5	28	810256		1	10	819022	3	1	29	820342		1	13
154442		1	41	810071	3	1	26	810271	3	1	26	819030	3	5	29	820462	3	1	18
154448		1	41	810080		1	9	810286		1	10	819035	3	1	29	820511	3	1	18
154454		1	41	810081		1	9	810296		1	10	819112	3	1	29	820562	3	1	18
154604		1	42	810082		1	9	810991		1	11	819120	3	1	29	820662	3	1	18
154606		1	42	810083		1	10	810992		1	11	819130	3	5	29	820711	3	1	18
154608		1	42	810084		1	10	810993		1	11	819135	3	1	29	820762	3	1	18
154612		1	42	810085		1	10	810994		1	11	819212	3	1	29	820862	3	1	18
154618		1	42	810090		1	9	810995		1	11	819220	3	1	29	820911	3	1	18
154624		1	42	810091		1	9	810996		1	11	819230	3	5	29	820962	3	1	18
154630		1	42	810092		1	9	810997		1	11	819235	3	1	29	822131	3	1	17
154636		1	42	810093		1	10	810998		1	11	820000	3	1	1521-353743	822132	3	1	17
154642		1	42	810094		1	10	810999		1	11	820001	3	1	1521-3537	822140		1	13
154648		1	42	810095		1	10	811060	3	5	28	820002	3	1	21-33	822142		1	13
154654		1	42	810100	3	1	28	811071	3	1	27	820003	3	1	21-33	822211	3	1	17















Mark legend: 1 = TUV EX 2 = EX 3 = UKR 4 = EXAGENCIJA IECEX 5 = CESI EX 6 = R.i.n.a.



Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	Palazzoli code	Marks	Pack Q.ty	Catalogue page	
822231	3	1	17	831091	3	1	23	843211	3	1	20	849243		1	45	8EX				
822232	3	1	17	831092	3	1	23	843232	3	1	20	849273		1	45					
822240		1	13	831095	3	1	23	843240		1	14	849411		1	47	820111EX	2	1	37	
822242		1	13	831171	3	1	23	843242		1	14	849462	6	1	47	820131EX	1-2-4	1	37	
822311	3	1	17	831172	3	1	23	843311	3	1	20	849511		1	47	820132EX	1-2-4	1	37	
822331	3	1	17	831175	3	1	23	843332	3	1	20	849562	6	1	47	820211EX	2	1	37	
822332	3	1	17	831191	3	1	23	843340		1	14	850061		1	29	820231EX	1-2-4	1	37	
822340		1	13	831192	3	1	23	843342		1	14	850062		1	29	820232EX	1-2-4	1	37	
822342		1	13	831195	3	1	23	843462	3	1	20	850063		1	29	820311EX	2	1	37	
822762	3	1	17	831271	3	1	23	843511	3	1	20	850064		1	29	820331EX	1-2-4	1	37	
822862	3	1	17	831272	3	1	23	843562	3	1	20	850172		1	29	820332EX	1-2-4	1	37	
822962	3	1	17	831275	3	1	23	843662	3	1	20	859400		1	29	822111EX	2	1	37	
824131	3	1	18	831291	3	1	23	843711	3	1	20	859412	3	1	24	822131EX	1-2-4	1	37	
824231	3	1	18	831292	3	1	23	843762	3	1	20	860100		1	50	822132EX	1-2-4	1	37	
824331	3	1	18	831295	3	1	23	843862	3	1	20	860140		1	51	822140EX		1	35	
824561		1	18	831914	3	1	23	843911	3	1	20	860200		1	50	822142EX		1	35	
824761	3	1	18	831934	3	1	23	843962	3	1	20	860211		1	50	822181EX	2-5	1	33	
824861	3	1	18	831954	3	1	23	845111	3	1	21	860240		1	51	822182EX	2-5	1	33	
824961	3	1	18	841011		1	47	845132	3	1	21	860900		1	51	822211EX	2	1	37	
825111	3	1	19	841062	6	1	47	845211	3	1	21	860990		1	51	822231EX	1-2-4	1	37	
825132	3	1	19	841141		1	45	845232	3	1	21	861100		1	49	822232EX	1-2-4	1	37	
825211	3	1	19	841142		1	45	845240		1	15	861140		1	49	822240EX		1	35	
825232	3	1	19	841171		1	45	845242		1	15	861200		1	49	822242EX		1	35	
825240		1	14	841243		1	45	845311	3	1	21	861211		1	49	822281EX	2-5	1	33	
825242		1	14	841273		1	45	845332	3	1	21	861505		1	50	822282EX	2-5	1	33	
825311	3	1	19	841411		1	47	845562	3	1	21	861506		1	50	822311EX	2	1	37	
825332	3	1	19	841462	6	1	47	845762	3	1	21	861507		1	50	822331EX	1-2-4	1	37	
825562	3	1	19	841562	6	1	47	845962	3	1	21	861508		1	50	822332EX	1-2-4	1	37	
825762	3	1	19	842132	3	1	20	847132	3	1	21	861510		1	50	822340EX		1	35	
825962	3	1	19	842140		1	14	847140		1	15	861550		1	51	822342EX		1	35	
828132	3	1	19	842142		1	14	847142		1	15	861551		1	51	830072EX	1-2	1	39	
828140		1	14	842232	3	1	20	847211	3	1	21	878141		1	45	831072EX	1-2	1	39	
828142		1	14	842240		1	14	847232	3	1	21	878142		1	45	831172EX	1-2	1	39	
828232	3	1	19	842242		1	14	847240		1	15	878243		1	45	831272EX	1-2	1	39	
828240		1	14	842332	3	1	20	847242		1	15	878741		1	46	842140EX		1	35	
828242		1	14	842340		1	14	847332	3	1	21	878742		1	46	842142EX		1	35	
828332	3	1	19	842342		1	14	849011		1	47	879062	6	1	47	842240EX		1	35	
830071	3	1	24	842762	3	1	20	849062	3-6	1	47	879462	6	1	47	842242EX		1	35	
830072	3	1	24	842862	3	1	20	849141		1	45	879562	6	1	47	842340EX		1	35	
831071	3	1	23	842962	3	1	20	849142		1	45	881062	6	1	47	842342EX		1	35	
831072	3	1	23	843111	3	1	20	849171		1	45	881562	6	1	47					
831075	3	1	23	843132	3	1	20	849172		1	45									

Mark legend: 1 = TUV EX 2 = EX 3 = UKR 4 = EXAGENCIJA IECEX 5 = CESI EX 6 = R.i.n.d.

LIGHTING SOLUTIONS

INDUSTRY	High bay LED lighting fixtures and floodlights	 
	LED lighting fixtures	 
	Fluorescent lighting fixtures	
	Oval, round and well glass fixtures	  
ATEX	Zone 1,2,21 and 22	
	Zone 2 and 22	 
	Zone 2, 21 and 22	 
TUNNEL	LED tunnel lighting fixture <i>permanent</i>	 
	LED tunnel lighting fixture <i>reinforcing</i>	 
	Fluorescent lighting fixtures	
MARINE	LED lighting fixtures	 
	Fluorescent lighting fixtures	
ARCHITECTURAL	Oval, well glass and suspended fixtures	  



PALAZZOLI S.p.A.
ELECTROTECHNIC INDUSTRY
25128 BRESCIA - ITALY - Via F. Palazzoli, 31
tel. +39 030.2015.1 fax +39 030.2015.258
http://www.palazzoli.com
E-mail: export@palazzoli.com

Palazzoli

Fully p.u. capital 5.096.000 Euro i.v.
Fiscal code 04452750484
VAT code 03316260177
Brescia Chamber of C. N. 356562
Reg. Brescia Court N. 04452750484
Data code BS 058237

(Registered in Brescia 6 March 1956, N. 9907, Mod. 2, Vol. 359, Private Acts) OFFERS - ESTIMATES - DESIGNS

- 1 - Prices and terms are binding only at the moment we accept the order with written confirmation.
 - 2 - The terms and other commitments taken on by us with the offer are only valid if the order extends to everything that is included in the offer.
 - 3 - Estimates, general projects, etc. attached to the offer are our exclusive property and thus may not be disclosed to others without our written approval.
 - 4 - Any alteration to the offer and to these general supply terms must be in writing and limited to what has been explicitly agreed.
- WEIGHTS - DIMENSIONS - TECHNICAL DATA**
- 5 - Estimates, plans, drawings and technical data given in the catalogues, price lists and offers are only approximate until such time as they are confirmed or replaced by definitive data, total or partial, at the moment of ordering.
- PRICES**
- 6 - The prices and discounts in the price lists and offers may be subject to change depending on the requirements of the market or relating to variations in the costs of raw materials or manpower, without prior notice to customers. The prices given are ex-factory; transport, customs, duties, and rights of any nature are always to the customer's charge, unless otherwise agreed in writing.
- PACKING AND TRANSPORT**
- 7 - Returns are not accepted on packing. Under no circumstance, our company can be held liable for failed or irregular deliveries by carriers, and it is to be expressly understood that goods, even where, by special agreement, they are sold with free delivery or delivered to the customer's domicile, will always travel at the buyer's full risk. Any return of goods must be authorised beforehand by our company and arrive free of all expense in the warehouse of our factory.
- DELIVERY TERMS**
- 8 - The delivery terms agreed on are approximate and not binding and, under the clause "providing unsold" for goods signalled as being ready, it is intended to be valid only in normal work and supply conditions. In no circumstance and for no reason will our company be held liable to make a reimbursement for any direct or indirect damage due to delays in delivery.
- PAYMENT**
- 9 - The payment conditions must be agreed in writing or, otherwise, they are understood to be for the net amount in cash at the moment of delivery of the goods. In the case of delayed payment, the customer undertakes to pay interest at an average market rate applied by the Bank, increased by 4%. If the buyer does not comply with, even only partly, any of the agreed conditions for collecting the goods or for the regular payment of single invoices, our company has the option of immediately interrupting further deliveries and to consider itself released from any contractual commitment, but maintaining all rights regarding the buyer's failure to comply with the contract. Unless otherwise expressly agreed, payments must always be made directly to our company.
- CLAIMS**
- 10 - Any claims regarding goods supplied must reach us within 12 days of delivery of the same, after which time they will not be accepted. Any claim must be based on firm data in order to be taken into consideration.
We reserve the option of taking back or replacing goods that the customer demonstrates to us to be defective, but we will not acknowledge any payment made for repairs or exchange which have been done without our authorisation. It is to remain understood that any claims put forward on single parts of the order will not affect the rest of the order or undertaking, nor the payment for goods received without objection.
- WARRANTIES**
- 11 - The warranties that we adopt for material manufactured by us will last 12 months from the date of the invoice concerned. It is understood that, during this period, we undertake to repair or replace free of charge in our workshop those parts or fixtures which, by defect in manufacture or materials, are seen to be unusable. Nonetheless, we reserve the right to decide in our sole opinion, if it is better to repair or to replace them. We shall not send our staff on site for inspection purposes of places where our equipment has been used in systems, apart from those cases where it is necessary to check the operating conditions to which our equipment has been subject.
 - 12 - Our warranty has natural effect only if the apparatus has been perfectly installed and managed, they have not been tampered with or modified, and all the technical regulations contained in our catalogues and instruction sheets have been followed. The warranty does not cover those items which, by the nature of the material of which the items are made or due to their specific use, are subject to early wear, and in the same way, breakdowns due to normal wear and tear are excluded.
 - 13 - The customer must give written notice of faults and defects detected, with a precise report on their nature. We undertake to repair or replace the item, within a reasonable period, as per the above mentioned circumstances and terms. Material to repair or replace must be returned to us free of charge.
 - 14 - Our company, with the repair or replacement of items or parts which were defective, is to be considered released of all further liability. Moreover, the customer must, by way of this, consider himself satisfied and waive any request for damages and expenses. In particular cases we may permit the customer to provide for repair or replacement himself, with our only obligation being to reimburse the out-of-pocket expenses acknowledged as being essential for putting our equipment into working condition.
 - 15 - If there should be a dispute of a technical nature, the parties will obtain the opinion of an inspector to be nominated by agreement or, if there is a dispute over the nomination, then the person will be appointed by the presiding judge of Brescia Court.
 - 16 - We will not accept any costs that the buyer has incurred, not even during the warranty period, without our prior written agreement.
 - 17 - Our company reserves the right to use, in the manufacture of its equipment, any material that it deems suitable and to make any changes in shape, weight or dimensions in its products that it feel appropriate.
- DISPUTES**
- 18 - The contracts, even if stipulated with foreign companies or persons or for material supplied abroad, are governed by current Italian law. The competent court will only be that of Brescia notwithstanding articles 31 (et seq.) of the Italian Civil Procedure Code, thereby excluding the customer possibility of having recourse to Judicial Authorities of any other place, even for investigations or in any connection with the case, but permitting the supplying company the option of taking legal proceedings, as a plaintiff, in the customer place of residence, in Italy or abroad.
 - 19 - Any disputes do not release the customer from complying with the payment terms and do not imply any extension to the times agreed.

Palazzoli reserves the right to modify or improve the product at any time without prior notice.

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25128 BRESCIA - ITALY - Via F. Palazzoli, 31

Lighting solutions

mitoled.com

palazzoli.com



Palazzoli S.p.A. Via F. Palazzoli, 31 - 25128 Brescia - Italy - Tel. +39 030 2015.1 - Fax +39 030 2015.258 - www.palazzoli.com - export@palazzoli.com