RINO

AISI 304
stainless steel

LIGHTING

Palazzoli

RINO

Simplified installation

The fastening system with eyebolts enables the luminaire to be mounted to the ceiling without opening it. The light fixture is powered by means of a connector for quick connection to the power grid.

Resistant and safe

The stainless steel casing and the total absence of welded joints guarantee a high resistance to corrosion and aggressive atmospheres.
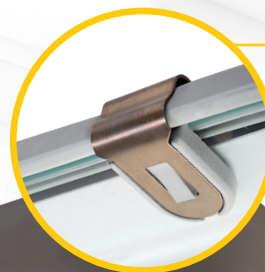
Improved visual comfort

The extra wide beam, narrow beam and comfort optics using specialist lenses with a glare index of UGR<22.

Efficient and effective

The latest generation of LED technology ensures high luminous efficiency up to 142 lm/W.

Wide range of solutions and accessories

RINO is the new series of watertight light fixtures in AISI 304 stainless steel and painted galvanized steel. They are also suitable for applications where greater resistance to environmental aggression is required.

There are 5 versions available:
- On/Off
- DALI
- Emergency 1h and 3h
- HT +55 °C

and various fastening accessories:

Pendant
(standard)

Adjustable
code 820010

Ceiling
code 820017

Pole fitting
code 820016

Environments and materials

AISI 304 stainless steel

Material characterized by a higher resistance to oxidation and corrosion. Easy to clean and with excellent hygienic coefficient.

Suitable for: cellars, poultry sheds, kitchen hoods, livestock industries, greenhouses and with redundancy in all environments where galvanized steel is required.

Painted galvanized steel

Material with a zinc coating to protect the steel from corrosion. Special care is used in the cleaning phase to avoid damaging the protective coating.

Suitable for: storage areas, cold storage rooms, garages, gymnasiums, prisons, electrical and mechanical industries.

Glass diffuser

The glass diffuser maintains the characteristics of high transparency and guarantees the uniformity of the luminous flux over time.
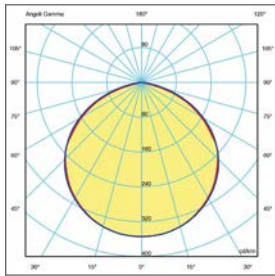
Polycarbonate diffuser

The UV stabilized polycarbonate diffuser meets the HACCP requirements for food environments and maintains its characteristics over time.
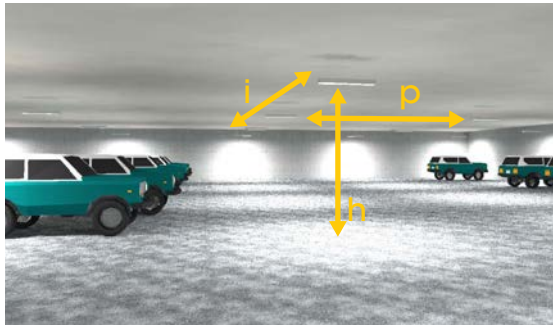
Custom light

EXTRA WIDE BEAM OPTICS
opening: 110°

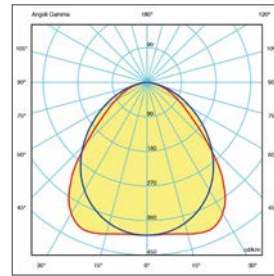For effective illumination of the whole area.

For heights from 3 m to 5 m

Installation example:

Device code 822482 (63w – 8946lm)

(h) installation height: 3.5 m

(i) interdistance between devices in a row: 9 m

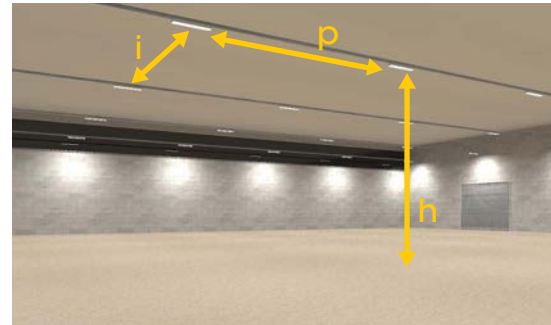(p) span between rows: 9.5 m

COMFORT OPTICS
opening: 88°

UGR < 22

It reduces glare and controls the emission in the transverse plane, restricting the emission for angles above 60°.

For heights from 5 m to 10 m

Installation example:

Device code 821482 (63w – 8631lm)

(h) installation height: 8 m

(i) interdistance between devices in a row: 9 m

(p) span between rows: 9.5 m

NARROW BEAM OPTICS
opening: 30° x 90°
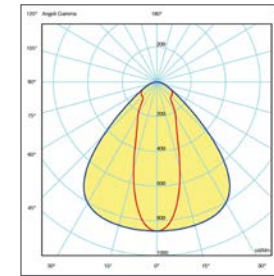
UGR < 22

It enables to have large longitudinal spans in the presence of shelvings. The control of the light beams by means of the lenses makes the work environment comfortable.

For longitudinal spans with shelvings

Installation example:

Device code 820482 (63w – 8001lm)

(h) installation height: 8 m

(i) aisle width: 2.5 m

(p) span between rows: 12 m

RINO

Values that have always inspired Palazzoli products.

Data sheet

Watertight LED light fixtures for use in industrial, commercial and food environments. The body is made of a single piece of AISI 304 stainless steel or galvanized steel without welded joints, able to withstand harsh environmental conditions.

The diffuser in tempered glass or UV stabilized polycarbonate is attached to the body, thanks to a system of AISI 304 stainless steel fastenings. The IP66 rating is guaranteed by a reinforced gasket in anti-ageing elastomer. The light fixture is equipped with M8 threaded eyebolts that are screwed to the body with no need to open the luminaire. They enable mounting the luminaire to chains, ropes and lighting busbars. Wiring is made with high-temperature cables with a maximum cross-section of 1.5 mm².

The luminaire are equipped with an external hermetic IP66/IP67 connector for the entry of cables with a maximum cross-section of 1.5 mm² and sheath diameter of 7 mm to 13 mm.

DALI | **HT +55 °C**

ON REQUEST: in addition to the codes in the brochure, it is possible to request all the light fixtures combining the materials, optics, power supplies and operating temperatures indicated in the range. Versions with feed-through wiring are also available.

The complete range of LED light fixtures for Marine and Atex applications is available on www.palazzoli.com

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

Compliance with standards	Directive 2014/35/EU EN 60598-1 EN 60598-2-1 EN 62471 EN 60598-2-22 EN 62493 IEC/TR 62778 Directive 2014/30/EU EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 Directive 2011/65/EU EN 50581 EN 60598-2-24
Body material	AISI 304 stainless steel Painted galvanized steel
Diffuser material	Tempered glass and UV stabilised polycarbonate
Protection rating (IP as per IEC/EN 60529)	IP66
Paint	Non-toxic polyester resistant to weather conditions and UV rays
Colour	RAL 9016 (painted galvanized steel version)
Impact resistance (IK rating as per IEC/EN 62262)	IK09
Corrosion class according to ISO 9223	C5 AISI 304 stainless steel C4 painted galvanized steel
Weight	Light fixture length 690 mm: 3.4 kg Light fixture length 1300 mm: 6.2 kg
LED device efficiency	up to 142 lm/W
Colour temperature	4000K
CRI	≥ 80
Insulation class	I
Supply voltage	220V-240V 0-50-60Hz
Input surge protection according to EN 61000	2 kV
Residual flicker	< 3%
Photobiological risk	Exempt
Glare index	UGR < 22
Power factor	≥0.95
Max. conductor cross-section	1.5 mm²
Entry cable diameter	7-13 mm
Emergency battery lifetime	1h-3h
Emergency battery charging time	24h
Estimated device lifetime	L80 B10 @50.000h Tq=25 °C Tq= +55 °C (HT version)
Storage temperature	-40 °C - +70 °C
Operating temperature	-30 °C - +45 °C 0 °C - +35 °C (emergency version) -30 °C - +55 °C (HT version) (Special solutions for low temperature applications available on request)

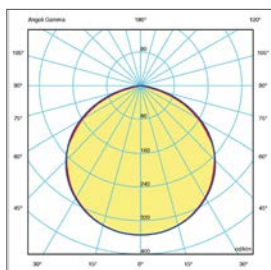**CORROSION RESISTANT** | **ABSENCE OF WELDED JOINTS** | **FLICKER FREE** | **ENERGY SAVING UP TO 60%**

Glass

| 50000h | -30°C +45°C | up to 142 lm/W |

LED light fixture
in **stainless steel-glass**
with **extra wide beam optics 110°**
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3692	2x18 - T8		**822182**	1
40	690	6440	5640	2x36 - T8		**822282**	1
52	1300	8200	7384	2x58 - T8	on-off as standard	**822382**	1
63	1300	11000	8946	2x80 - T5		**822482**	1
75	1300	12200	10575	1x150 - ME		**822582**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

| 50000h | -30°C +45°C | up to 137 lm/W | UGR < 22 | with comfort 88° lens |

LED light fixture
in **stainless steel-glass**
with **comfort 88°**
extra wide beam optics
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3562	2x18 - T8		**821182**	1
40	690	6440	5400	2x36 - T8		**821282**	1
52	1300	8200	7072	2x58 - T8	on-off as standard	**821382**	1
63	1300	11000	8631	2x80 - T5		**821482**	1
75	1300	12200	9900	1x150 - ME		**821582**	1
26	690	4100	3562	2x18 - T8		**821180**	1
40	690	6440	5400	2x36 - T8		**821280**	1
52	1300	8200	7072	2x58 - T8	emergency 1h	**821380**	1
63	1300	11000	8631	2x80 - T5		**821480**	1
75	1300	12200	9900	1x150 - ME		**821580**	1
26	690	4100	3562	2x18 - T8		**821183**	1
40	690	6440	5400	2x36 - T8		**821283**	1
52	1300	8200	7072	2x58 - T8	emergency 3h	**821383**	1
63	1300	11000	8631	2x80 - T5		**821483**	1
75	1300	12200	9900	1x150 - ME		**821583**	1
52	1300	8200	7072	2x58 - T8		**821382DA**	1
55	1300	9547	7518	2x80 - T5	DALI	**821482DA**	1
71	1300	11947	9428	1x150 - ME		**821582DA**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

EMERGENCY FLUX 1-3h		
Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Emergency output flux (lm) Tq= 25 °C
4100	3562	770
6440	5400	
8200	7072	
11000	8631	940
12200	9900	

AISI 304 stainless steel

CORROSION RESISTANT

ABSENCE OF WELDED JOINTS

FLICKER FREE

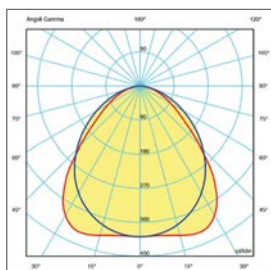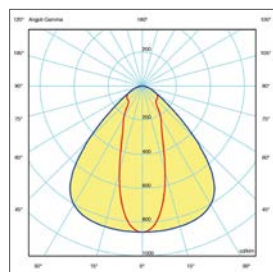ENERGY SAVING UP TO 60%

| 50000h | -30°C +45°C | up to 127 lm/W | UGR < 22 | with 30°x90° lens |

LED light fixture
in **stainless steel-glass**
with **narrow beam optics 30°x90°**
IP66

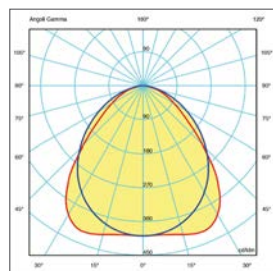| Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
52	1300	8200	6500	2x58 - T8	on-off as standard	820382	1
63	1300	11000	8001	2x80 - T5		820482	1
75	1300	12200	9375	1x150 - ME		820582	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011. Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

HT +55°C industrial

High temperatures

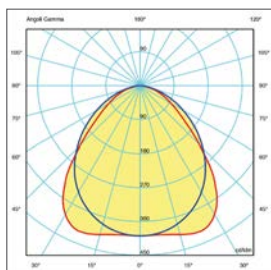| 50000h | -30 °C +55°C | up to 142 lm/W | UGR < 22 | with comfort 88° lens |

LED light fixture **HT +55°C**
stainless steel-glass
with **comfort 88°**
extra wide beam optics
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
33	1300	5738	4700	2x36 - T8	on-off as standard	821382HT	1
45	1300	7919	6404	2x58 - T8		821482HT	1
54	1300	8830	7600	2x80 - T5		821582HT	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011. Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

AISI 304 stainless steel

CORROSION RESISTANT

ABSENCE OF WELDED JOINTS

FLICKER FREE

ENERGY SAVING UP TO 60%

Polycarbonate

50000h	**-30°C +45°C**	up to **137** lm/W	**UGR < 22**	with **comfort 88°** lens

LED light fixture
stainless steel-polycarbonate
with **comfort 88°**
extra wide beam optics
IP66

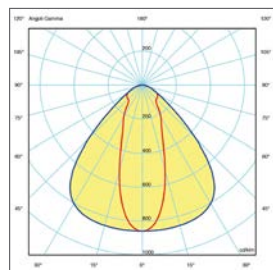| Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3562	2x18 - T8	on-off as standard	**826182**	1
40	690	6440	5400	2x36 - T8		**826282**	1
52	1300	8200	7072	2x58 - T8		**826382**	1
63	1300	11000	8631	2x80 - T5		**826482**	1
75	1300	12200	9900	1x150 - ME		**826582**	1
52	1300	8200	7072	2x58 - T8	emergency 1h	**826380**	1
63	1300	11000	8631	2x80 - T5		**826480**	1
75	1300	12200	9900	1x150 - ME		**826580**	1
52	1300	8200	7072	2x58 - T8	emergency 3h	**826383**	1
63	1300	11000	8631	2x80 - T5		**826483**	1
75	1300	12200	9900	1x150 - ME		**826583**	1
52	1300	8200	7072	2x58 - T8	DALI	**826382DA**	1
55	1300	9547	7518	2x80 - T5		**826482DA**	1
71	1300	11947	9428	1x150 - ME		**826582DA**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

EMERGENCY FLUX 1-3h		
Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Emergency output flux (lm) Tq= 25 °C
8200	7072	
11000	8631	940
12200	9900	

AISI 304 stainless steel

CORROSION RESISTANT

ABSENCE OF WELDED JOINTS

FLICKER FREE

ENERGY SAVING UP TO 60%

Polycarbonate

| 50000h | -30°C +45°C | up to 127 lm/W | UGR < 22 | with 30°x90°lens |

LED light fixture
stainless steel-polycarbonate
with **narrow beam optics 30°x90°**
IP66

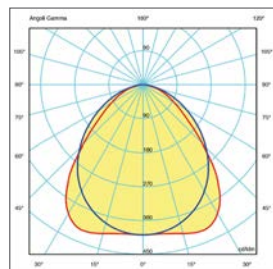| Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
52	1300	8200	6500	2x58 - T8		825382	1
63	1300	11000	8001	2x80 - T5	on-off as standard	825482	1
75	1300	12200	9375	1x150 - ME		825582	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011. Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

HT +55°C industrial

High temperatures

Polycarbonate

| 50000h | -30 °C +55°C | up to 142 lm/W | UGR < 22 | with comfort 88° lens |

LED light fixture **HT +55°C**
stainless steel-polycarbonate
with **comfort 88°**
extra wide beam optics
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
33	1300	5738	4700	2x36 - T8		826382HT	1
45	1300	7919	6404	2x58 - T8	on-off as standard	826482HT	1
54	1300	8830	7600	2x80 - T5		826582HT	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011. Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

Painted galvanized steel

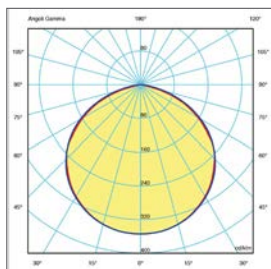CORROSION RESISTANT | ABSENCE OF WELDED JOINTS | FLICKER FREE | ENERGY SAVING UP TO 60%

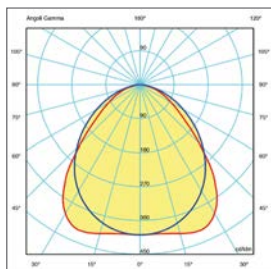
50000h | -30°C +45°C | up to **142** lm/W

LED light fixture in **painted galvanized steel glass** with **110° extra wide beam optics** **IP66**

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3692	2x18 - T8		**842182**	1
40	690	6440	5640	2x36 - T8		**842282**	1
52	1300	8200	7384	2x58 - T8	on-off as standard	**842382**	1
63	1300	11000	8946	2x80 - T5		**842482**	1
75	1300	12200	10575	1x150 - ME		**842582**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

50000h | -30°C +45°C | up to **137** lm/W | UGR < 22 | with **comfort 88°** lens

LED light fixture in **painted galvanized steel glass** with **comfort 88° extra wide beam optics** **IP66**

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3562	2x18 - T8		**841182**	1
40	690	6440	5400	2x36 - T8		**841282**	1
52	1300	8200	7072	2x58 - T8	on-off as standard	**841382**	1
63	1300	11000	8631	2x80 - T5		**841482**	1
75	1300	12200	9900	1x150 - ME		**841582**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

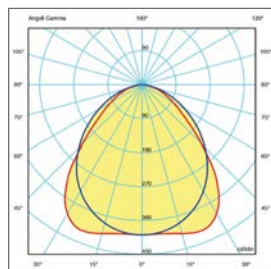50000h | -30°C +45°C | up to **127** lm/W | UGR < 22 | with **30°x90°** lens
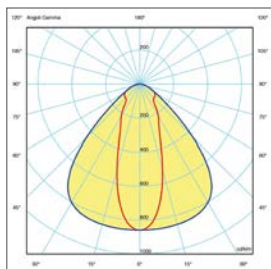
LED light fixture in **painted galvanized steel glass** with **30°x90° narrow beam optics** **IP66**

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
52	1300	8200	6500	2x58 - T8		**840382**	1
63	1300	11000	8001	2x80 - T5	on-off as standard	**840482**	1
75	1300	12200	9375	1x150 - ME		**840582**	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

Painted galvanized steel

CORROSION RESISTANT

ABSENCE OF WELDED JOINTS

FLICKER FREE

ENERGY SAVING UP TO 60%

**50000h** | **-30°C +45°C** | up to **137** lm/W | **UGR < 22** | with **comfort 88°** lens

LED light fixture in **painted galvanized steel polycarbonate** with **comfort 88° extra wide beam optics**
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
26	690	4100	3562	2x18 - T8		846182	1
40	690	6440	5400	2x36 - T8		846282	1
52	1300	8200	7072	2x58 - T8	on-off as standard	846382	1
63	1300	11000	8631	2x80 - T5		846482	1
75	1300	12200	9900	1x150 - ME		846582	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

50000h | **-30°C +45°C** | up to **127** lm/W | **UGR < 22** | with **30°x90°** lens
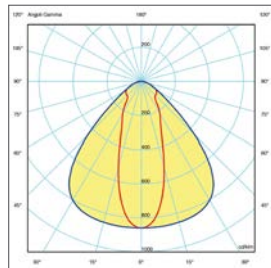
LED light fixture in **painted galvanized steel polycarbonate** with **30°x90° narrow beam optics**
IP66

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Correspondence to traditional lamps (W)	Version	Palazzoli code	Pack Qty
52	1300	8200	6500	2x58 - T8		845382	1
63	1300	11000	8001	2x80 - T5	on-off as standard	845482	1
75	1300	12200	9375	1x150 - ME		845582	1

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting, code 820011.
Power supply with quick connector.
Notes: the stated values may be subject to a +/- 7% tolerance.

Accessories

Adapting kit
for ceiling mounting

Manufacturing material	Light fixture length (mm)	Distance between fixing holes (mm) min. max.	Palazzoli code	Pack Qty
AISI 304 stainless steel	690	100 - 1050	**820018**	1
	1300	650 - 1550		

Note: in case of relamping, the adapting kit allows to match the fixing distances of the light fixture to those already present in the system.

Quick fastening kit
for ceiling mounting

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	**820019**	1

Pair of adjustable supports for wall or ceiling mounting of steel light fixtures with screw connections

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	**820010**	1

Pair of collars for mounting steel light fixtures on tube with screw connection

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	**820016**	1

Pair of "V" brackets for ceiling mounting of steel light fixtures with screw connection

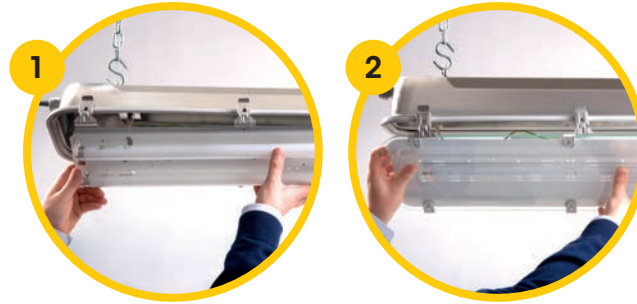| Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	**820017**	1

Pair of eyebolts for pendant mounting of steel light fixtures with screw connection

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	**820011**	1

Retrofit kit

LED reflector
with glass diffuser
for retrofit

The **retrofit kit** allows you to convert
the fluorescent light fixture into
a LED light fixture with a simple
removal/replacement operation.

Device power (W)	Length (mm)	Nominal flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Version	Palazzoli code	Pack Qty
26	690	4100	3562	on-off as standard	**821184**	1
52	1300	8200	7072		**821384**	1

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

Dimensions

A

B

99
196
Glass
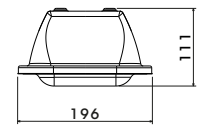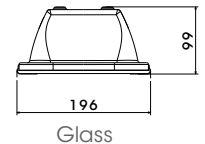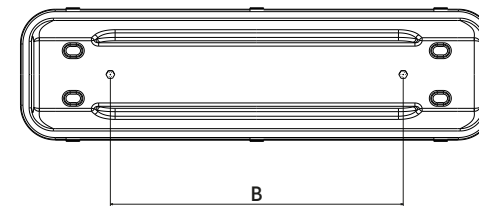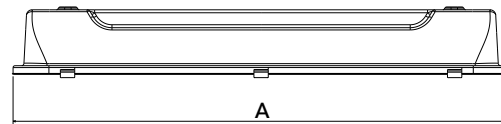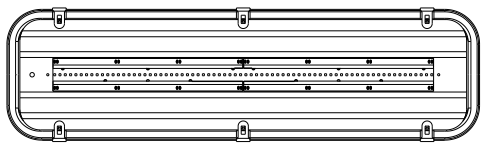
111
196
Polycarbonate

Length A (mm)	B (mm)
690	430
1300	950

AIRC

Palazzoli contributes to the Research
on Breast Cancer Immunotherapy

Customer focused operations

Smart engineering

Top manufacture

Service excellence

Ultima

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