

LIGHTING

INDUSTRY

ATEX

INFRASTRUCTURE

MARINE

CATALOGUE 2024
products for
High Temperatures

Palazzoli

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LED floodlights



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MARINE

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LED light fixtures



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Traditional light fixtures



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Palazzoli has one of the few
goniophotometers in Italy,
with which it is possible to test
both mass-produced products
and light fixtures dedicated to
special projects.



TIGUA

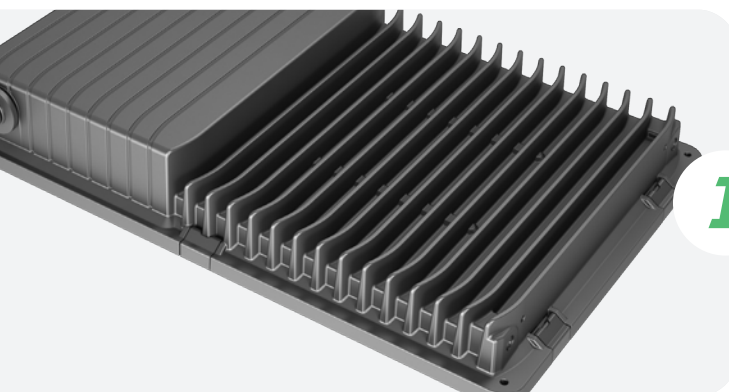




TIGUA floodlight

4,000 K - 230,000 h

ADVANTAGES



1

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

This range of optics consists of 2 symmetrical beams, 4 asymmetrical beams and 1 suited to roadway; this makes it suitable for all kinds of installations, while guaranteeing optimum visual comfort. Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.



2

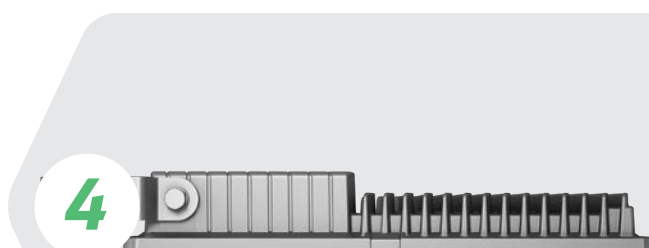


3

TIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.

The TIGUA is a very powerful light fixture, while being compact and easy to handle: 6.5 kg only.

The device features a connector that enables a quick connection to the power grid, with no need to open the device.



4



TIGUA floodlight

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

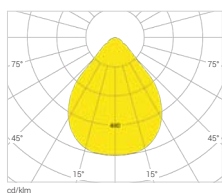
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -135° to 135°
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 145 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 70 according to EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm

Special versions with colour temperatures from 3000K to 6500K, loop in loop out and supply voltage 110V can be made.



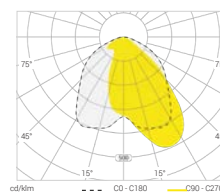
TIGUA floodlight

4,000 K - 230,000 h



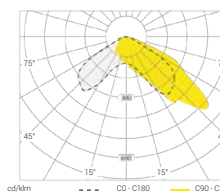
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	837011*
95	14004	11670			837012*
115	20000	16700			837025HT



Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	837211*
95	14004	11670			837212*
115	20000	16700			837225HT



Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	837711*
95	14004	11670			837712*
115	20000	16700			837725HT

Equipment included: wall-mounting bracket.

Power supply with 3P quick connector.

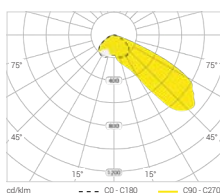
The stated flux and power values may be subject to a +/- 7% tolerance.

* The maximum operating temperature is +60°C.



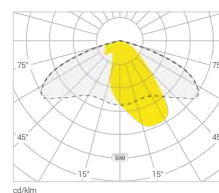
TIGUA floodlight

4,000 K - 230,000 h



Asymmetrical 55° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	837511*
95	14004	11670			837512*
115	20000	16700			837525HT



Roadway optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
48	7002	5835	glass	on-off	837411*
95	14004	11670			837412*
115	20000	16700			837425HT

Notes: version with built-in pole-top mounting available on request.

Equipment included: wall-mounting bracket.

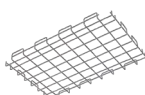
Power supply with 3P quick connector.

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

* The maximum operating temperature is +60°C.



Accessories TIGUA floodlight



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	811911



Support for wall mounting
with projecting arm – 750mm
projection

Manufacturing material	Palazzoli code
painted galvanised steel	811914



Universal mounting bracket
for pole-top installation for 60 mm
and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	811908



Kit consisting of collar and plate
for 60 mm and 76 mm
nominal Ø poles

Manufacturing material	Palazzoli code
painted galvanised steel	811912



3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm ²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.

XTIGUA





XTIGUA floodlight

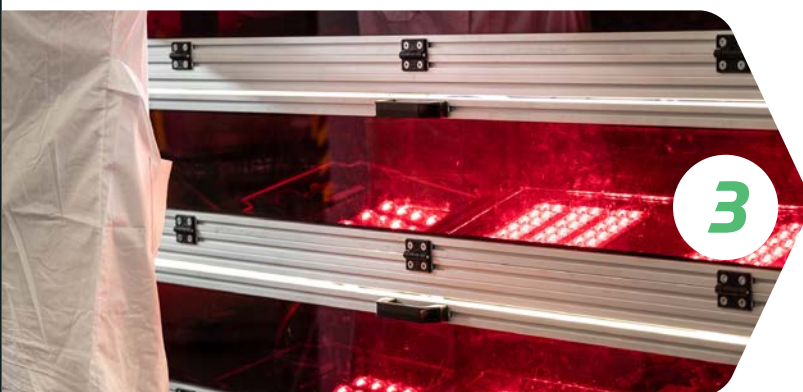
4,000 K - 230,000 h

ADVANTAGES



The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

This range of optics consists of 2 symmetrical and 4 asymmetrical beams; this makes it suitable for all kinds of installations, while ensuring the best visual comfort. Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.



XTIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.

The driver, built into the luminaire, allows for fast and secure cabling. The device features a connector that enables a quick connection to the power grid, with no need to open the device.





XTIGUA floodlight

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

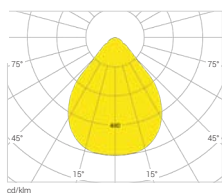
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -110° to 110°
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 160 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 70 according to EN 62717
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm

Special versions with colour temperatures from 3000K to 6500K, loop in loop out and supply voltage 110V can be made.



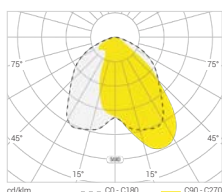
XTIGUA floodlight size M

4,000 K - 230,000 h



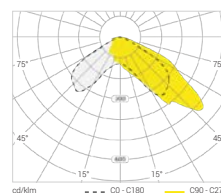
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
161	27900	23300	glass	DALI	838036HT
192	37300	31100			838048HT



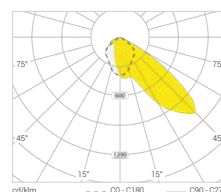
Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
161	27900	23300	glass	DALI	838236HT
192	37300	31100			838248HT



Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
161	27900	23300	glass	DALI	838736HT
192	37300	31100			838748HT



Asymmetrical 55° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
161	27900	23300	glass	DALI	838536HT
192	37300	31100			838548HT

Equipment included: wall-mounting bracket.

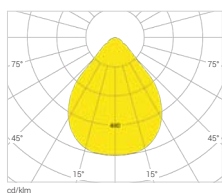
Power supply with 5Px1.5mm² quick connector and 1.5mm² H07RN-F cable.

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



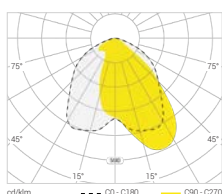
XTIGUA floodlight size L

4,000 K - 230,000 h



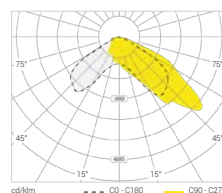
Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
241	46680	38900	glass	DALI	838060HT
290	55900	46600			838072HT



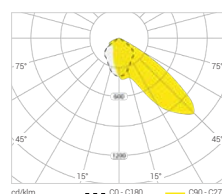
Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
241	46680	38900	glass	DALI	838260HT
290	55900	46600			838272HT



Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
241	46680	38900	glass	DALI	838760HT
290	55900	46600			838772HT



Asymmetrical 55° narrow beam optics

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
241	46680	38900	glass	DALI	838560HT
290	55900	46600			838572HT

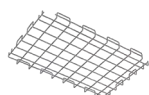
Equipment included: wall-mounting bracket.

Power supply with 5Px1.5mm² quick connector and 1.5mm² H07RN-F cable.

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



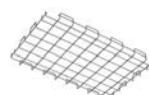
Accessories XTIGUA floodlight



Protection grid for XTIGUA LED floodlights
Size M, XL

Manufacturing material	Palazzoli code
galvanised steel	818992

Notes: for sizes XL and XXL use 2 grids.



Protection grid for XTIGUA LED floodlights
Size L, XXL

Manufacturing material	Palazzoli code
galvanised steel	818993

Notes: for sizes XL and XXL use 2 grids.



Cross beam for pole-top installation
for 1 XTIGUA series floodlight

Manufacturing material	Palazzoli code
painted galvanised steel	818990

Notes: cross beam suitable for mounting up to 2x floodlights of size M, L or XL. For size XXL, the cross beam code is 818991. The cross beam can be installed on $\varnothing$ 60 to $\varnothing$ 76 mm poles.



Cross beam for pole-top installation
for 2 or 4 XTIGUA series floodlights

Manufacturing material	Palazzoli code
painted galvanised steel	818991

Notes: cross beam suitable for mounting up to 2 floodlights size L, XXL or 4 floodlights size M, XL. The cross beam can be installed on $\varnothing$ 60 to $\varnothing$ 76 mm poles.



3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm ²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.

RINO





RINO LED

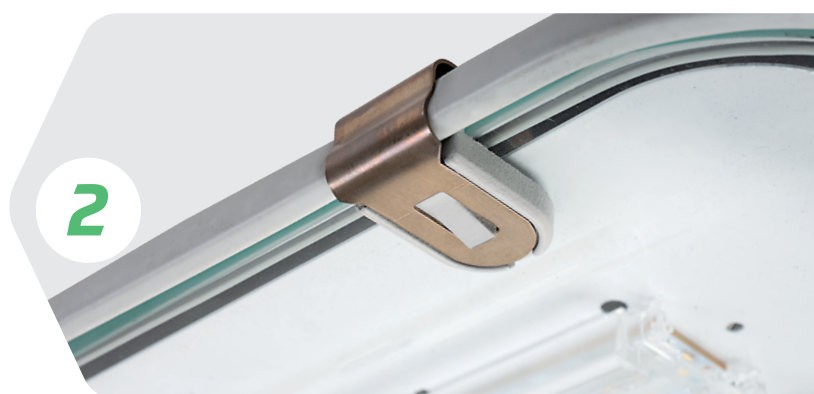
4,000 K - 50,000 h

ADVANTAGES



The fastening system with eyebolts enables the device 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.

The stainless steel casing and the total absence of weld joints guarantee a high resistance to corrosion and aggressive atmospheres.



The latest generation of LED technology ensures high luminous efficacy up to 181 lm/W.

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





RINO LED

4,000 K - 50,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

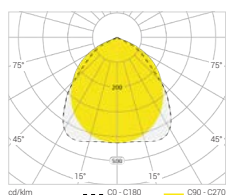
Body material	AISI 304 stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9016 (painted galvanised steel version)
Diffuser material	Tempered glass and UV stabilised polycarbonate
Protection rating	IP66
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 304 stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	142 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 3%
Luminous flux maintenance	L80 B10 @50,000 h Tq= +55°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	2 kV common mode and differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	1.5 mm ²
Entry cable diameter	9 to 12 mm

Special versions in AISI 316L stainless steel, with colour temperatures from 3000K to 6500K, loop in loop out and supply voltage 110V can be made.



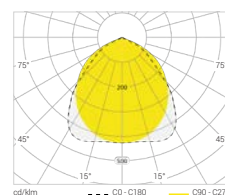
RINO LED 1300 mm

4,000 K - 50,000 h



Symmetrical extra wide beam optics, comfort 88°

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
AISI 304 stainless steel High temperature +55°C					
33	5738	4700	glass	on-off	821382HT
45	7919	6404			821482HT
54	8830	7600			821582HT



Symmetrical extra wide beam optics, comfort 88°

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
AISI 304 stainless steel HACCP food high temperature +55 °C					
33	5738	4700	HACCP polycarbonate	on-off	826382HT
45	7919	6404			826482HT
54	8830	7600			826582HT

Equipment included: pair of AISI 304 stainless steel eyebolts for pendant mounting.
Power supply with quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.



Accessories RINO LED



Pair of adjustable supports
for wall or ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820010



Pairs of hooks
for pendant mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820011



Pair of collars
for mounting steel light fixtures
on tube

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820016



3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm ²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.



Pairs of "V" supports
for ceiling installation

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820017



Pendant mounting
and ceiling adaptation kit

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820018

Notes: in the case of relamping, the adapter kit enables to adjust the fixing distances of the light fixture to those already present in the system.



Quick fastening kit
for ceiling mounting

Manufacturing material	Palazzoli code
AISI 304 stainless steel	820019

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected.
IP66/IP68: protected against penetration of water, dust and pressurized water jets.
Quick installation: no terminal blocks are required for wiring.

RINO LED

illuminates the San Giorgio Bridge in Genoa



META₁₅₀

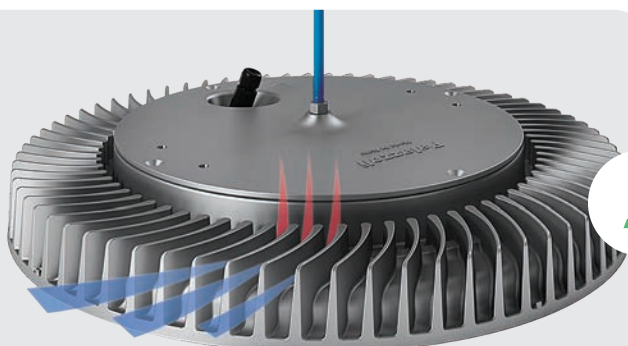




META150 pendant mounting

4,000 K - 230,000 h

ADVANTAGES



1

The efficient thermal management system and the air recirculation valve ensure that electronic devices remain in optimal condition over time.

The innovative pendant mounting system allows inefficient light fixtures to be replaced with a simple remove and replace operation with no need of adjustments and regulations. Each META150 comes with a watertight connector for quick plug and play connection.

2



3



META150 can be mounted as a pendant, on busbar, ceiling, pole, wall, light tower and catenary wire.

META150 received special recognition in Germany: Red Dot Design Award, the world's most important and prestigious design award.



reddot design award

4





META₁₅₀ pendant mounting

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

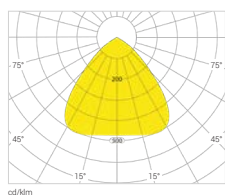
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-30°C - +60°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 151 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Glare index	UGR < 22
Residual flicker	< 1%
Luminous flux maintenance	L90 B10@110,000 h Tq= +40°C L90 B10@230,000h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm

Special versions with colour temperatures from 3000K to 6500K and supply voltage 110V can be made.



META₁₅₀ pendant mounting

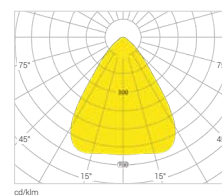
4,000 K - 230,000 h



Extra wide beam optics, comfort 90°
High temperature +60 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
73	12700	10775	glass	DALI	810430HT
97	16900	14317			810440HT
112	20300	16912			810450HT
134	24200	20234			810460HT

Notes: recommended installation height: between 5 m and 8 m.



75° medium beam optics
High temperature +60 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
73	12700	10600	glass	DALI	810431HT
97	16900	14085			810441HT
112	20300	16576			810451HT
134	24200	19832			810461HT

Notes: recommended installation height: between 6 m and 9 m.

Devices designed for operation in centralised emergency lighting systems (Vac/Vdc).
Special versions with the stand-alone emergency kit are available on request.
Equipment included: pendant quick connection Power supply with 5P quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.



META pendant mounting

4,000 K - 110,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

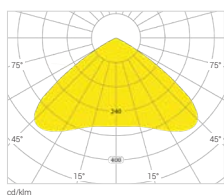
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Quick connection for pendant mounting
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 110 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20@110,000h Tq= +55°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	10 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm

Special versions with supply voltage 110V can be made.



META pendant mounting

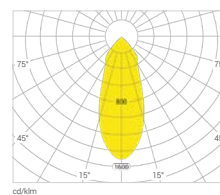
4,000 K - 110,000 h



110° extra wide beam optics
High temperature +55°C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
76	10187	8339	glass	dimmable 1-10V	810090HT
102	13583	11118			810020HT
128	16979	13898			810050HT
153	20374	16677			810080HT

Notes: recommended installation height: between 4 m and 8 m.



41° narrow beam optics
High temperature +55 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
76	10187	8140	glass	dimmable 1-10V	810091HT
102	13583	10854			810021HT
128	16979	13567			810051HT
153	20374	16281			810081HT

Notes: recommended installation height: between 6 m and 9 m.

Features: the extra wide beam and the narrow beam optics are supplied with quick connection for pendant mounting, the elliptical optics is equipped with a double-chain bracket.
Power supply with 5P quick connector.
The stated flux and power values may be subject to a +/- 7% tolerance.



Accessories META₁₅₀ and META pendant mounting



Adjustable bracket
for wall installation
poles and light towers

Manufacturing material	Palazzoli code
galvanised steel	810999



Catenary wire installation bracket
0-90° adjustable

Manufacturing material	Palazzoli code
galvanised steel	810994



0-90° swivelling attachment
for double chain
and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	810996



Bracket for double chain
and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	810997



Bracket
for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	810998



Bracket for installation
with Ø 60 mm pole

Manufacturing material	Palazzoli code
galvanised steel	810995



3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm ²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.

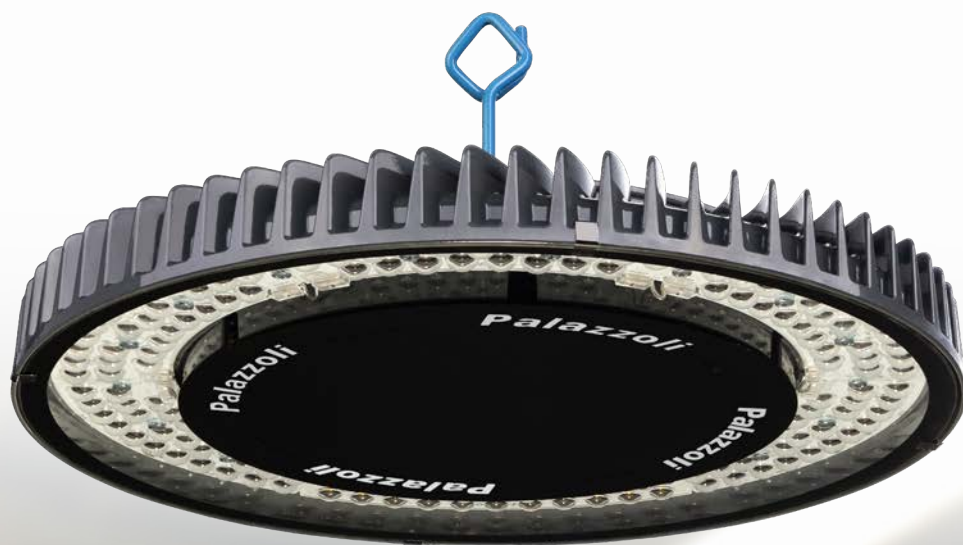
EXAMPLE OF THROUGH-WIRING CONNECTION 818905



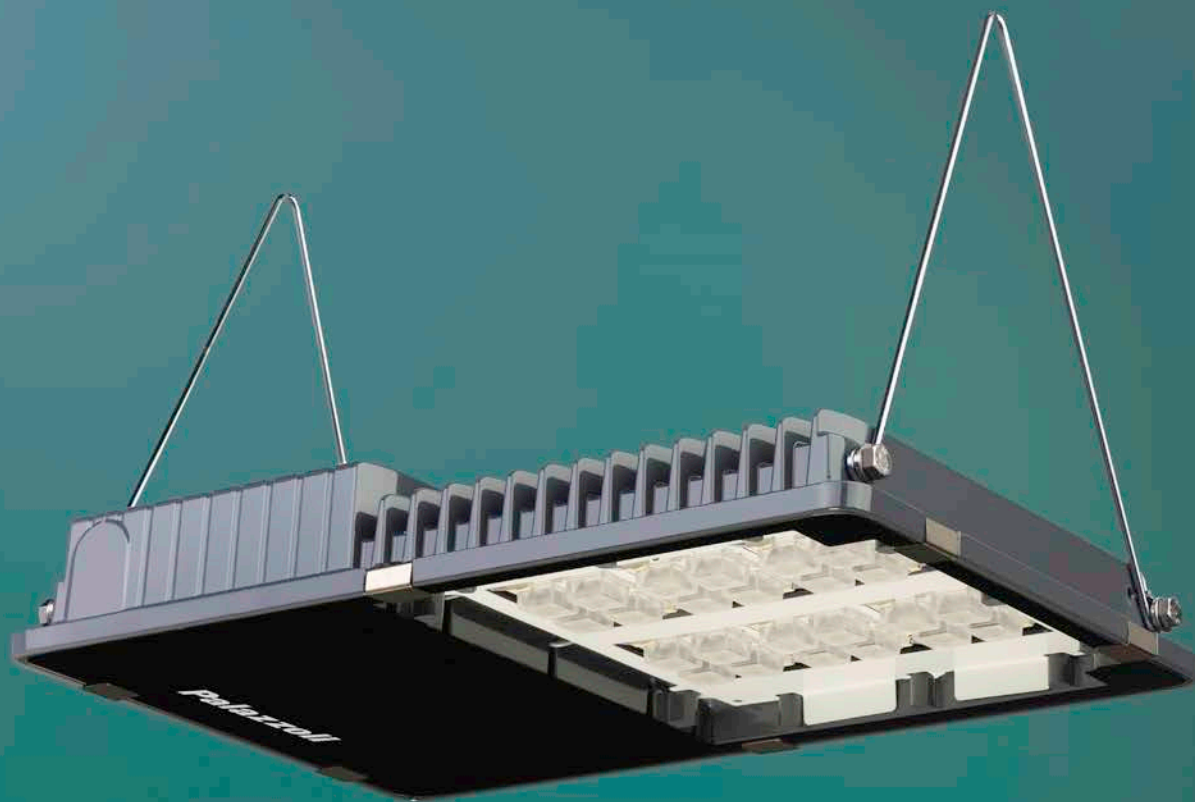
1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.

META₁₅₀

illuminates Cembre S.p.A. in Brescia



TIGUA





TIGUA pendant mounting

4,000 K - 120,000 h

ADVANTAGES



1

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

Optics are made with PMMA lenses, which ensure chromatic stability of light over time thanks to the non-yellowing characteristics of the material.

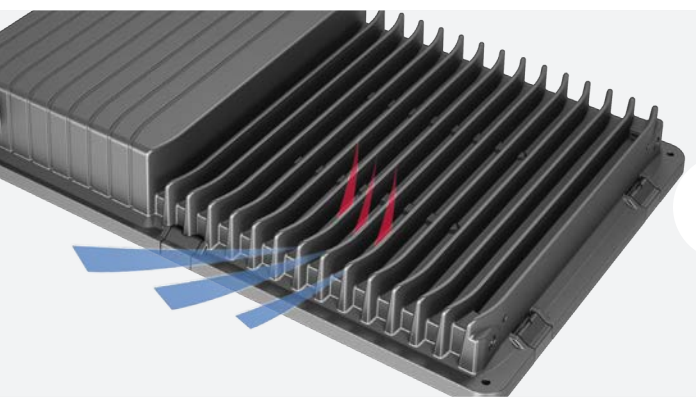
Colour rendering is ensured by the use of light sources with Colour Rendering Index (CRI) ≥ 80 .

The TIGUA uses flicker-free power supplies and is free from photobiological risks.



2

TIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



3

The TIGUA is a very powerful light fixture, while being compact and easy to handle: 6.5 kg only. The device features a connector that enables a quick connection to the power grid, with no need to open the device.

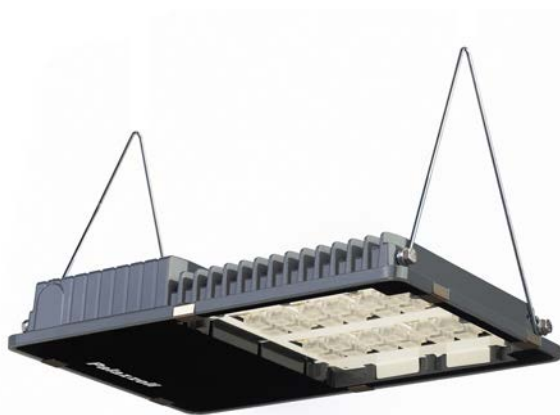
4





TIGUA pendant mounting

4,000 K - 120,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

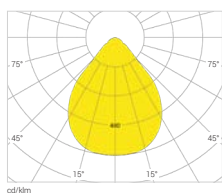
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass or polycarbonate
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 122 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 120,000h Tq= +55°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	1.5 mm ²
Entry cable diameter	9 to 12 mm

Special versions with colour temperatures from 3000K to 6500K and supply voltage 110V can be made.



TIGUA pendant mounting

4,000 K - 120,000 h



Symmetrical 81° extra wide beam optics
High temperature +55°C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
33	4625	3477	glass	dimmable 1-10V	817304HT
67	9250	6954			817308HT
99	11575	8593			817312HT
132	15434	10990			817316HT
153	18135	13292			817320HT
182	21761	15746			817324HT

Equipment included: double chain bracket and busbar.

Power supply with 5P quick connector.

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

Notes: recommended installation height: between 4 m and 7 m.



Adjustable bracket for wall installation poles and light towers

Manufacturing material	Palazzoli code
galvanised steel	811922



0 - 90° adjustable connection for catenary wire installation

Manufacturing material	Palazzoli code
galvanised steel	811921



Set of brackets for installation with 60 mm Ø pole

Manufacturing material	Palazzoli code
galvanised steel	811920



Swivelling connection 0 - 90° for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	811919



Kit with bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	811916

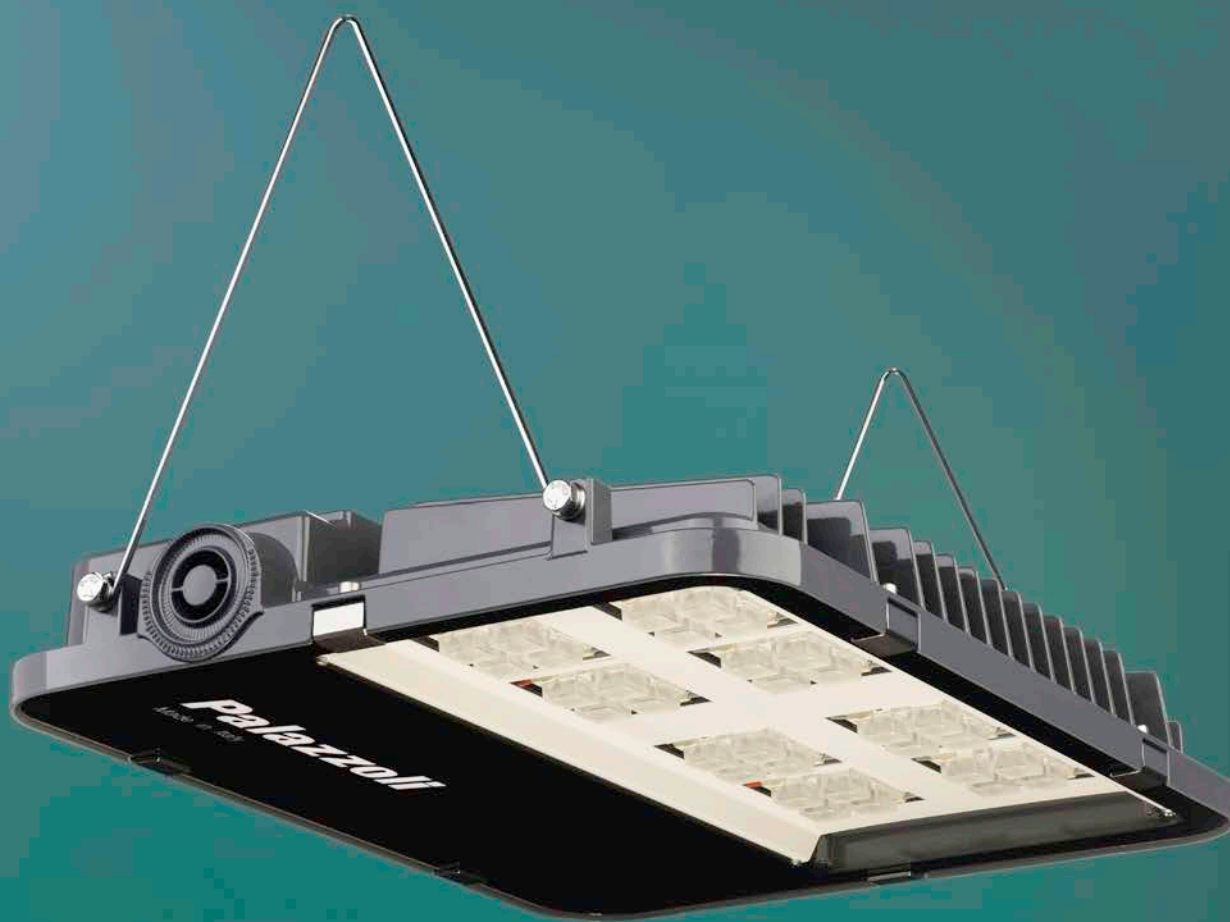


3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm ²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system. Example of through-wiring connection on page 28.

XTIGUA





XTIGUA pendant light fixture

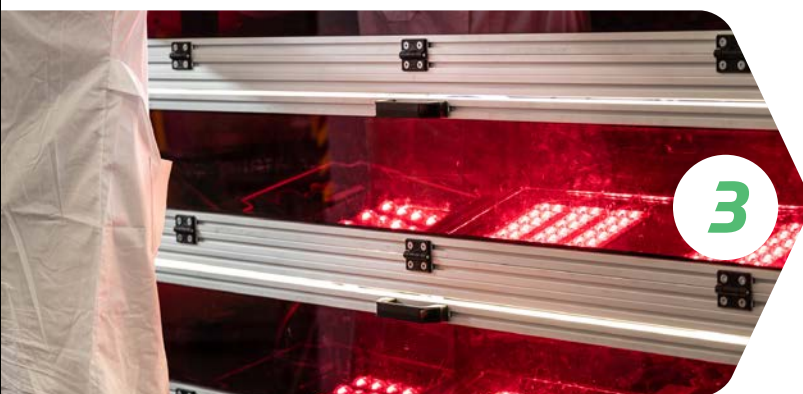
4,000 K - 120,000 h

ADVANTAGES



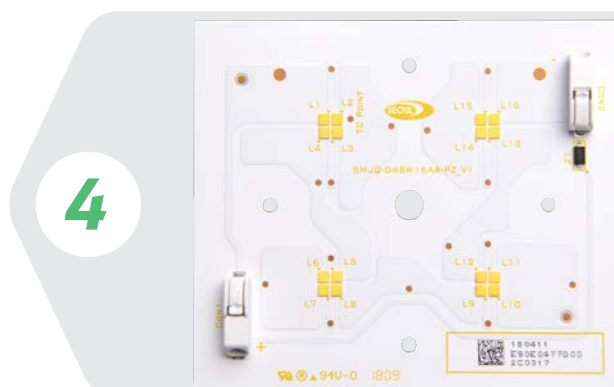
The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

Products in the VHT (Very High Temperature) range can be installed in ambient temperatures of up to +70 °C and have a light fixture efficiency of over 130 lm/W.



XTIGUA's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.

Latest-generation LEDs can maintain luminous flux over time and have a lifetime of over 100,000 hours in ambient temperatures of 70 °C.





XTIGUA pendant light fixture

4,000 K - 120,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

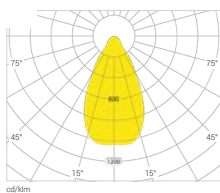
Body material	Low-copper aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-30°C - +55°C (HT versions) -30°C - +70°C (VHT versions)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 130 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 120,000h Tq= +55°C (HT versions) L80 B20 100,000h Tq= +70°C (VHT versions)
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	8 kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Quick connector
Max. conductor cross-section	2.5 mm²
Entry cable diameter	7 - 13 mm

Special versions with colour temperatures from 3000K to 6500K and supply voltage 110V can be made.



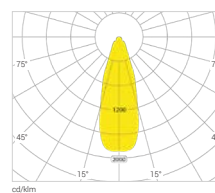
XTIGUA pendant light fixture - size M

4,000 K - 120,000 h



**55° medium symmetric optics,
High temperature +55 °C**

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
166	27009	21580	glass	DALI	819428HT
189	30867	24532			819432HT



**Symmetrical 36° narrow beam optics
Very high temperature +70 °C**

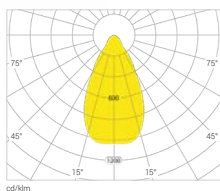
Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
166	27009	21580	glass	DALI	819528VHT
189	30867	24570			819532VHT

Equipment included: double chain bracket and busbar.
Recommended installation height: between 9 m and 15 m.
Power supply with 5Px1.5mm² quick connector and 1.5mm² H07RN-F cable.



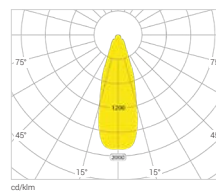
XTIGUA pendant light fixture - size L

4,000 K - 120,000 h



55° medium symmetric optics
High temperature +55 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
237	38584	30810	glass	DALI	819440HT
284	46301	36579			819448HT



Symmetrical 36° narrow beam optics
Very high temperature +70 °C

Power (W)	Nominal flux (lm)Tj=25°C	Output flux (lm)Tq=25°C	Diffuser	Version	Palazzoli code
237	38584	30810	glass	DALI	819540VHT
284	46301	36920			819548VHT

Equipment included: double chain bracket and busbar.
Recommended installation height: between 9 m and 15 m.
Power supply with 5Px1.5mm² quick connector and 1.5mm² H07RN-F cable.



Accessories XTIGUA pendant mounting



Adjustable bracket for wall installation poles and light towers - size M

Manufacturing material	Palazzoli code
galvanised steel	819998



Adjustable connection 0 - 90° for double chain installation - size M

Manufacturing material	Palazzoli code
galvanised steel	819994



Kit with bracket for ceiling installation size M

Manufacturing material	Palazzoli code
galvanised steel	819996

Notes: not compatible with the VHT 70 °C version.



Adjustable bracket for wall installation poles and light towers - size L

Manufacturing material	Palazzoli code
galvanised steel	819999



Adjustable connection 0 - 90° for double chain installation - size L

Manufacturing material	Palazzoli code
galvanised steel	819995



Kit with bracket for ceiling installation size L

Manufacturing material	Palazzoli code
galvanised steel	819997

Notes: not compatible with the VHT 70 °C version.



3 way through-wiring connector
16A 250/400V IP66/IP68

Poles	Max. conductor (mm²)	Fastening diameter (mm)	Palazzoli code
5	2,5	7-13	818905

Notes: equipped with 1 input and 2 output connectors which allow the through-wiring system.

EXAMPLE OF THROUGH-WIRING CONNECTION 818905



1 input connector and 2 output connectors which can be closed by caps when not connected. IP66/IP68: protected against penetration of water, dust and pressurized water jets. Quick installation: no terminal blocks are required for wiring.



RINO light fixtures E27, G23



Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 7035
Diffuser material	Prismatic tempered glass
Protection rating	IP66
Impact resistance	IK07
Mounting system	Ready for wall installation
Ambient operating temperature	-40°C - +70°C
Ambient storage temperature	-50°C - +80°C
Lamp holder type	Type E27 in porcelain and type G23 in technopolymer
Insulation class	I
Supply voltage	230V 0/50/60Hz
Type of power supply	M20 cable gland
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm



DIRECTIVES

2014/30/EU (EMC)
2011/65/EU (RoHS)
2012/19/EU (WEEE)
2009/125/EC (ErP)
EU Reg. 2019/2020 (EcoDesign)

PRODUCT STANDARDS

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



RINO light fixtures E27, G23



Oval light fixtures
in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code		
60	199x112	E27	glass	1	without cage	831071		
				2		831091		
1	with steel cage			831171				
2				831191				
100	295x170			1		831271		
				2		831291		
5-7-9	G23			1		831914		
60	199x112			E27	glass	1	with steel cage	831072
						2		831092
1	with embedded cage					831172		
2						831192		
100	295x170					1		831272
		2	831292					
5-7-9	G23	1				831934		
60	199x112	E27	glass			1	with embedded cage	831075
						2		831095
1	with embedded cage					831175		
2						831195		
100	295x170					1		831275
				2	831295			
5-7-9	G23			1		831954		

Equipment included: internal earth screw and cable gland.

Features: E27 lamp holder in porcelain.



Round light fixtures
in aluminium alloy

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
75	200x182	E27	glass	1	without cage	830071
					with steel cage	830072

Equipment included: internal earth screw and cable gland.

Features: E27 lamp holder in porcelain.



Swann bayonet lamp holder

Manufacturing material	Palazzoli code
brass	859412

Equipment included: fixing support.

LIGHT FIXTURES/LAMPS CORRESPONDENCE	Maximum power (W)		LED (W)	Luminous flux (lm)		Halogen (W)
	Ta = +50 °C	Ta = +70 °C*		warm white 3000K	neutral white 4000K	
	60	40	8.7	630	640	42
	75	50	8.7	940	960	53
	100	75	13	1200	1250	72
	75	50	17	1530	1590	53



RINO cylindrical well glass fixtures E27



Cylindrical well glass fixture
in thermosetting GRP
with steel protective cage

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	ribbed glass	1 M20	portable	814052

Equipment included: cable entry with 1 M20 cable gland and internal cable clamp.
Features: diffuser in ribbed clear glass. Lamp holder in porcelain.



Junction box
for ceiling installation Ø 62 mm

Manufacturing material	Palazzoli code
aluminium alloy	812988

Equipment included: internal and external earth screw and cable gland.
Features: cover with M20 central threaded hole for the well glass fixture pendant-mounting tube.

LIGHT FIXTURES/LAMPS CORRESPONDENCE	Maximum power (W)		LED (W)
	Ta = +50 °C	Ta = +70 °C*	
	60	40	10
	75	50	11
	100	75	16



RINO well glass fixture bodies and accessories



Cylindrical well glass fixture bodies in aluminium alloy

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	glass	1	ceiling-mounted	810060
60				pendant mounting	812060
60				wall-mounted, 90° angled	811060

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



Protection cages

Manufacturing material	Max. power (W)	Palazzoli code
galvanised and tropicalised steel wire	60	819020



Coloured diffusers

Manufacturing material	Max. power (W)	Diffuser colour	Palazzoli code
coloured polycarbonate	40	transparent	819015
		yellow	819017
		red	819018
		green	819019



Reflectors

Manufacturing material	Max. power (W)	Palazzoli code
galvanised and oven-painted steel	60	819030



Swann bayonet lamp holder with fins

Manufacturing material	Type	Palazzoli code
galvanised and oven-painted steel	B22d 4A 250C	859400

TIGUA-EX





TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

ADVANTAGES



1

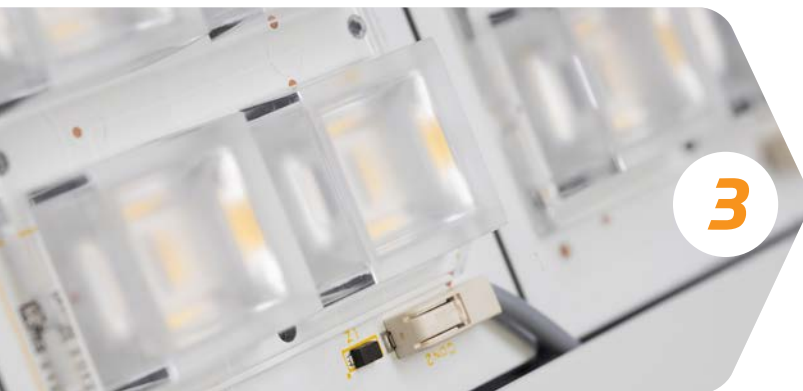
The DALI power supply integrated in the TIGUA-EX body is resin-coated and certified for explosion hazardous environments. In the versions for zone 1 versions, the polycarbonate lenses are sealed onto the LED module by means of silicone resin.

The body is made of EN 44300 aluminium alloy with low copper content, with passivation treatment and painting that make it suitable for harsh environments, corrosion class C5-M / C4-H.

2

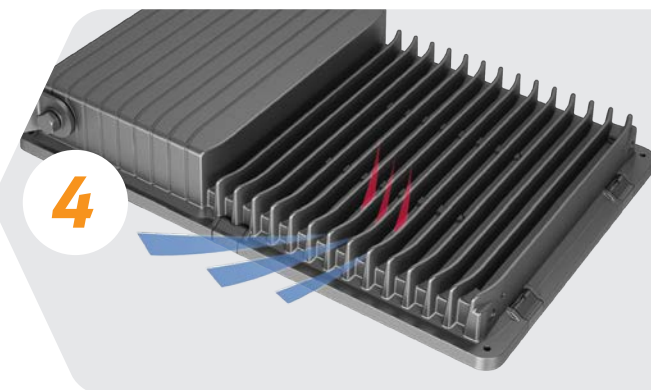


3



The optics are made from specialised lenses ensuring that the luminous flux is evenly distributed. A well-lit environment makes for a safer place.

4



TIGUA-EX's long service life is guaranteed by high-level electronic components, exclusive thermal management system, X-ray inspection of LED welds, 100% testing with 24-hour burn-in cycles, and Gore-Tex® anti-condensation breathing valve.



TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	U bracket with adjustment range of -135° to 135°
Ambient operating temperature	-35°C - +60°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40 °C L90 B10 230,000h Tq= +25 °C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm ²
Entry cable diameter	10 - 14 mm

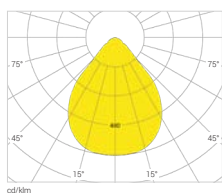
Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



TIGUA-EX floodlight - Zones 1, 2, 21, 22

4,000 K - 230,000 h

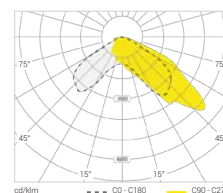


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
47	6980	5808	+60	DALI	817021EX
73	9950	8280	+55		817022EX

Equipment included: wall-mounting bracket.

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



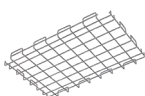
Asymmetrical 50° extra wide beam optics

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
47	6980	5808	+60	DALI	817221EX
73	9950	8280	+55		817222EX

Equipment included: wall-mounting bracket.

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

Accessories TIGUA-EX



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	811911



Support for wall mounting with projecting arm – 750mm projection

Manufacturing material	Palazzoli code
painted galvanised steel	811914



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	811908



Kit consisting of collar and plate for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	811912



TIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T4 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category according to ISO 12944	Equivalent to C5-M / C4-H
Mounting system	U-bracket with adjustment range of -135° to +135°
Ambient operating temperature	-35°C - +60°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 125 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index according to EN 62717	CRI ≥ 70
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm ²
Entry cable diameter	10 - 14 mm

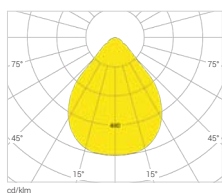
Versions with dedicated optics, colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



TIGUA-EX floodlight - Zones 2, 21, 22

4,000 K - 230,000 h

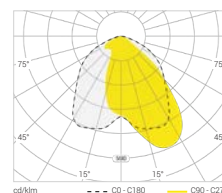


Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	7600	6312	+60	DALI	837021EX
72	10800	9000	+55		837022EX

Equipment included: wall-mounting bracket.

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



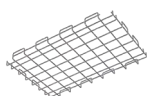
Asymmetrical 23° extra wide beam optics

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
50	7600	6312	+60	DALI	837221EX
72	10800	9000	+55		837222EX

Equipment included: wall-mounting bracket.

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

Accessories TIGUA-EX



Protection guard

Manufacturing material	Palazzoli code
galvanised steel	811911



Support for wall mounting with projecting arm – 750mm projection

Manufacturing material	Palazzoli code
painted galvanised steel	811914



Universal mounting bracket for pole-top installation for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	811908



Kit consisting of collar and plate for 60 mm and 76 mm nominal pole Ø

Manufacturing material	Palazzoli code
painted galvanised steel	811912

RINOLED-EX





RINO LED-EX 690 mm and 1300 mm - Zones 1, 2, 21, 22

ADVANTAGES

**1**

The light fixture is ATEX-certified by a third party for zone 1, 2, 21, 22. The driver placed inside it is resin-coated and suitable for highly explosive environments. In the versions for zone 1, the LED board is sealed with silicone resin.

The stainless steel casing and the special silicone seal guarantee high resistance to corrosion and aggressive atmospheres.

2**3**

The possibility of special solutions makes the light fixture suitable for installation in any environment, whether with very high temperatures (up to +60 °C) or very low temperatures (down to -40 °C). The fastening system with eyebolts enables the device to be mounted to the ceiling without opening it.

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

4



RINO LED-EX light fixture 690 mm and 1300 mm - Zones 1, 2, 21, 22



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T6/T5 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	AISI 304 stainless steel
Surface treatment	Natural finish
Diffuser material	Extra clear tempered glass
Protection rating	IP65
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-35°C - +60°C (-40°C on request)
Ambient storage temperature	-40°C - +75°C
Actual efficacy of the device	Up to 148 lm/W
Colour temperature	4,000 K
Optics features	Anti-ageing- and UV-resistant silicone resin with > 95% efficiency
Colour rendering index values	CRI ≥ 80
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L80 B10 @90,000h Tq= +25°C
Insulation class	I
Supply voltage	220-240V~ - 180-240Vdc 110-277 Vac/110-250 Vdc (DALI) 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm²
Entry cable diameter	10 - 14 mm

Feed-through wiring versions are also available, in AISI 316L stainless steel and with colour temperatures from 3000K to 6500K.

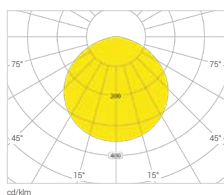
TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



RINO LED-EX light fixture Zones 1, 2, 21, 22

690 mm 4,000 K - 90,000 h

1300 mm 4,000 K - 90,000 h

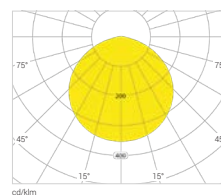


Symmetrical 110° extra wide beam optics

Power (W)	Nominal flux (lm)T _j =25° C	Output flux (lm)T _q =25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
AISI 304 stainless steel					
23	4080	3400	+60	on-off	821172EX
36	6200	5180	+50		821272EX

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting. Safety screws to prevent accidental opening.

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



Symmetrical 110° extra wide beam optics

Power (W)	Nominal flux (lm)T _j =25° C	Output flux (lm)T _q =25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
AISI 304 stainless steel					
47	8200	6831	+60	on-off	821572EX

Equipment included: pair of eyebolts in AISI 304 stainless steel for pendant mounting. Safety screws to prevent accidental opening.

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

Accessories RINO LED-EX on page 61

RINO LED-EX light fixture 690 mm and 1300 mm - Zones 2, 21, 22



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T6/T5 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	AISI 304 stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	White RAL 9016
Diffuser material	Extra clear tempered glass
Protection rating	IP65
Impact resistance according to IEC 60079-0	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-H AISI 304 stainless steel
Mounting system	Pair of eyebolts in AISI 304 stainless steel
Ambient operating temperature	-35°C - +55°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 137 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing, UV-resistant PMMA lenses with >90% efficiency and >95% transparency
Colour rendering index values	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L80 B10 @50,000 h Tq= +25°C
Insulation class	I
Supply voltage	220-240V~ - 180-240Vcc 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm²
Entry cable diameter	10 - 14 mm

Versions are also available with ambient temperatures down to -40°C and up to +60°C; with feed-through wiring, in AISI 316L stainless steel and with colour temperatures from 3000K to 6500K.

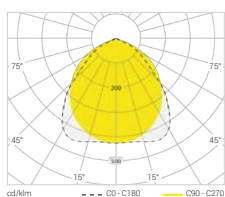
TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



RINO LED-EX light fixture 690 mm and 1300 mm - Zones 2, 21, 22

690 mm 4,000 K - 50,000 h

1,300 mm 4,000 K - 50,000 h



88° symmetrical optics

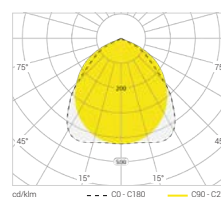
Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
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AISI 304 stainless steel

26	4100	3562	+55	on-off	821192EX
38	6133	5130			821292EX

Painted galvanised steel

26	4100	3562	+55	on-off	841192EX
38	6133	5130			841292EX



88° symmetrical optics

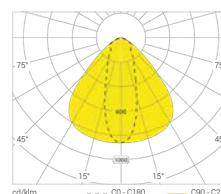
Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
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AISI 304 stainless steel

52	8200	7072	+55	on-off	821392EX
75	12260	10050			821492EX

Painted galvanised steel

52	8200	7072	+55	on-off	841392EX
75	12260	10050			841492EX



Narrow beam optics 30°x90°

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
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AISI 304 stainless steel

52	8200	6500	+55	on-off	820392EX
75	12260	9525			820492EX

Painted galvanised steel

52	8200	6500	+55	on-off	840392EX
75	12260	9525			840492EX

Equipment included: pair of AISI 304 stainless steel eyebolts for pendant mounting.
Safety screws to prevent accidental opening.

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

Accessories RINO LED-EX on page 61

TIGUA-EX pendant light fixture - Zones 1, 2, 21, 22

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 2G - Ex eb mb IIC T4 Gb
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Marine aluminium alloy (EN 44300)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C5-M / C4-H
Mounting system	Pendant mounting
Ambient operating temperature	-35°C - +60°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 115 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing UV-resistant polycarbonate lenses sealed to the LED module by silicone resin
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	110-277 Vac/110-250 Vdc: 50 W/72 W/101 W 160-277 Vac/160-250 Vdc: 144W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm²
Entry cable diameter	10 - 14 mm

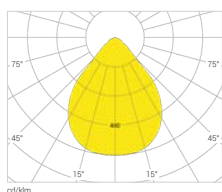
Versions with colour temperatures from 3000K to 6500K and ambient temperatures down to -40°C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



TIGUA-EX pendant light fixture - Zones 1, 2, 21, 22

4,000 K - 230,000 h



Symmetrical 81° extra wide beam optics

Power (W)	Nominal flux (lm) Tj=25 °C	Output flux (lm) Tq=25 °C	Max. ambient temperature (°C)	Version	Palazzoli code
50	6980	5808	+60	DALI	817031EX
72	9950	8280	+55		817032EX

Equipment included: double chain bracket and busbar.

Notes: recommended installation height: between 4 m and 7 m.
The stated flux and power values may be subject to a +/- 7% tolerance.

Accessories TIGUA-EX



0 - 90° adjustable connection for catenary wire installation

Manufacturing material	Palazzoli code
galvanised steel	811921



Swivelling connection 0 - 90° for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	811919



Kit with bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	811916



Set of brackets for installation with 60 mm Ø pole

Manufacturing material	Palazzoli code
galvanised steel	811920



META₁₅₀-EX pendant light fixture - Zones 2, 21, 22

4,000 K - 230,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

2014/30/EU (EMC)
2014/34/EU (ATEX)
2011/65/EU (RoHS)
2012/19/EU (WEEE)

PRODUCT STANDARDS

EN 55015
EN 60079-0
EN 60079-18
EN 60079-31
EN 60079-7
EN 60598-1
EN 60598-2-1
EN 60598-2-5
EN 60598-2-22
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Atex execution - Gas	II 3G - Ex ec mc IIC T5 Gc
Atex execution - Dust	II 2D - Ex tb IIIC T 85°C Db
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 9005 Jet black
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	7J (body) 4J (glass)
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Pendant mounting
Ambient operating temperature	-35°C - +50°C (-40°C on request)
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 148 lm/W
Colour temperature	4,000 K
Optics features	Non-aging UV-resistant polycarbonate lenses with > 90% efficiency and > 95% transparency
Colour rendering index according to EN 62717	CRI ≥ 80
Colour consistency	MacAdam 3-step
Photobiological risk	RGO - Exempt Group (EN 62471)
Residual flicker	< 4%
Luminous flux maintenance	L90 B10 110,000h Tq= +40°C L90 B10 230,000h Tq= +25°C
Insulation class	I
Supply voltage	220 V-240 V 60 W 110-277 Vac/110-250 Vdc: 97W 160-277 Vac/160-250 Vdc: 112 W/134 W 0/50/60Hz
Surge protection	6 kV common mode and differential mode (IEC 61000-4-5)
Power factor	≥ 0.95
Type of power supply	Spring clamps and M20 cable gland
Max. conductor cross-section	1 - 4 mm ²
Entry cable diameter	10 - 14 mm

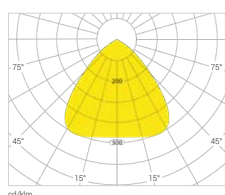
Versions with colour temperatures from 3000K to 6500K and ambient temperatures up to +50 °C are also available.

TAISBOX-EX series junction boxes certified for zone 1, 2, 21, 22 complete with cable glands and terminals for larger cable diameters and/or in/out solutions are available.



META₁₅₀-EX pendant light fixture - Zones 2, 21, 22

4,000 K - 230,000 h

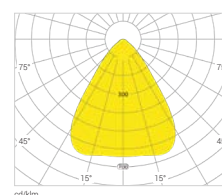


Extra wide beam optics, comfort 90°

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
60	10296	8748	+50	on-off	810430EX

Equipment included: quick connection for pendant mounting.

Notes: recommended installation height: between 5 m and 8 m.
The stated flux and power values may be subject to a +/- 7% tolerance.



75° medium beam optics

Power (W)	Nominal flux (lm) Tj=25° C	Output flux (lm) Tq=25° C	Max. ambient temperature (°C)	Version	Palazzoli code
60	10296	8580	+50	on-off	810431EX

Equipment included: quick connection for pendant mounting.

Notes: recommended installation height: between 5 m and 8 m.
The stated flux and power values may be subject to a +/- 7% tolerance.

Accessories META₁₅₀-EX



Adjustable bracket for wall installation poles and light towers

Manufacturing material	Palazzoli code
galvanised steel	810999



0-90° swivelling attachment for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	810996



Bracket for ceiling installation

Manufacturing material	Palazzoli code
galvanised steel	810998



Catenary wire installation bracket 0-90° adjustable

Manufacturing material	Palazzoli code
galvanised steel	810994



Bracket for double chain and busbar installation

Manufacturing material	Palazzoli code
galvanised steel	810997



Bracket for installation with Ø 60 mm pole

Manufacturing material	Palazzoli code
galvanised steel	810995

FIT 55





FIT 55

3,000K - 4,000 K - 150,000 h

ADVANTAGES



FIT 55 is equipped with the FOS (FIT 55 Optical System), which allows the optics to be adjusted in up to 5 positions, even when the product is already installed, to change the front and side light emission. This makes it possible to improve uniformity between poles or to adjust the optics if the luminous flux glares off the road.

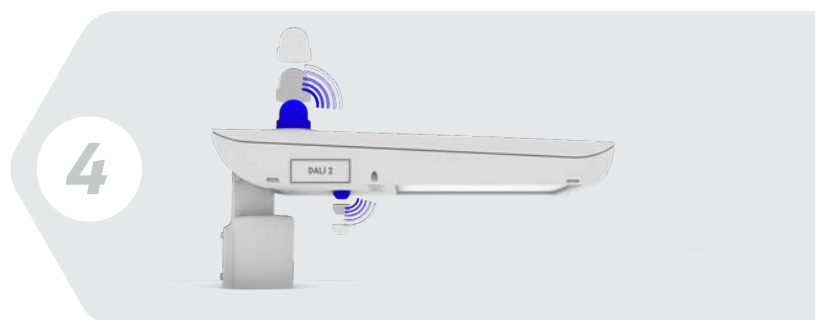
Reflectors made of 99.9% pure aluminium with silver PVD coating for high, long-lasting photometric efficiency and perfect glare control. The average luminous efficacy reaches 166 lm/W, with a lifetime of 150,000 hours at 25°C.



The isolator switch guarantees safe maintenance even without cutting of the power. The cover can be snapped off the body without tools. The electronic control unit is equipped protections against short-circuit, overvoltage and overtemperature.



Upon request, FIT 55 can be equipped or designed for the installation of NEMA or ZHAGA SOCKET, to centrally monitor and manage public lighting through wireless control that will allow integration with the IoT world.



To discover the features of FIT 55, scan the QR code.





FIT 55

3,000K - 4,000 K - 150,000 h



7

YEARS OF WARRANTY

2 YEARS OPTIONALLY EXTENDABLE TO 7



DIRECTIVES

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

PRODUCT STANDARDS

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

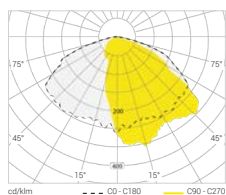
Body material	Aluminium alloy (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	Grey RAL 7011
Diffuser material	Extra clear tempered glass
Protection rating	IP66
Impact resistance	IK08
Corrosivity category	Equivalent to C4-M / C3-H
Mounting system	Pole mount 42 - 76 mm Pole-top -5°- +20° Projecting bracket -20°- +5°
Ambient operating temperature	-30°C - +55°C
Ambient storage temperature	-40°C - +70°C
Wind load surface	Size S side 0.03 m ² - front 0.13 m ² Size M side 0.04 m ² - front 0.18 m ²
Actual efficacy of the device	Up to 166 lm/W
Colour temperature	4,000 K
Optics features	High efficacy 99.9% aluminium reflector
Colour rendering index values	CRI ≥ 70
Colour consistency	MacAdam 4-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B10@150,000h Tq= +25°C
Insulation class	II - I
Supply voltage	220-240V 50/60Hz
Surge protection	10kV common mode 6 kV differential mode (EN 61000-4-5)
Power factor	≥ 0.95
Type of power supply	M20 cable gland with internal isolator switch for connection
Max. conductor cross-section	1 - 2.5 mm ²
Entry cable diameter	7 - 13 mm

Special versions can be made with colour temperatures from 3000K to 6500K, supply voltage 110V. NEMA, ZHAGA socket and CRI 80 versions are also available



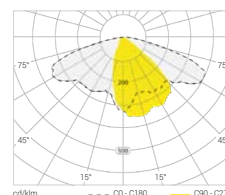
FIT 55 size S

3,000K - 4,000 K - 150,000 h



STR-AM roadway wide beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25 °C	Diffuser	Version	Palazzoli code
4,000K Class II					
29	5753	4794	glass	on-off	834210HT
38	7315	6096			834220HT
45	8446	7038			834230HT
55	10196	8497			834240HT



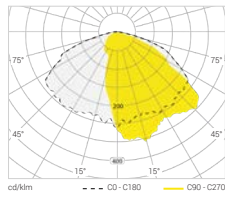
STR-ST roadway narrow beam optics

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25 °C	Diffuser	Version	Palazzoli code
4,000K Class II					
29	5753	4794	glass	on-off	834211HT
38	7315	6096			834221HT
45	8446	7038			834231HT
55	10196	8497			834241HT

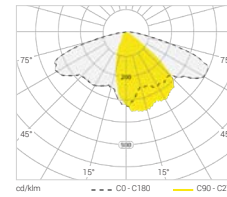
Equipment included: swivelling pole mount from -5° to + 20° for pole-top application; from -20° to + 5° for wall mounting with projecting arm. Suitable for poles with Ø from 42 mm to 76 mm.

**FIT 55 size M**

3,000K - 4,000 K - 150,000 h

**STR-AM roadway wide beam optics**

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
4,000K Class II					
66	12064	10053	glass	on-off	834410HT
72	13547	11289			834420HT
91	16921	14101			834430HT
94	17030	14192			834610HT
113	20482	17068			834620HT
136	25493	21244			834630HT

**STR-ST roadway narrow beam optics**

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
4,000K Class II					
66	12064	10053	glass	on-off	834411HT
72	13547	11289			834421HT
91	16921	14101			834431HT
94	17030	14192			834611HT
113	20482	17068			834621HT
136	25493	21244			834631HT

Equipment included: swivelling pole mount from -5° to + 20° for pole-top application; from -20° to + 5° for wall mounting with projecting arm.
Suitable for poles with Ø from 42 mm to 76 mm.



Accessories FIT 55



Single projecting bracket

Manufacturing material	Palazzoli code
painted galvanised steel	834901



Double projecting bracket

Manufacturing material	Palazzoli code
painted galvanised steel	834902



Wall installation bracket

Manufacturing material	Palazzoli code
painted galvanised steel	834903

RINO-NAVE





RINO-NAVE LED

4,000 K - 50,000 h

ADVANTAGES



1

The total absence of welds replaced by "embossings" guarantees the stainlessness of the product and consequently its extreme durability. The painted AISI 316L stainless steel body is ideal for outdoor installation in marine environments.

Long-lasting efficiency is guaranteed by the diffuser made of unbreakable, self-extinguishing (V2 grade), UV-stabilised, non-yellowing polycarbonate.



2



3

The naval light fixtures are equipped with stainless steel fixing pins with integrated anti-vibration system. Stainless steel click connections guarantee perfect tightness and maximum impact resistance.

Colour rendering is ensured by the use of light sources with Colour Rendering Index (CRI) 90. The emission of the luminous flux is controlled by a protective cover that can make the outgoing light beam more uniform.



4



RINO-NAVE LED

4,000 K - 50,000 h



4

YEARS OF WARRANTY

2 YEARS WITH OPTIONAL EXTENSION TO 4



DIRECTIVES

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

PRODUCT STANDARDS

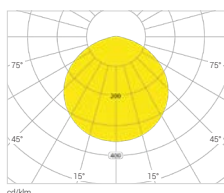
EN 55015
EN 60598-1
EN 60598-2-1
EN 60598-2-22
EN 60598-2-24
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 62311
EN 62493
EN 62471
IEC/TR 62778
EN 63000

Body material	Painted AISI 316L stainless steel Painted galvanised steel
Surface finish	Non-toxic polyester, anti UV, kilo-polymerised coating
Colour	RAL 9016
Diffuser material	Transparent and opal polycarbonate
Protection rating	IP66/IP67
Impact resistance	IK09
Corrosivity category	Equivalent to C5-H AISI 316L stainless steel C5-M / C4-H painted galvanised steel
Mounting system	Provided with 2 M8 threaded holes
Ambient operating temperature	-25°C - +50°C
Ambient storage temperature	-40°C - +70°C
Actual efficacy of the device	Up to 106 lm/W
Colour temperature	4,000 K
Optics features	Non-ageing and UV-resistant PMMA lenses
Colour rendering index values	CRI ≥ 90
Colour consistency	MacAdam 3-step
Photobiological risk	RG0 - Exempt Group (EN 62471)
Residual flicker	< 1%
Luminous flux maintenance	L80 B20 @50,000 h Tq= +25°C
Insulation class	I
Supply voltage	200-240V 0/50/60Hz
Surge protection	2 kV common mode and differential mode (EN 61000-4-5)
Power factor	≥ 0.90
Type of power supply	Screw terminals and M20 cable glands
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 to 15 mm

**RINO-NAVE LED**

690 mm

4,000 K - 50,000 h

**110° symmetrical optics**

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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Painted galvanised steel

20	2200	2123	transparent polycarbonate	on-off	849141
40	4400	4244	transparent polycarbonate		849142
20	2200	1935	opal polycarbonate		841141
40	4400	3870	opal polycarbonate		841142

Painted AISI 316L stainless steel

20	2200	1935	opal polycarbonate	on-off	878141
40	4400	3870	opal polycarbonate		878142

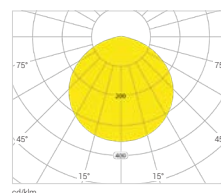
Bulkhead

20	2200	1935	opal polycarbonate	on-off	878741
40	4400	3870	opal polycarbonate		878742

RINO-NAVE LED

1,300 mm

4,000 K - 50,000 h

**110° symmetrical optics**

Power (W)	Nominal flux (lm)Tj=25° C	Output flux (lm)Tq=25° C	Diffuser	Version	Palazzoli code
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Painted galvanised steel

40	4400	4244	transparent polycarbonate	on-off	849243
		3870	opal polycarbonate		841243

Painted AISI 316L stainless steel

40	4400	3870	opal polycarbonate	on-off	878243
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Pair of supports for bulkhead installation

Manufacturing material	Palazzoli code
AISI 316L stainless steel	820007

Equipment included: 2 terminal blocks 2P+T for supply line entry/exit.
2 cable glands and 1 nickel-plated brass cap.
The indicated flux and power values have a tolerance of +/-7%.



NAVE E27 bulkhead light fixtures and cylindrical well glass fixtures



Body material	Brass (EN 46100)
Surface treatment	Fluorozirconate passivation
Surface finish	Non-toxic polyester, anti UV, kiln-polymerised coating
Colour	RAL 7040 (brass) RAL 7042 (thermosetting GRP)
Diffuser material	Prismatic tempered glass
Protection rating	IP66
Impact resistance	IK07
Mounting system	Ready for wall installation
Ambient operating temperature	-40°C - +70°C
Ambient storage temperature	-50°C - +80°C
Lamp holder type	Type E27 in porcelain
Insulation class	I
Supply voltage	230V 0/50/60Hz
Type of power supply	M20 cable gland
Max. conductor cross-section	2.5 mm ²
Entry cable diameter	7 - 13 mm



DIRECTIVES

2014/30/EU (EMC)
2011/65/EU (RoHS)
2012/19/EU (WEEE)
2009/125/EC (ErP)
EU Reg. 2019/2020 (EcoDesign)

PRODUCT STANDARDS

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



NAVE E27 bulkhead light fixtures and cylindrical well glass fixtures



Bulkhead light fixtures
in painted brass

Power (W)	Dimensions (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
60	199x112	E27	glass	2	UNAV 2135	831089
75	226x130					831189
100	295x170					831289

Equipment included: M24x1.5 brass cable glands. Internal and external earth screws.



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

Manufacturing material	Light fixture power (W)	Palazzoli code
Stainless steel	60	831527
	75	831627
	100	831727



Swann bayonet
lamp holder

Manufacturing material	Type	Palazzoli code
brass	B 22d 4A 250V	859412



Cylindrical well glass fixture
in painted brass

Power (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
75	E27	glass	2 opposite	UNAV 2132	850143
60			2 combined bulkhead feedthrough	UNAV 2133	850054

Equipment included: 3/4" feedthrough brass cable glands. Internal and external earth screws.



Bodies for cylindrical well glass
fixtures in painted brass

Power (W)	Lamp holder type	Diffuser	No. of cable glands	Version	Palazzoli code
60	E27	glass	2 opposite	UNAV 2133	850045
			2 combined	UNAV 2134	815161

Equipment included: brass cable glands. Internal and external earth screws.

Features: the item code 815181 is UNAV 1796.



Cylindrical well glass fixture
in thermosetting GRP
with steel protective cage

Power (W)	Lamp holder type	Diffuser	No. of entries	Version	Palazzoli code
60	E27	ribbed glass	1 M20	portable UNAV 2137	814052

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

Features: diffuser in ribbed clear glass. Lamp holder in porcelain.



Diffusers for cylindrical well glass
fixtures

Power (W)	Lamp holder type	Diffuser	Colour	Version	Palazzoli code
60	E27	smooth glass	transparent	UNAV 1268	850060



Accessories NAVE light fixtures and cylindrical well glass fixtures E27



Globe-holder ring
for watertight cylindrical well glass fixtures
type UNAV 2133

Manufacturing material	Well glass fixture power (W)	Palazzoli code
nickel-plated brass	60	850050



Protection cage in stainless steel
wire for watertight cylindrical well
glass fixtures
type UNAV 2132

Manufacturing material	Well glass fixture power (W)	Palazzoli code
Stainless steel	60	819022



Ceiling installation bases
for cylindrical well glass fixtures
type UNAV 2132, 2122, 2134

Manufacturing material	Type	Palazzoli code
galvanised and tropicalised steel	A UNAV 1228	850090



Brass screw cap with gaskets

Threading	Palazzoli code
M24x1.5	585490



Wall mounting bases
for cylindrical well glass fixtures
type UNAV 2132, 2122, 2134

Manufacturing material	Type	Palazzoli code
galvanised and tropicalised steel	B UNAV 1228	850091

GENERAL TERMS AND CONDITIONS OF SALE AND SUPPLY



To view the terms
and conditions
of the contracts
scan the QR code.



CONDITIONS OF SALE

GENERAL CONDITIONS OF SALE AND SUPPLY
Validity Ref. of Rev. 01/2020 from 20 July 2020

1. INTRODUCTION

Unless specifically waived in writing, these General Conditions of Sale and Supply (hereinafter "General Conditions") constitute an integral part of all sale and supply contracts entered into by Palazzoli S.p.A. (hereinafter "Palazzoli" or the "Company") and the Customer is considered to have accepted them through the Order Confirmation. All Palazzoli offers, order confirmations, deliveries and invoices are governed by these General Conditions, unless explicitly and specifically waived by Palazzoli in writing. The Customer is considered to have accepted these General Conditions even if they differ from any general or specific purchase conditions issued by the Customer itself, which shall in no way be binding on Palazzoli, unless the latter has specifically approved them in writing.

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Palazzoli
SISTEMI ELETTRICI E LUCE D'AUTORE