

RINO-EX Series

Zones 2, 22

LED LIGHTING FIXTURES IN STAINLESS STEEL

50.000h



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

Watertight light fixtures in AISI 2014/34 stainless steel for applications in explosion hazardous areas as defined in ATEX Directive 304/EU.

The light fixture is equipped with LED strips, 4000K colour temperature and CRI \geq 80, installed on an ultra-bright aluminium reflector.

The body is cold-drawn in a single piece. The diffuser is in tempered glass without metallic frame. The IP66 rating is guaranteed by a reinforced gasket in non-ageing elastomer and hooks in stainless steel AISI304.

The cable entry is made with an M20 cable gland in technopolymer.

Technical data sheets updated to new standards on palazzoli.com website

Compliance with standards
Directive ATEX 2014/34/EU
EN60079-0
EN60079-15
EN60079-31
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

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

Body material
AISI 304 stainless steel
Painted galvanised steel

Diffuser material
Tempered glass

Protection rating (IP according to IEC/EN 60529)
IP66

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

Colour
RAL 9016 (painted galvanised steel version)

Impact resistance (IK rating according to IEC/EN 62262)
IK09

Colour temperature
4000K

CRI **\geq 80**

Insulation class
I

Supply voltage
230 - 240V

Operating frequency
50-60Hz

Input surge protection EN 61000
2 kV

Photobiological risk
Exempt

Power factor
 \geq 0,95

Max conductor cross-section
2,5 mm²

Entry cable diameter
10 - 14 mm

Emergency battery lifetime
1h (3h on request)

Emergency battery recharging time
24h

Estimated device lifetime
L80 B20 @50.000h Tq=25°C

Storage temperature
-40°C - +70°C

Operating temperature
-25°C - +40°C



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

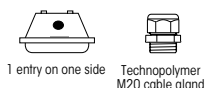


SUITABLE FOR ZONES 2 (GAS) AND 22 (DUST)

50.000h



LED light fixtures in **stainless steel - glass** with **extra wide beam optics IP66**



Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
24	690	3300	2885	standard	20	822142EX	1
38	1300	5600	4982		21	822242EX	1
44	1600	6500	6043		24	822342EX	1
19	690	2750	2468	emergency	22	822140EX	1
36	1300	5250	4756		23	822240EX	1
44	1600	6500	6043		24	822340EX	1

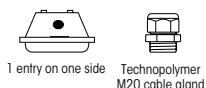
Equipment included: pair of hooks in AISI 304 steel for pendant mounting, code 820001.

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

50.000h



LED light fixtures in painted **galvanised steel-glass** with **extra wide beam optics IP66**



Device power (W)	Length (mm)	Rated flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
24	690	3300	2885	standard	20	842142EX	1
38	1300	5600	4982		21	842242EX	1
19	690	2750	2468		22	842140EX	1
36	1300	5250	4756	emergency	23	842240EX	1

Equipment included: pair of hooks in AISI 304 steel for pendant mounting, code 820001.

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

EMERGENCY FLUX		
Rated flux (lm) Tj= 25 °C	Output flux (lm) Tq= 25 °C	Output flux in emergency (lm) Tq= 25 °C
2.750	2.468	691
5.250	4.756	760
6.500	6.043	728

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



Pair of hooks for **suspended** installations of steel light fixtures

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	820001	1



Pair of adjustable supports for **wall** and **ceiling** installations of steel light fixtures

Manufacturing material	Rotation angle	Palazzoli code	Pack Qty
AISI 304 stainless steel	± 75°	820000	1



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

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