

Palazzoli

Datasheet

FLUORESCENT LIGHTINGS IN STAINLESS STEEL-GLASS
FOR ZONES 1,2 (GAS) – 21,22 (DUST)



In conformity with:

Directives 94/9/CE and 2014/34-UE, EN60079-0, EN60079-7, EN60079-18, EN60079-31

Directives 2006/95/CE EN 60598-1:2008 + A11: 2009 EN 60598-2-1:1989

ATEX WATERTIGHT LIGHTINGS IN STAINLESS STEEL - Zones 1, 2, 21, 22



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



II 2G 2D

Ex e mb IIC T4 Gb

Ex tb IIIC T 70 °C Db

Applications

Pharmaceutical, chemical and petrochemical industries, power plants, petrol stations, pasta and sugar factories, mills, mechanical workshops and any other potentially explosive atmosphere.

Advantages

Reliable

Thanks to its body in stainless steel AISI 304 and a special silicon gasket, it can be installed also in highly corrosive atmospheres.

Light and flexible

Being extremely light, it can easily be installed in several different positions, using a wide range of fixing accessories.

Easy wiring

The connection terminal is easily accessible without need of opening the lighting, thus reducing the installation time and the risk of error when reassembling.

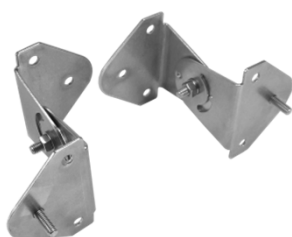
Homologations

CESI



Mounting solutions

Wall



Code 820010

Pendant



Code 820011

Pole



Code 820016

Ceiling



Code 820017

ATEX WATERTIGHT LIGHTINGS IN STAINLESS STEEL - Zones 1, 2, 21, 22

Watertight lighting fixtures in stainless steel AISI 304 suitable for applications in areas at risk of explosive atmospheres as defined in ATEX Directives 94/9/CE and 2014/34/UE.

The body is a unique piece in no welded stainless steel AISI 304, capable of standing particularly severe environments. The diffuser is in tempered glass and fixed to the body by a system of clips in stainless steel. The sealing is guaranteed by a reinforced gasket in non-ageing elastomer, granting the IP66 according to the Directive CEI EN 60529.

The lighting is equipped with an electronic power unit working at the voltage range of 110 to 230Vac/dc and at a frequency of 0/50/60Hz. The power unit is made up of an electronic part housed inside a resin filled insulated enclosure. It is realized with an electronic circuit conformed to the lamp end of life (EOL) protection requests; furthermore, it is protected against the lamps end of life overheating.

The G13 T8 lamp holder was studied to make the fluorescent tubes replacement easier, thanks to a rapid fixing system.

The wiring is carried out using silicon rubber cables with a glass braid protection.

The terminal block is of 4 mm² and suitable for the loop-in loop-out wiring. The ground connections can be internal as well as external.

The lighting has 3 M20 entries provided with a cable gland and two plugs. The accessories are fixed externally on the lighting body, using the dedicated fixing points.

Datasheet

Body material	Stainless steel AISI304 (body) Tempered glass (diffuser)
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Protection rating	IP66 (CEI EN 60529) Silicon gasket
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Mechanical impact resistance	7J
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Insulation class	I
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Weight	18W 4Kg 36W 6,4Kg
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Operating temperature resistance	-40°C - +55°C
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Wiring	Silicon rubber cables with glass braid protection
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Rated voltage	110/230V AC/DC
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Frequency	0-50-60 Hz
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Power supply	Terminal block 4mmq Suitable for loop-in loop-out
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Conformity to Directives	Directives 94/9/CE and 2014/34-UE EN60079-0, EN60079-7, EN60079-18, EN60079-31 Directives 2006/95/CE EN 60598-1:2008 + A11: 2009 EN 60598-2-1:1989
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Power factor	Cosφ 0.96
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Electronic power supply	Twin canals with end of life (EOL) protection
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Lamp holders	Twin pin G13 non sparking
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Equipment	Two M20 plugs and one M20 cable gland in nickel brass
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Codes and dimensions

Lighting with white reflector for T8 tubes

☐ 822181EX – 1x18W

☐ 822281EX – 1x36W

☐ 822182EX – 2x18W

☐ 822282EX – 2x36W

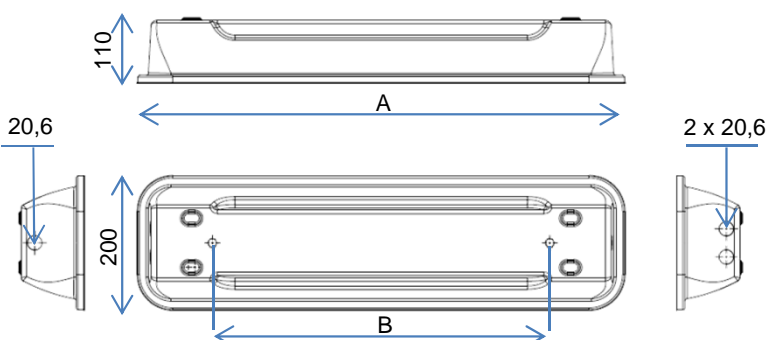
Mounting accessories

☐ 820010 wall

☐ 820011 pendant

☐ 820016 pole





















☐ 820017 ceiling



Wattage (W)	A (mm)	B (mm)
18	690	480
36	1300	1090

Palazzoli

The Palazzoli range for ATEX zones

		GAS		DUST	
		ZONE 1	ZONE 2	ZONE 21	ZONE 22
POWER SUPPLY	Industrial plugs in antistatic material		CEE-EX for zones 2-21-22		
	Interlocked sockets in antistatic thermosetting (GRP)		TAIS-EX for zones 2-21-22		
	Interlocked sockets in aluminium alloy		ALUPRES-EX for zones 2-21-22		
JUNCTION	Boxes in antistatic thermosetting (GRP)		TAIS-EX for zones 1-2-21-22		
	Boxes in aluminium alloy		ALUPRES-EX for zones 1-2-21-22		
	Cable glands and adaptors		UNI-EX for zones 1-2-21-22		
CONTROL - SIGNALLING	Rotary control devices in antistatic thermosetting (GRP)		CAM-EX for zones 2-21-22		
	Rotary control devices in aluminium alloy		CAM-EX for zones 2-21-22		
	Sirens and bells		ALARM-EX for zones 2-21-22		
	Small control devices in antistatic thermosetting (GRP)		TAIS MIGNON-EX for zones 2-22		
	Small control devices in aluminium alloy		RONDO'-EX for zones 2-22		
LIGHTING	Oval and round bulkhead lamps in aluminium alloy		RINO-EX for zones 2-21-22		
	Lighting fixtures in stainless steel		RINO-EX for zones 1-2-21-22	