

Palazzoli

General Catalogue



2019/2020

Palazzoli



CHIAREZZA DELLA FUNZIONE
SEMPLICITÀ DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE





ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE						X

MITO LED-EX is suitable for use in explosion hazardous areas according to ATEX directive 2014/34/EU.

MITO LED-EX guarantees specific lighting and mechanical characteristics for installation in industrial environments, food industries and outdoor areas. The body is made of die-cast aluminium with anti-corrosion treatment, finished with a scratch-resistant powder coating.

The diffuser, made of 4 mm extra-clear tempered glass, guarantees maximum resistance in harsh environments with chemical substances.

Thanks to the different optics available in the catalogue (extra wide beam, narrow beam, elliptical beam and asymmetrical beam), the working areas can be illuminated in the best possible way, guaranteeing visual comfort and the best lighting performance.

Compliance with standards

Directive ATEX 2014/34/EU
EN 60079-0
EN 60079-31
Directive 2014/35/EU
EN 60598-1
EN 60598-2-1
EN 62471
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	II 3D Ex tc IIIC T100 °C Dc
Body material	EN 46100 aluminium alloy
Surface treatment	Fluoro-zirconium treatment
Diffuser material	Extra clear tempered glass
Protection rating (IP according to IEC/EN 60529)	IP66
Paint	Hot-polymerised non-toxic polyester
Colour	RAL 9005
Impact resistance (IK rating according to IEC/EN 62262)	IK08
Corrosion class	C3 according to ISO 9223
Weight	max 9.5 kg
LED device efficiency	≥ 106 lm/W
Colour temperature	4000K (other temperatures on request)
CRI	≥ 80
Insulation class	I
Supply voltage	200-240V
Operating frequency	50-60 Hz
Input surge protection	10kV common mode 6 kV differential mode EN 61000
Residual flicker	< 1%
Photobiological risk	Exempt
Glare index	UGR ≤ 22
Power factor	≥ 0.95
Max conductor cross-section	1.5 mm ²
Entry cable diameter	7-13 mm
Cable entry	ATEX cable gland M20
Estimated device lifetime	L80 B20 @110.000h Tq= -30 °C to +40 °C
Storage temperature	-40 °C - +70 °C
Operating temperature	-30 °C to +40 °C (up to +55 °C or other special configurations on request. Table on page 270)





SUITABLE FOR ZONE 22 (DUST)

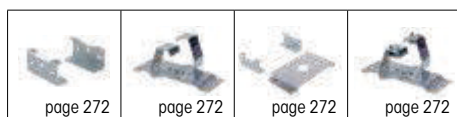


Suspension LED light fixtures
glass diffuser
roto-symmetrical
extra wide beam optics
IP66

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
9	99	13230	1-10 V dimmable standard	1	810090EX	1
12	133	17640		1	810020EX	1
15	168	22050		1	810050EX	1
18	199	26460		1	810080EX	1

Equipment included: quick connection for suspension.
Features: UGR>22. Typical installation height between 5 and 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance. Other DALI or wireless control systems are available on request.

Technical accessories:

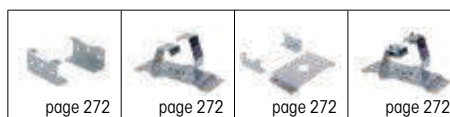


Suspension LED light fixtures
glass diffuser
elliptical beam optics
IP66

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
9	99	13230	1-10 V dimmable standard	8	810092EX	1
12	133	17640		8	810022EX	1
15	168	22050		8	810052EX	1
18	199	26460		8	810082EX	1

Equipment included: connection with double chain bracket.
Features: suitable for installation between the aisles of industrial warehouses etc.
Notes: the stated values may be subject to a +/- 7% tolerance. Other DALI or wireless control systems are available on request.

Technical accessories:



Suspension LED light fixtures
glass diffuser
roto-symmetrical
narrow beam optics
IP66

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
9	99	13230	1-10 V dimmable standard	2	810091EX	1
12	133	17640		2	810021EX	1
15	168	22050		2	810051EX	1
18	199	26460		2	810081EX	1

Equipment included: quick connection for suspension.
Features: typical installation height over 9 m.
Notes: the stated values may be subject to a +/- 7% tolerance. Other DALI or wireless control systems are available on request.

Technical accessories:



LED floodlights
glass diffuser
asymmetrical optics
IP66

No. of LEDs	Device power (W)	Rated flux (lm) Tj= 25 °C	Version	Photometric curves	Palazzoli code	Pack Qty
9	99	13230	1-10 V dimmable standard	4	810296EX	1
12	133	17640		4	810226EX	1
15	168	22050		4	810256EX	1
18	199	26460		4	810286EX	1

Equipment included: adjustable bracket for wall-mounting or mounting on load-bearing structures (walls, poles, pylons).
Features: suitable for illuminating outdoor areas.
Notes: the stated values may be subject to a +/- 7% tolerance. Other DALI or wireless control systems are available on request.

Technical accessories:



The background of the entire page is a night-time satellite view of the Earth, showing the illuminated continents of Europe and Africa. A bright sun or star is positioned at the horizon, creating a lens flare effect. A network of blue lines and dots, resembling a constellation or a data network, is overlaid on the image. The Palazzoli logo is prominently displayed at the top center.

Palazzoli

— excellence —
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