

# *Palazzoli*

## General Catalogue



2019/2020

# ***Palazzoli***



CHIAREZZA DELLA FUNZIONE  
SEMPLICITÀ DI PROGETTO  
QUALITÀ DELLA MANIFATTURA

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CLARITY OF FUNCTION  
PROJECT SIMPLICITY  
QUALITY OF MANUFACTURE





# META-EX series

## Suspensions and LED floodlights in aluminium alloy

ATEX solutions for explosive atmospheres

ZONE	GAS			DUST		
	0	1	2	20	21	22
USABLE						X

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

META-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 <sup>2</sup>
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)



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

The photometric curves (LDT files) are available on [www.palazzolilux.com](http://www.palazzolilux.com)



### 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	<b>810090EX</b>	1
12	133	17640		1	<b>810020EX</b>	1
15	168	22050		1	<b>810050EX</b>	1
18	199	26460		1	<b>810080EX</b>	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:**

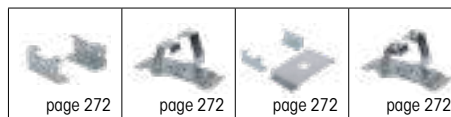


Suspension LED light fixtures  
glass diffuser  
elliptical beam optics  
IP66

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	<b>810092EX</b>	1
12	133	17640		8	<b>810022EX</b>	1
15	168	22050		8	<b>810052EX</b>	1
18	199	26460		8	<b>810082EX</b>	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	<b>810091EX</b>	1
12	133	17640		2	<b>810021EX</b>	1
15	168	22050		2	<b>810051EX</b>	1
18	199	26460		2	<b>810081EX</b>	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	<b>810296EX</b>	1
12	133	17640		4	<b>810226EX</b>	1
15	168	22050		4	<b>810256EX</b>	1
18	199	26460		4	<b>810286EX</b>	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 vibrant blue space-themed image. It features a view of the Earth from space, with the sun rising over the horizon, creating a bright lens flare effect. The Earth's surface is visible, showing continents and city lights at night. Overlaid on this is a network of glowing blue lines connecting various points, resembling a global communication or data network. The overall color palette is dominated by deep blues and bright whites from the sun.

# **Palazzoli**

— excellence —  
**FROM ITALY**

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