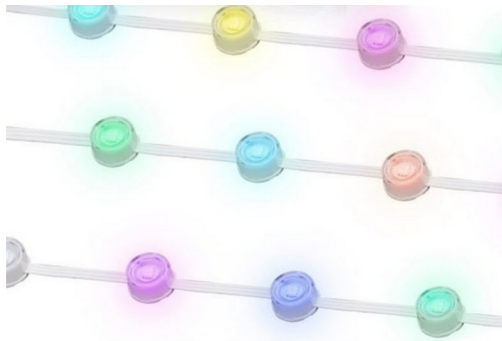


PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-PIX 20 is a direct-view pixel luminaire for creative urban concepts — media façades, low-density video displays and environmental graphics. The pixels can be arranged in any formation, enabling flexible, close integration with architecture.

Each compact 20 × 15 mm pixel is individually addressable over DMX in RGB, at 0.2 or 0.5 W per pixel from 24 V DC. The fully-potted polycarbonate housing is IP67 and ESD-protected for outdoor use, with clip on/off, connectorless anti-pull joints for fast daisy-chain assembly. Choose dome type and pixel pitch to suit the display resolution.

Features

- Direct-view, individually addressable RGB pixels over DMX.
- Compact 20 × 15 mm dot — arrange in any formation for media façades.
- Clip on/off, connectorless anti-pull joints for fast daisy-chain assembly.
- Fully potted with imported glue; outdoor-rated with ESD protection.
- Polycarbonate housing; IP67 · IK08.
- Four dome types and four pixel pitches (5–30 cm); white or black body.

At a glance

<p>⚡ Power 0.2 · 0.5 W/pixel · 24 V DC</p>	<p>◆ Protection IP67 · IK08</p>	<p>✳ Beam 120° beam</p>	<p>⚡ Temperature -30 °C to +50 °C</p>	<p>◆ Housing / Cert. Polycarbonate CE compliant</p>	<p>★ Warranty 5 years, limited</p>
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PROJECT	FIRM	ORDER #	TYPE	QTY
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Variant matrix

Photometric and electrical performance (per pixel).

PL-PIX-20-*	Power/pixel	LED	Ch / pixel	Control	Beam	Flux (0.5 W)
A	0.2 W	SMD 5050	3 (R·G·B)	DMX	120°	—
B	0.5 W	SMD 5050	3 (R·G·B)	DMX	120°	R8 · G15 · B4 lm

Specifications

Series	Pixel Series — direct-view pixel luminaire
Product code	PL-PIX-20-*.~*.~*.~* (see Configure your product on page 4)
Pixel size	20 mm × 15 mm
Colour	RGB
LED type	SMD 5050
LEDs per pixel	1
Power per pixel	0.2 W · 0.5 W
Operating voltage	24 V DC
Control protocol	DMX (per-pixel addressable)
Beam angle	120°
Luminous flux (0.5 W)	R 8 lm · G 15 lm · B 4 lm
Max run length	5 m
Pixel pitch	5 cm · 10 cm · 20 cm · 30 cm
Dome / lens	Flat clear · Flat diffused · Dome clear · Dome diffused
Body finish	White · Black · custom
Housing	Polycarbonate
IP rating	IP67
IK rating	IK08
Operating temperature	-30 °C to +50 °C
LED lifetime	50,000 hours
Connection	Clip on/off · anti-pull connectorless · daisy-chain
Warranty	5 years, limited · CE compliant

PROJECT	FIRM	ORDER #	TYPE	QTY
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Dimensions

Pixel dot & pitch

Compact pixel dot, 20 × 15 mm, on a flexible connectorless string. Pixel pitches 5 / 10 / 20 / 30 cm; runs up to 5 m. Custom available.

Dome & body

Four dome types — flat clear, flat diffused, dome clear and dome diffused — set the light spread. Body finish white or black (custom available).

Installation

Mounting

- Arrange the pixel dots in the desired formation and fix to the substrate; the flexible string and clip joints allow free-form layouts.
- Connectorless anti-pull joints clip on and off for fast assembly and service.

Electrical & control

- Power from a 24 V DC supply sized for the total pixel count and wattage (0.2-0.5 W per pixel, plus headroom).
- Each pixel is individually addressable over DMX; daisy-chain dots and inject power for long runs (up to 5 m).
- IP67 — fully potted; suitable for permanent outdoor installation.

PROJECT	FIRM	ORDER #	TYPE	QTY
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Configure your product

Build your model code in the form PL-PIX-20-<colour>-<wattage>-<body>-<dome>-<pitch>, selecting one option from each row below.

#	Field / option codes
1	Colour: 1 RGB · Z custom
2	Wattage / pixel: A 0.2 W · B 0.5 W · Z custom
3	Body finish: 1 White · 2 Black · Z custom
4	Dome type: A Flat clear · B Flat diffused · C Dome clear · D Dome diffused · Z custom
5	Pixel pitch: 1 5 cm · 2 10 cm · 3 20 cm · 4 30 cm · Z custom

Example product codes

PL-PIX-20-1-A-2-A-4 RGB · 0.2 W/px · black body · flat-clear dome · 30 cm pitch

PL-PIX-20-1-B-1-B-2 RGB · 0.5 W/px · white body · flat-diffused dome · 10 cm pitch

Pixel control & DMX

Every PL-PIX 20 dot is an individually addressable pixel. Driven over DMX, the array renders low-resolution video, gradients and graphics; pixel pitch (5–30 cm) sets the display resolution and viewing distance.

Pixel pitch & resolution

Pixel pitch	Approx. density	Typical use
5 cm	~400 dots/m ²	Highest resolution
10 cm	~100 dots/m ²	High resolution
20 cm	~25 dots/m ²	Medium resolution
30 cm	~11 dots/m ²	Long viewing distance

Control notes

- Each pixel is individually addressable over DMX.
- Pixel pitch sets resolution — closer pitch for nearer viewing.
- Inject 24 V DC power along long runs to hold brightness.