

PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-PIX 30 is a direct-view pixel luminaire for creative urban concepts — media façades, low-density video displays and environmental graphics. The pixel dots can be arranged in any formation, enabling flexible, close integration with architecture.

Each pixel is individually addressable over DMX in RGBW, RGB or static CCT, at 1 or 1.5 W per pixel from 24 V DC. The fully-potted polycarbonate housing (UL94-V0) 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 RGBW / RGB / CCT pixels over DMX.
- Arrange in any formation for media façades and low-density video displays.
- Clip on/off, connectorless anti-pull joints for fast daisy-chain assembly.
- Fully potted with imported glue; outdoor-rated with ESD protection.
- Polycarbonate housing, UL94-V0 flame retardance; IP67 · IK08.
- Four dome types and four pixel pitches (10-30 cm); white or black body, any custom.

At a glance

<p>⚡ Power 1 · 1.5 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 · UL94-V0 CE compliant</p>	<p>★ Warranty 5 years, limited</p>
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Variant matrix

Colour modes and control (per pixel).

PL-PIX-30-*	Colour mode	LED	Ch / pixel	Control	Beam	Pixel pitch
1-3	RGBW	4-in-1 RGBW	4 (R·G·B·W)	DMX	120°	10-30 cm
4	RGB	3-in-1 RGB	3 (R·G·B)	DMX	120°	10-30 cm
5-10	Static CCT	White	1 (dimming)	DMX	120°	10-30 cm

Specifications

Series	Pixel Series — direct-view pixel luminaire
Product code	PL-PIX-30-*.***.* (see Configure your product on page 4)
Pixel dot diameter	≈ 30 mm (see dimensions)
Colour modes	RGBW · RGB · Static CCT
RGBW options	RGBW 3000 K · 4000 K · 6500 K
RGB option	RGB (3-in-1)
CCT options	2700 K · 3000 K · 3500 K · 4000 K · 5000 K · 6000 K
Power per pixel	1 W · 1.5 W
Operating voltage	24 V DC
Control protocol	DMX (per-pixel addressable)
Beam angle	120°
Pixel pitch	10 cm · 15 cm · 20 cm · 30 cm
Dome / lens	Flat clear · Flat diffused · Dome clear · Dome crystal
Body finish	White · Black · custom
Housing	Polycarbonate
Flame retardance	UL94-V0
IP rating	IP67
IK rating	IK08
Operating temperature	-30 °C to +50 °C
Connection	Clip on/off · anti-pull connectorless · daisy-chain
Protection	Outdoor-rated · ESD protection · fully potted (imported glue)
Warranty	5 years, limited · CE compliant

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Dimensions

Pixel dot & pitch

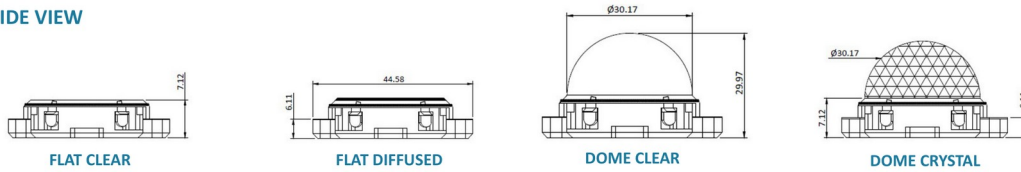
Direct-view pixel dot, ≈ 30 mm diameter, on a flexible connectorless string. Standard pixel pitches 10 / 15 / 20 / 30 cm; custom available.

Dome & body

Four dome types — flat clear, flat diffused, dome clear and dome crystal — set the light spread and look. Body finish white or black (custom available). See drawing for dome dimensions.

DIMENSIONS

SIDE VIEW



ISOMETRIC VIEW



Side and isometric views of the four dome types (dimensions in mm).

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 on façades and structures.
- 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 (1–1.5 W per pixel, plus headroom).
- Each pixel is individually addressable over DMX; daisy-chain dots and inject power as required for long runs.
- IP67 — fully potted; suitable for permanent outdoor installation.

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Configure your product

Build your model code in the form PL-PIX-30-<colour>-<wattage>-<body>-<dome>-<pitch>, selecting one option from each row below.

#	Field / option codes
1	Colour (CCT / RGBW): 1 RGBW 3000 K · 2 RGBW 4000 K · 3 RGBW 6500 K · 4 RGB · 5 CCT 2700 K · 6 CCT 3000 K · 7 CCT 3500 K · 8 CCT 4000 K · 9 CCT 5000 K · 10 CCT 6000 K · Z custom
2	Wattage / pixel: A 1 W · B 1.5 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 crystal · Z custom
5	Pixel pitch: 1 10 cm · 2 15 cm · 3 20 cm · 4 30 cm · Z custom

Example product codes

PL-PIX-30-3-A-2-A-4 RGBW 6500 K · 1 W/px · black body · flat-clear dome · 30 cm pitch

PL-PIX-30-4-B-1-B-2 RGB · 1.5 W/px · white body · flat-diffused dome · 15 cm pitch

Pixel control & DMX

Every PL-PIX 30 dot is an individually addressable pixel. Driven over DMX, the array renders low-resolution video, gradients and graphics; pixel pitch (10-30 cm) sets the display resolution and viewing distance.

Pixel pitch & resolution

Pixel pitch	Approx. density	Typical use
10 cm	~100 dots/m ²	Highest resolution
15 cm	~44 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.