

PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-PIX 100 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.

This high-output 100 mm pixel is individually addressable over DMX in RGBW or static CCT at 3 W per pixel from 24 V DC, delivering 122 lm per pixel. The die-cast aluminium housing (grey RAL 9006) with crystal dome is IP65 and ESD-protected for outdoor use, and ships with 0.3 m cable in and out for fast daisy-chaining.

Features

- Direct-view, individually addressable RGBW / CCT pixel over DMX.
- High output — 122 lm per pixel at 3 W.
- Die-cast aluminium housing, powder-coat grey RAL 9006.
- Crystal dome; outdoor-rated with ESD protection.
- IP65; includes 0.3 m cable in and cable out.
- Arrange in any formation for media façades and graphics.

At a glance

<p>⚡ Power 3 W/pixel · 24 V DC</p>	<p>◆ Protection IP65</p>	<p>☀ Beam 120° beam</p>	<p>🌡 Temperature -30 °C to +60 °C</p>	<p>♦ Housing / Cert. Die-cast aluminium CE compliant</p>	<p>★ Warranty 5 years, limited</p>
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Variant matrix

Colour modes and output (per pixel).

PL-PIX-100-*	Colour mode	LED	Ch / pixel	Control	Flux / pixel	Dome
1-3	RGBW	SMD 5050	4 (R·G·B·W)	DMX	122 lm	Crystal
4-9	Static CCT	SMD 5050	1 (dimming)	DMX	122 lm	Crystal

Specifications

Series	Pixel Series — high-output pixel luminaire
Product code	PL-PIX-100-* (see Configure your product on page 4)
Dimensions	Ø 100 mm × 75 mm (L1 100 · L2 75)
Colour modes	RGBW · Static CCT
RGBW options	RGBW 3000 K · 4000 K · 6500 K
CCT options	2700 K · 3000 K · 3500 K · 4000 K · 5000 K · 6000 K
LED type	SMD 5050
LEDs per pixel	3
Power per pixel	3 W
Operating voltage	24 V DC
Luminous flux	122 lm/pixel (RGBW 3000 K · CRI 80)
Control protocol	DMX (per-pixel addressable)
Beam angle	120°
Dome / lens	Crystal dome
Housing	Die-cast aluminium · powder-coat grey (RAL 9006)
IP rating	IP65
IK rating	IK08
Operating temperature	-30 °C to +60 °C
LED lifetime	50,000 hours
Cabling	0.3 m cable in and cable out included
Connection	Daisy-chain · ESD protection
Warranty	5 years, limited · CE compliant

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Dimensions

Pixel & cavity

Round pixel, Ø 100 mm (L1), 75 mm deep (L2 insert-cavity position). Supplied with 0.3 m cable in and out for daisy-chaining.

Build & dome

Die-cast aluminium body, powder-coat grey (RAL 9006), with a crystal dome. IP65, ESD-protected, for outdoor architectural use.

Installation

Mounting

- Insert each pixel into the prepared cavity (L2 75 mm) and fix; arrange in any formation for façades and graphics.
- Pixels daisy-chain using the supplied 0.3 m cable in / cable out.

Electrical & control

- Power from a 24 V DC supply sized for the total pixel count (3 W per pixel, plus headroom).
- Each pixel is individually addressable over DMX; daisy-chain and inject power for long runs.
- IP65 — suitable for outdoor installation; seal all joints to the same rating.

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Configure your product

Build your model code in the form PL-PIX-100-<colour>, selecting the colour below.

#	Field / option codes
1	Colour (CCT / RGBW): 1 RGBW 3000 K · 2 RGBW 4000 K · 3 RGBW 6500 K · 4 CCT 2700 K · 5 CCT 3000 K · 6 CCT 3500 K · 7 CCT 4000 K · 8 CCT 5000 K · 9 CCT 6000 K · Z custom
—	Fixed: 3 W/pixel · crystal dome · die-cast aluminium · Ø 100 × 75 mm (L1 / L2 cavity).

Example product codes

PL-PIX-100-1 RGBW 3000 K · 3 W/pixel · crystal dome

PL-PIX-100-5 Static CCT 3000 K · 3 W/pixel · crystal dome

Pixel control & DMX

Every PL-PIX 100 is an individually addressable, high-output pixel. Driven over DMX, arrays render bold low-resolution video, gradients and graphics at long viewing distances.

Output

Measure	Value	Avg. LED life
Flux / pixel	122 lm (3 W)	50,000 h
Colour	RGBW 3000 K · CRI 80	—

Control notes

- Each pixel is individually addressable over DMX.
- RGBW gives full colour mixing; static CCT uses DMX for dimming.
- Daisy-chain with the supplied 0.3 m cable in / out.