

PROJECT	FIRM	ORDER #	TYPE	QTY
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PL-FLD 300 is a high-power outdoor LED flood projector with a special rotation design that enables infinite positioning for a wide range of light effects. Its minimalistic die-cast aluminium housing makes it a natural fit for large architectural facades, monuments and landscape lighting.

Built on 44 high-power LEDs with a broad choice of optics, it delivers up to 22,500 lm with precise control over brightness, colour and beam angle — available in static CCT and RGBW versions, in 150 W, 200 W and 300 W ratings, powered directly from 220–240 V AC.

Features

- Rotation design with infinite positioning — aim, lock and re-aim for any light effect.
- 44 high-power LEDs — 11,250 lm (150 W) up to 22,500 lm (300 W).
- Seven beam angle options from 10° to 90°, including a 10°×45° elliptical optic.
- Static CCT and RGBW versions, controlled via DMX.
- IP66 die-cast aluminium housing with 4 mm tempered glass front.
- Omega-bracket mounting; optional honeycomb louvre for glare control.

At a glance

<p>⚡ Power 150–300 W · 220–240 V AC</p>	<p>◆ Protection IP66</p>	<p>☀ Beam 7 beam angle options</p>	<p>🌡 Temperature –30 °C to +70 °C</p>	<p>◆ CRI / Cert. RA80+ (3000 K) CE compliant</p>	<p>★ Warranty 5 years, limited</p>
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Variant matrix

Photometric and electrical performance by variant.

PL-FLD-300-*	LED type	LED qty	Wattage	Luminous flux	Control	Beam angles
Static CCT — 150 W	High-power warm / cool white	44 pcs	150 W	11,250 lm	DMX	10°-90°
Static CCT — 200 W	High-power warm / cool white	44 pcs	200 W	15,000 lm	DMX	10°-90°
Static CCT — 300 W	High-power warm / cool white	44 pcs	300 W	22,500 lm	DMX	10°-90°
Static RGBW — 150 W	High-power 4-in-1 RGBW	44 pcs	150 W	11,250 lm	DMX	10°-90°
Static RGBW — 200 W	High-power 4-in-1 RGBW	44 pcs	200 W	15,000 lm	DMX	10°-90°
Static RGBW — 300 W	High-power 4-in-1 RGBW	44 pcs	300 W	22,500 lm	DMX	10°-90°

Specifications

Series	LED Flood Series — RGBW / CCT
Product code	PL-FLD-300-*.*. (see Configure your product on page 4)
LED type	High-power 4-in-1 RGBW + warm white
LED quantity	44 pcs
Operating voltage	220-240 V AC
Wattage	150 W · 200 W · 300 W
Luminous flux	11,250 lm (150 W) · 15,000 lm (200 W) · 22,500 lm (300 W)
CRI	RA80+ (based on 3000 K)
CCT options	Static: 2700 K · 3000 K · 3500 K · 4000 K · 5700 K
RGBW options	RGBW — 3000 K · RGBW — 4000 K
Beam angle	10° · 15° · 25° · 45° · 60° · 90° · 10°×45°
Control protocol	DMX
LED lifetime	80% lumen maintenance after 50,000 hours
Dimensions	L 450 mm × W 270 mm
Weight	To be confirmed
Housing	Die-cast aluminium · powder coating
Front screen	4 mm tempered glass
IP rating	IP66
Operating temperature	-30 °C to +70 °C
Installation	With omega brackets
Accessories	Honeycomb louvre (optional) · CE compliant
Warranty	5 years, limited

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Dimensions

Overall dimensions

Length 450 mm · Width 270 mm (body, excluding the omega brackets). Depth not specified by the manufacturer.

Weight & construction

Weight to be confirmed. Die-cast aluminium housing with powder coating and a 4 mm tempered-glass front screen. Dimensions are identical across all variants.

Installation

Mounting

- Fix the supplied omega brackets to the substrate or rigging, then mount the projector. The rotation design allows infinite positioning — set the aiming angle and lock it.
- Fit the optional honeycomb louvre where glare control is required.

Electrical

- Connect directly to a 220–240 V AC mains supply rated for the fixture wattage (150 W, 200 W or 300 W, plus headroom). The driver is integrated.
- Run DMX as a twisted pair and keep cable lengths short between controller and first fixture.
- IP66 — suitable for permanent outdoor use; seal all cable joints to the same rating.

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Configure your product

Build your model code in the form PL-FLD-300-*.***, replacing the asterisks with the option codes below: colour (CCT / RGBW), wattage, beam angle.

Option	CCT / RGBW variant	Option	Wattage / Beam angle
A	Static CCT — 2700 K	1	150 W
B	Static CCT — 3000 K	2	200 W
C	Static CCT — 3500 K	3	300 W
D	Static CCT — 4000 K	A · B · C	Beam 10° · 15° · 25°
E	Static CCT — 5700 K	D · E · F	Beam 45° · 60° · 90°
F	Static RGBW — 3000 K	G	Beam 10°×45° elliptical
G	Static RGBW — 4000 K		

Example product codes

PL-FLD-300-A-1-B LED flood light — Static CCT 2700 K · 150 W · 15° beam

PL-FLD-300-F-3-C LED flood light — Static RGBW 3000 K · 300 W · 25° beam

DMX control

The PL-FLD 300 is controlled via DMX. RGBW versions offer full colour mixing; static CCT versions use the DMX signal for dimming.

Output by wattage

Wattage	Luminous flux	Avg. LED life
150 W	11,250 lm	50,000 h (80%)
200 W	15,000 lm	50,000 h (80%)
300 W	22,500 lm	50,000 h (80%)

Control notes

- DMX is the control protocol for all versions.
- Pixelerr DMX controllers and the Pixelerr App can drive the PL-FLD 300 directly.
- Power is taken directly from 220-240 V AC — no external driver is required.