

PL-DJL-40W

Overview

The PL-DJL-40W Firefly Effect Light is a high-performance outdoor decorative lighting fixture designed to create a dazzling firefly-like visual effect. With a powerful 40W high-power laser diode source and advanced optical projection system, it delivers vivid, dynamic light points across a wide area. Its IP65-rated aluminum housing ensures excellent durability and weather resistance, making it ideal for gardens, facades, theme parks, and outdoor installations. Engineered for reliability, the fixture includes temperature monitoring technology that automatically adjusts brightness under high-temperature conditions — ensuring stable performance and extended service life even in demanding environments.

Product Specification

Items	Details
Light Type	1 × High Power Laser Diode
Lifetime	> 8,000 hours
Number of Photoelectric Points	600 pcs
Beam Angle	80°
Voltage	AC100-240V, 50/60Hz
Power Factor	93
Power Consumption	40W
Electrical Safety Level	Class I
ESD Protection	IEC61000-4
IP Rating	IP65

Feature

- High-Intensity Laser Source – Equipped with a 40W high-power laser diode providing bright and dynamic firefly effects.
- IP65 Waterproof Rating – Durable construction for outdoor environments, resistant to dust, rain, and moisture.
- Temperature Auto-Dimming – Intelligent thermal protection automatically reduces brightness when temperature is too high.
- Energy Efficient – Power factor 0.93 for optimized electrical efficiency and stability.
- Wide Projection Range – Covers up to 65 square meters, ideal for decorative and landscape lighting.
- Lightweight Aluminum Housing – Corrosion-resistant and easy to install, suitable for long-term outdoor use.
- Wide Operating Temperature – Functions reliably from -25°C to +50°C.

Items	Details
Shell Material	Aluminum
Mask Material	Stainless Steel + Glass
Dimensions (L × W × H)	200 × 210 × 250 mm
Weight	2.5 kg
Temperature Detection	Automatic brightness reduction at high temperature
Best Projection Distance	3-8 meters
Best Projection Range	12-65 square meters
Working Temperature	-25°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Humidity Range	0-90% RH

