

PL-DJL-10W



Overview

The PL-DJL-10W Firefly Effect Light is a compact, weather-resistant decorative fixture designed to create a mesmerizing “firefly” or “starry night” visual effect for outdoor and indoor environments.

Powered by a high-power laser diode and equipped with 600 optical points, this unit delivers dynamic sparkle and motion across walls, trees, or architectural surfaces. Its wide 80° beam angle ensures broad coverage, while the temperature protection system automatically regulates brightness to ensure long-term stability and safety.

Engineered with IP65-rated aluminum housing, stainless steel glass front, and IEC61000-4 ESD protection, the PL-DJL-10W is built for durability in harsh conditions. Ideal for gardens, facades, event spaces, or creative installations requiring subtle, twinkling light effects with minimal power consumption.

Feature

- High-precision optical system with 1 × high-power laser diode producing 600 dynamic light points.
- Wide 80° beam angle ensures large-area coverage (12–65 m²).
- Auto temperature protection – brightness automatically reduces at high temperatures for extended lifespan.
- Durable construction – aluminum body with stainless steel glass front, IP65-rated for outdoor use.
- Energy-efficient operation – only 10W power consumption with Power Factor 0.93.
- Safe and stable performance – Class I electrical safety and IEC61000-4 ESD protection.
- Reliable lifespan – light source lifetime over 8,000 hours.
- Optimized projection – best range 3–8 meters for vivid firefly effect.

Product Specification

Items	Details	Items	Details
Model	PL-DJL-10W Firefly Effect Light	Beam Angle	80°
Voltage	AC100–240V, 50/60Hz	Temperature Detection	Automatic brightness reduction when temperature is too high
Power Factor/Consumption	93/10W	Best Projection Distance	3–8 meters
Electrical Safety Level	Class I	Best Projection Range	12–65 square meters
ESD Protection	IEC61000-4	Working Temperature	-25°C to +50°C
IP Rating	IP65	Storage Temperature	-40°C to +70°C
Shell Material/Mask Material	Aluminum/Stainless steel glass	Humidity Range	0–90% RH
Light Source/time	1 × High Power Laser Diode / >8,000 hours	Dimensions (L × W × H) / Weight	200 × 210 × 250 mm / 2.5 kg
Number of Photoelectric Points	600 pcs		

