

LED Light Engine Specification

Minar Illumination offers unique weather-proof high power LED light engine for starry floors and perimeter lighting. This LEI series of outdoor light engines features high power RGBW LED array as well as the overheat protection mechanism. For 180W light engine, each color is 36W for superior brightness.

Inside the light engine there is a twinkle wheel which offers continuous twinkle effect. Along with the light engine there is an optional 18-key RF remote control for different programs and dimming. The maximum port inner diameter is 30mm, which can accommodate 1250pcs of 0.75mm fiber strands. In addition, mobile-APP control is available as an optional feature for all three models.

The light engine housing is made of stainless steel SS-304 with an IP rating of IP43. It could be used for swimming pools and walls in outdoor environment. These lighting engines are ideal for perimeter lighting using side-emitting fiber optic cables, as well as for creating a starry sky effect at the bottom of swimming pools and in parks using end-emitting fiber-optic cables.



Model	LEI-4121DMX /WP	LEI-4241DMX/WP	LEI-4361DMX/WP
Programs	Brightness adjustment, Color changing, and Built-in programs		
DMX modes	(1) DMX 512 Signal mode (2) Master and slave mode (DMX socket standard: XLR)		
Remote Control	RF-18 (18-Button, RF)		
Mobile App	Yes		
Control Mode	Remote Control / DMX512 /Mobile App / On-board Display /Audio		
Light source type	LED Array		
Working voltage	AC 100-240V		
Power	80W	120W	180W
Light color mode	RGBW (W: 6000K)		
Luminous flux	4*14W	4*24W	4*36W
Disc/Wheel	Twinkle Effect		
Aperture (Fiber optic port diameter)	3-in-1 (20mm/24mm/28mm) or 30 mm		
Maximum fiber tail capacity	1250pcs of 0.75mm		
Material of housing	Stainless Steel SS-304		
IP rating	IP43		
Net weight	8 kg		
Light engine dimensions	347 mm (L) x 287 mm (W) x 195 mm (H)		
Weight with packaging	9 kg		
Package dimensions (excluding fiber optic bundle)	400 mm (L) x 390 mm (W) x 290 mm (H)		
Lifetime	30,000 hours		
Warranty	2 years		

Package Includes:

- 1 x 80W/120W/180W fiber optic light engine
- 1 x Remote control (optional)
- 1 x 20/24/28mm 3-in-1 or 30mm fiber connector
- 1 x DMX signal cable, 5m long
- 1 x Fuse
- 1 x User manual
- 2 x Keys of Waterproof Lock

Light engine dimensions:

