



MINAR ILLUMINATION ELECTRONIC LTD.

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LED Light Engine Specification

Minar Illumination offers unique high power LED light engine for starry ceiling. This light engine features high power white LED as well as the overheat protection mechanism. For 180W light engine, it applies RGBW LED modules of 36W each color for superior brightness.

Inside the light engine there is a twinkle wheel which offers continuous twinkle effect. The twinkle wheel could be removed if the twinkle effect is not needed, and the light engine will be brighter. Along with the light engine there is an optional 18-key RF remote control for choosing different programs and dimming control.

This type of light engine is the ideal for perimeter lighting using side glow fiber cable and large-scale starry effect at swimming pool floor and ceilings.



Model	LEI-4121DMX	LEI-4241DMX	LEI-4361DMX
Programs	Static/Cycling colors, speed and brightness adjustment		
DMX modes	(1) DMX 512 Signal mode (2) Master and slave mode (DMX socket standard: XLR)		
Control Mode	On-board Display, DMX Control, Remote Cotnrol (RC-18), APP		
Light source type	LED		
Working voltage	AC 100-240V		
Power	50W	120W	180W
Light color mode	RGBW (W: 6000K)		
LED power	4*12W	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	Aluminum		
IP rating	IP20		
Net weight	6.0 kg		
Light engine dimensions	292 mm (L) x 274 mm (W) x 135 mm (H)		
Weight with package	7 kg		
Package dimensions (excluding fiber optic bundle)	370 mm (L) x 340 mm (W) x 220 mm (H)		
Lifetime	30,000 hours		
Warranty	2 years		

Package Includes:

- 1 x 50W/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

Light engine dimensions:

