



ADM LED Module – Luna Pro Series

LM-LUNA-P

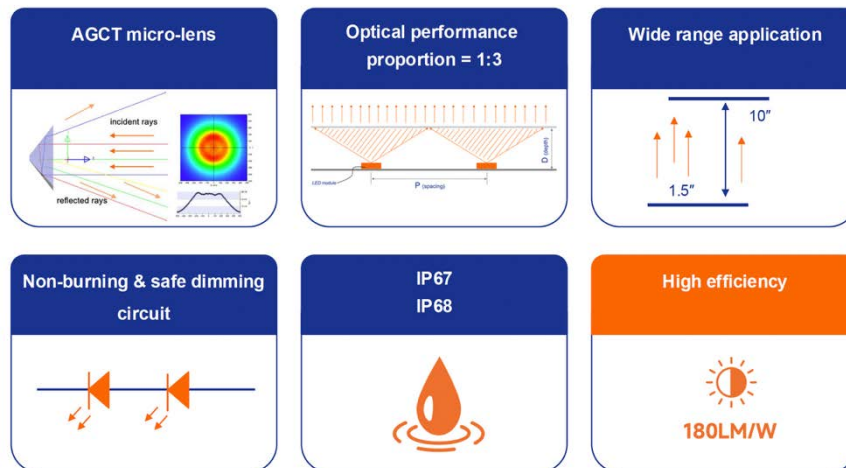
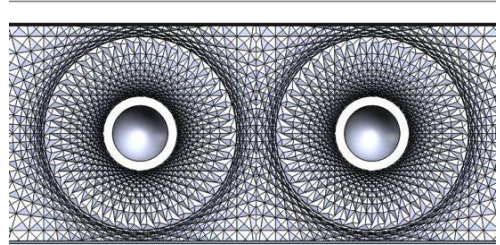
Feature

- AGCT micro-lens for top optical uniformity
- High efficiency (up to 180 LPW)
- Wide CCT options: 2700K–8000K+, CRI 70/80
- IP67/IP68 rated – water and dust resistant
- Safe dimming, non-burning circuit
- Compact sizes, slim and versatile
- Multiple models: P, S, C, M for different applications
- <5% brightness variation across constant current chains



Application

- Channel letters (shallow to deep)
- Lightboxes and sign cabinets
- Backlit signage
- Retail, indoor, and outdoor signage
- Harsh or high-sulfur environments (IP67/IP68 rated)





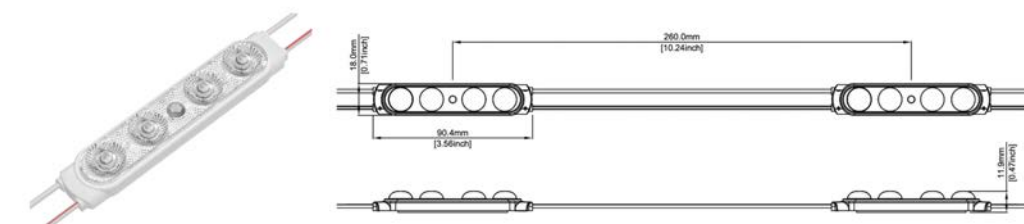
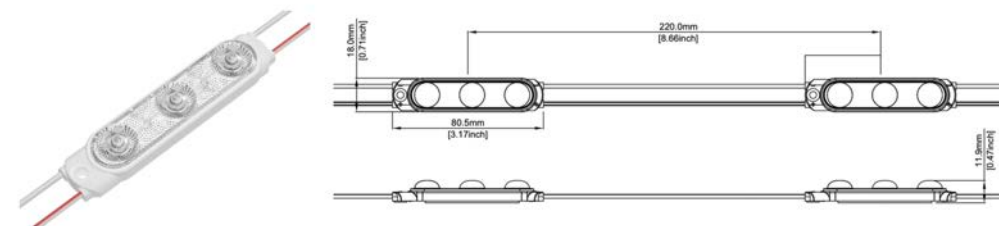
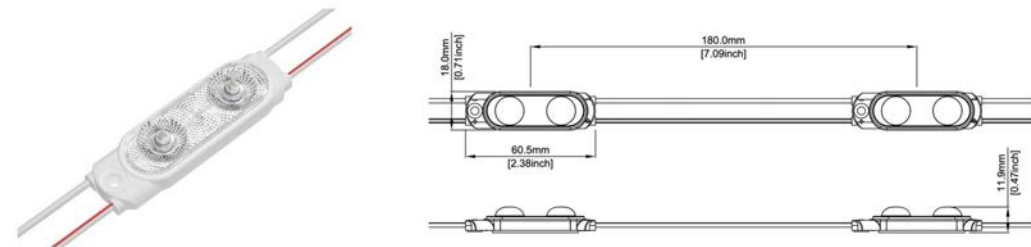
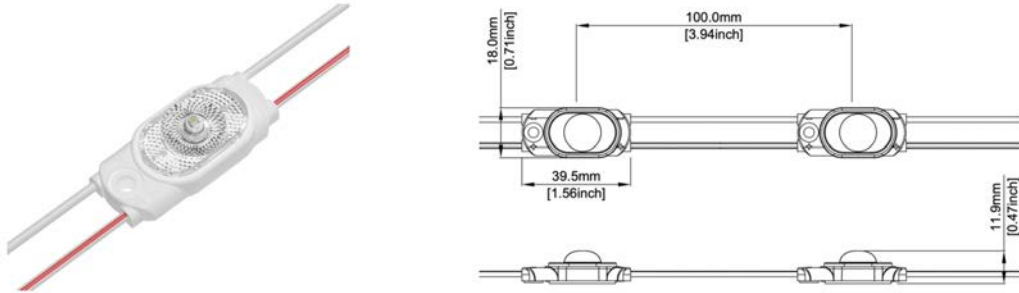
Specification

ADM Part No.	Dimension	Colour*	Voltage	Power**	Brightness**	Max Module Cascade	IP	Beam Angle	Application Depth
LM-LUNA-P1-12V-65K	L39.5 x W18.0 x D11.9 mm	6500K (1 LED)	12Vdc	0.36W / Module	65 lm/module	60 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P1-12V-30K	L39.5 x W18.0 x D11.9 mm	3000K (1 LED)	12Vdc	0.36W / Module	65 lm/module	60 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P2-12V-30K	L60.5 x W18.0 x D11.9 mm	3000K (2 LEDs)	12Vdc	0.72W / Module	130 lm/module	40 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P3-12V-30K	L80.5 x W18.0 x D11.9 mm	3000K (3 LEDs)	12Vdc	1.08W / Module	194 lm/module	30 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P4-12V-30K	L90.4 x W18.0 x D11.9 mm	3000K (4 LEDs)	12Vdc	1.44W / Module	259 lm/module	20 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P2-24V-65K	L60.5 x W18.0 x D11.9 mm	6500K (2 LEDs)	24Vdc	0.72W / Module	130 lm/module	100 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P3-24V-65K	L80.5 x W18.0 x D11.9 mm	6500K (3 LEDs)	24Vdc	1.08W / Module	194 lm/module	60 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-P4-24V-65K	L90.4 x W18.0 x D11.9 mm	6500K (4 LEDs)	24Vdc	1.44W / Module	259 lm/module	60 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-A2-24V-65K	L60.5 x W18.0 x D11.9 mm (Anti-sulfurization)	6500K (2 LEDs)	24Vdc	0.72W / Module	130 lm/module	100 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-A3-24V-65K	L80.5 x W18.0 x D11.9 mm (Anti-sulfurization)	6500K (3 LEDs)	24Vdc	1.08W / Module	194 lm/module	60 modules / chain	IP67	175°	40mm to 250mm
LM-LUNA-A4-24V-65K	L90.4 x W18.0 x D11.9 mm (Anti-sulfurization)	6500K (4 LEDs)	24Vdc	1.44W / Module	259 lm/module	60 modules / chain	IP67	175°	40mm to 250mm

*Special Order available in 4000K, 5000K, 6000K or IP68 rating

** Standard tolerance of $\pm 10\%$ apply to Power and Brightness

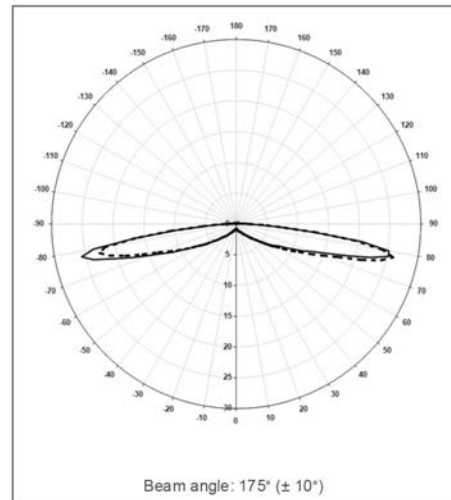
Product Dimension



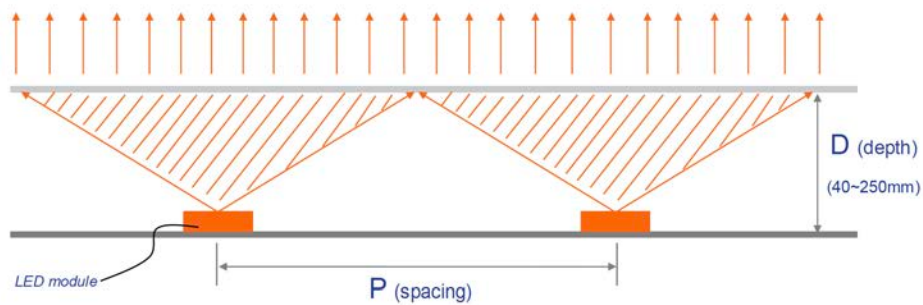
Spectroscopic Data

Operating Environment (t _a)	-25°C to +60°C
Storage Temperature Range (t _s)	-40°C to +85°C
IP Rating	IP67
Lifetime Warranty (L70B50)	5 years
t _c temperature	80°C
Energy Efficacy Class (180 LPW)	C (η _{TM} = 167lm/W)
	
Dimming mode	PWM dimmable
Cutting Solution	Cut on wire between every module
Certification	UL, CE, BIS
Safety Requirements	IEC/EN 62031, IEC/EN 60598-1, IEC/EN 61347-1

Distribution Graph



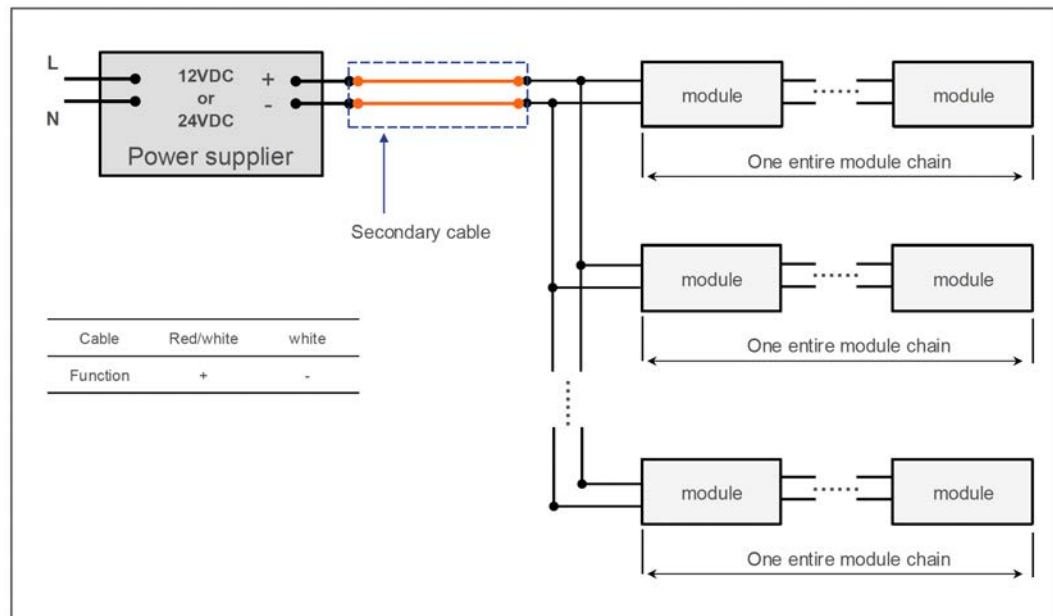
Coverage



$$\text{optical performance proportion} = \frac{D(\text{depth})}{P(\text{spacing})} = 1:3$$

- The proportion of "P" and "D" can show the performance of lens optics design.
- The bigger proportion, the wider light spot.
- The proportion is for reference from lab, actual layout need based on real application.

Wiring Diagram



Additional Information

1. Installation of LED modules and power supplies must comply with all applicable regulations and standards.
2. Only qualified electricians are permitted to perform the installation.
3. LED modules must be connected in parallel for safe electrical operation. Serial connections are not recommended, as unbalanced voltage drops may lead to hazardous overloading.
4. Electrical connection should be made using the contact cables or terminals provided on the module. Refer to the technical specifications for the maximum number of modules that can be operated with a single power supply.
5. To prevent mechanical damage, LED modules must be securely mounted to the intended surface. Avoid exposure to heavy vibration.
6. LED modules are dimmable via PWM (pulse width modulation).

Document Revision

Revision	Description	Date	Author
1.0	Initial release	6 August 2025	Michael Xu