

HM03

High Mast Roadway and Area Lighting

HM03 is specially developed for new and reformed high masts, we can provide a whole lighting solution for the simplest and most complex illumination applications. Such as port container facilities, highways and interchanges, rail yards, correctional facilities, large area industrial, military installations, airports, truck stops, toll plazas.



RoHS



Glass and Lens Options

HM03 series high mast lamp power from 450W-1000W (4/6/7 module luminous), luminous efficacy up to 155lm/W. To meet the requirements of different lighting environments and sites to support the glass and PC lens optional solutions.



PC



Glass

Driver Maintenance Efficiency

The operating driver adopts a modular design with flip-top structure, which greatly improves the cost of luminaire installation and maintenance time. It is assembled with two screws and buckles for fixing the luminaire and can be opened within 110 degrees.



Best Light Control

Prismatic glass optics provide high application efficiency, uniformity, and glare control.



1:1 Replacement 2000W HPS

Lumen packages ranging from 69,750 to 140,000 provide one-for-one replacement of up to 2000 watt HPS.



ENERGY SAVINGS	
Energy Savings	60%
Maintenance Savings	60%
Service Life	>100,000Hours



Fit for round Pole within 42-60mm.

Reliability and Long Lifespan

Long system life with driver life exceeding 100,000 hours and LED life of L82 @100,000 hours minimize maintenance costs. Robust mechanical design with IP66 optics, 3G vibration rating, 4-bolt mounting, and a polyester paint finish with a 1,000-hour salt fog rating ensures system reliability.

Roi-Oriented

Robust extreme surge protection rating of 20KA/ 10KA. Control options include 0-10V dimming, 7-Pin photocontrol, ROAMTM enabled Field-adjustable output allows for zone control, accelerating your return on investment



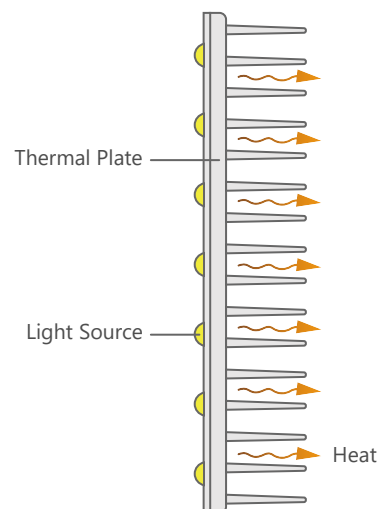
For Roadway Lighting

The luminaire has multiple roadway lighting distributions designed to maximize spacing while meeting stringent requirements of IES RP8 guidelines for average, uniformity, and veiling luminance. Installation costs are minimized with this direct retrofit luminaire without rewiring or changing existing luminaire arms. Asymmetric distributions are easily aimed toward the roadway with the rotatable optical assembly.



Ventilation Convection Housing

The luminaire uses a die-casting heat sink to convect/ conduce heat, quickly dissipate heat, and extend the life of the LED lamp.

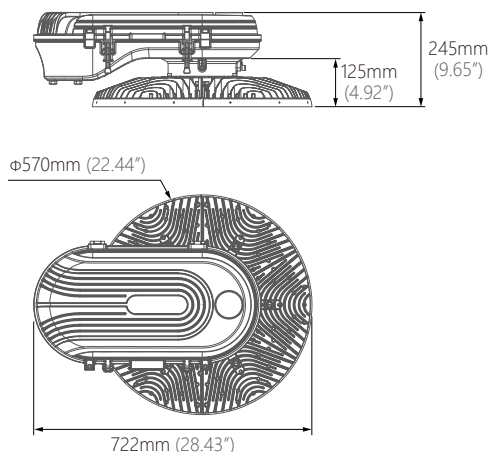




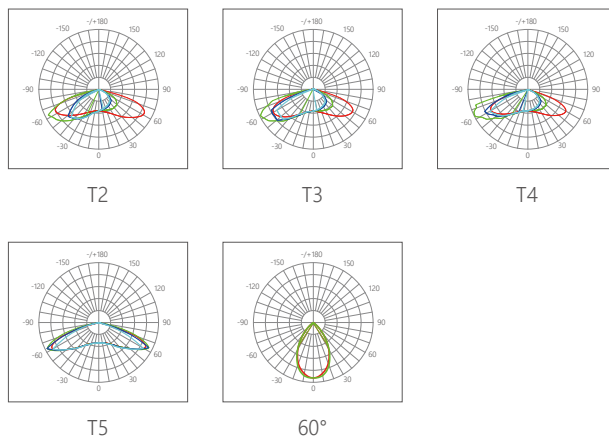
Parameters

Model No.	HD-HM03-450W 4-module luminous	HD-HM03-600W 4-module luminous	HD-HM03-750W 6-module luminous	HD-HM03-900W 6-module luminous	HD-HM03-1000W 7-module luminous
Wattage	450W	600W	750W	900W	1000W
Light Efficiency (@5700K) (±5%)	155Lm/W	145Lm/W	150Lm/W	140Lm/W	140Lm/W
Lumen Flux (@5700K) (±5%)	69,750Lm	87,000Lm	112,500Lm	126,000Lm	140,000Lm
CCT	3000K / 4000K / 5000K / 5700K				
Beam Angle	T2 / T3 / T4 / T5/ 60°				
CRI	70				
SDCM	<5				
Input Voltage	AC100-277V / AC200-480V				
Power Factor	0.9				
THD	<20%				
Percent Flicker (%)	<1%				
Surge Protection	10KV / 20KV Optional				
Protection Against Electric	Class I				
IP	IP66 Water-proof (<i>Wet location</i>)				
IK	IK08				
EPA	3.877 ft ²				
Operating Temp Range	-40°C ~ +50°C @Outdoor / (-40°F ~ +122°F @Outdoor)				
Intelligent Control	0-10V Dimming, DALI				
Lifetime	100,000H (L70B50 @25°C) / 100,000H (L70B50 @77°F)				
Net Weight (kg/ lbs)	22.5 kg±0.5 / 49.6 lbs±1.1				
Dimension (mm/ in)	722x 570x 245mm / 28.43x 22.44x 9.65in				
Packing Dimension (mm/ in)	880x 665x 350mm / 34.6x 26.19x 13.78in				
Warranty	5 Years				
Certificate	UL / CUL / CE / ENEC / RoHS				
Specification	LED: Lumileds Driver: Inventronics, Moso				
Material	Structure: Die-casting/ High Thermal Conductivity AL Finish: Powder Coated Lens: Polycarbonate/ Glass Color: Gray				

Dimension (mm/ in)



Photometric Diagrams



Applications

Outdoor / Indoor / Industrial

- Sports & Recreational fields
- Large-scale outdoor events
- Industrial and Construction sites
- Parking lots and Garages
- Crane lighting
- Security and Outdoor surveillance



Sports Complex



Football Pitch



Industrial & Construction Sites



Parking Lot



Port Lighting



Airport