



HELOS HM Series

LED High Mast Lighting System

...designed for maximum performance and reliability required in the most challenging high-mast lighting applications



IP67-rated parts & assembly
Type II/III or 10°-131° beam angles
UV-rated UL94-5VA PC Optics

6XXX heat-treated aluminum and high flame-retardant plastic body

SLD-HM

With 77,000 delivered lumens and a wide variety of beam angles, the fixture is capable of meeting all of your lighting needs.

The SLD-HM fixtures is designed for maximum performance and reliability required in the most challenging high-mast lighting applications. Utilizing only top-of-the-line components for the LED engine, these fixtures will deliver a quality of light that is exceptional in terms of consistency and intensity. With 77,000 delivered lumens and a wide variety of beam angles, the fixture is capable of meeting all of your lighting needs. Most importantly, with its dual heat sink design, these fixtures are over engineered to provide the greatest reliability in even the most extreme environments. Lumingen's fixtures are also backed by our world class technical support helping you rest easy with your lighting needs.

Performance Summary

Light Output:	61,320—77,160 lm
L90 TM-21-11:	>145,000 hrs (150,000 hrs)
L70 TM-21-11:	>145,000 hrs (457,000 hrs)
CRI Availability:	70-90
CCT Availability:	2700-6500 K
Voltage Compatibility:	120-277/347/480 Vac
Standard Warranty:	5 years

Applications:

- Dry/Damp/Wet Location Installation
- Sports Facility
- Interstate Roadway
- Ports & Rail Yards
- Construction
- Mining
- Industrial



Configurations:

- 0/1-10V Dimming
- Photocell
- Internal or External Surge Protection
- Yoke-mount
- Pole-mount
- Pendant Suspension
- Cable Suspension

SLD-HM High Mast Series

SLD-HM-XXXX Specifications

Listing: CSA US-Canada Certified for Wet Locations. DLC QPL Listed. BC Hydro e.Catalog Listed.

LED: Industry-leading Cree ceramic LEDs. Developed for superior lumen and thermal reliability, high light intensity, and easy optical control in a compact chip size.

Optics: Clear impact-resistant polycarbonate (PC) lens. Surface-mounted optics for precise light control, high optical efficiency. 120° standard FWHM (no additional optics)
Optical Variations: 10°, 25°, 66°, 90°, 131°, Type II, Type III

Available CRI: 70, 80, 90

Colour Temperature (CCT): 2700-6500 K

Operating Temperature: -40°C to +55°C

Standard Warranty: 5 years

Reported (and Projected) TM-21-11 LED Lumen Maintenance:

L90 (90% light output) > 145,000 hours (Projected 150,000 hours)
L70 (70% light output) > 145,000 hours (Projected 457,000 hours)

Input Voltage: 120-277/347/480 VAC (50/60 Hz)

Construction: High-quality aluminum extrusion parts with powder coating finish for corrosion and harsh environment protection. ABS UL94-V0 end cap housing parts. IP67 LED engine utilizes an robust extruded aluminum heatsink with PC lens cover.

Standard Dimensions: 70 cm x45 cm x16 cm [28"x18"x7"]

Standard Weight: 20 kg [43 lb.]

Installation: Surface/Pendant mounting utilizing a standard yoke-style bracket. Pole mounting for 60 mm (2.375 in) slip-fit poles. Suspension installation using a supplied galvanized aircraft cable kit.

Available Features: 0/1-10V dimming, integrated photocell/receptacle options, additional surge protection.

Specifications Table

Base Model	Lumen (lm)	Power (W)	Efficiency (lm/W)
SLD-HM-0400	61,320	413	148.5
SLD-HM-0560	77,160	563	137.1

EPA Ratings

Direction	0° from Horizontal	45° from Horizontal	90° from Horizontal
Frontal	0.111 m ² (1.20 ft ²)	0.319 m ² (3.43 ft ²)	0.524 m ² (5.64 ft ²)
Lateral	0.053 m ² (0.57 ft ²)	0.102 m ² (1.10 ft ²)	0.170 m ² (1.83 ft ²)

Ordering Code (e.g., SLD-HM-0560-277-4K0-70-010-WL-CL-00-P-S2)

LAMP-SERIES CODE	POWER RATING	AC INPUT VOLT-AGE	COLOUR TEMPERATURE	CRI	BEAM ANGLE ^A	INSTALL METHOD	DIFFUSER	[NULL]	ACCESSORIES ^B
SLD-HM	0560	277	4K0	70	010	WL	CL	00	P - S2
SLD-HM	0400 (413W)	277 (120-277V)	2K7 (2700K)	70	010 (10°)	WL (Wall Mount)	CL	00	D (0/1-10V Dimming)
	0560 (563W)	347 (347V)	4K0 (4000K)	80	025 (25°)	SF (Surface Mount)			P (Photocell)
		480 (480V)	5K0 (5000K)	90	060 (60°)	PL (Pole Mount)			S1 (External 10kA Surge Protection)
			6K5 (6500K)		090 (90°)	SP (Suspension Mount)			S2 (Internal 20kA Surge Protection)
					120 (120°)	PD (Pendant Mount)			
					130 (131°)				
					0T2 (Type II)				
					0T3 (Type III)				

ADDITIONAL NOTES:

^A **BEAM ANGLE:** FHWM beam angles. For Type II and Type III specific distribution, visit www.lumingen.com to download the IES file.

^B **ACCESSORIES:** Related to Surge Protection. All LED fixtures are susceptible to voltage spikes. Surge protection is highly recommended for industrial and manufacturing applications

