



HELOS High Mast Series

LED High Output Lighting System



The SLD-HM fixtures from Lumingen is designed for maximum performance and reliability required in the most challenging high-mast lighting projects. 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 65,000 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.

Applications:

- Sports Facilities
- Construction
- Interstate Roadway
- Mining
- Ports & Rail Yards
- Industrial



Lumingen Technologies, Ltd.

Specs subject to change without notice. January 7, 2020

HELOS High Mast Series

SLD-HM-XXXX Specifications

Listing: CSA US-Canada Certified - Suitable for Wet/Damp Locations. IP65 water and dust protection. DLC QPL Listed. e.Catalog Listed.

LED: Industry-leading Cree high-density LEDs using a ceramic base, which yields superior optical traits (>99% reflectivity) and high light intensity, superior heat dissipation, high temperature reliability, and low sensitivity to moisture.

Optics: Clear impact-resistant PC lens. Surface-mounted LED optics for precise light distribution with minimal glare and high efficiency. Optional Beam Angles: 10°, 25°, 60°, 90°, 120°, 131°
Optional Beam Types: Type 2; Type 3

Available CRI: 70, 80, 90

Colour Temperature (CCT): 2700-6500 K

LM80 Projected 90% LED chip lumen maintenance >416,000 hours

LM80 Projected 70% LED chip lumen maintenance >500,000 hours

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

Operating Temperature: -40°C to 55°C

Optional Feature: 0/1-10V dimming, integrated photocell/receptacle, surge protection, wireless control system.

Warranty: 5 years

Construction: High-quality aluminum extrusion body and heat sink core with IP65 rating. Exterior finished with black powder coat for additional corrosion protection and cosmetics. ABS end cap with minimum UL94-V0 rating.

Standard Dimensions: 70 cm × 45 cm × 16 cm (28 in × 18 in × 7 in)

Standard Weight: 20 kg (43 lb.)

Installation: Bracket-mounted installation: Ceiling, Wall, Pole Mount, Suspension

EPA Rating:

Orientation	Frontal	Lateral
0° from Horizontal	1.20	0.57
45° from Horizontal	3.43	1.10
90° from Horizontal	5.64	1.83

Model No.	Delivered Light (lm)	Wattage (W)	Efficiency (lm/W)
SLD-HM-0400	46,400	400	116
SLD-HM-0560	65,000	562	116

Ordering Code

LAMP TYPE	SERIES CODE	POWER RATING	AC INPUT VOLTAGE	CCT	CRI	OPTICS* (degrees)	INSTALL METHOD	LENS	[NULL]	OPTIONS*
SLD	HM	0560	277	4K0	70	010	WL	CL	00	P-C
SLD	HM (High Mast)	0400 (400W) 0560 (562W)	277 (120~277V) 347 (347V) 480 (480V)	3K0 (3000K) 4K0 (4000K) 5K0 (5000K)	70 80 90	010 (10°) 030 (25°) 060 (66°) 090 (90°) 120 (120°) 130 (131°) 0T2 (Type 2) 0T3 (Type 3)	SF (Surface) PL (Pole) SP (Suspension)	CL (Clean)	00	P (Photocell) D (0/1-10VDC Dimming) C (Wireless Control) S (Surge Protection) X (None)

*NOTES:

OPTICS:

Glare-reduction for beam angles of 131° optics only.

ELECTRICAL SURGE:

All LED fixtures are susceptible to voltage spikes. Surge protection is highly recommended for exterior, industrial, and manufacturing applications

