

HMT Series High Mast Tower

HIGH MAST LIGHTING

100-277V

**LM79
LM80**

IP66



PROJECT INFORMATION

Project Name _____

Catalog No. _____ Date _____

DESCRIPTION

The HMT-Series are the lightest by weight, passively cooled High Mast light fixtures in the market with a system efficacy of more than 150 lm/Watt within its full operating range of -55°C to +60°C. Because they are passively cooled, which means no fans or other mechanical parts are involved in the cooling process, there is nothing that can fail. The HMT Series of ActiveLED® High-Mast Tower Light for illuminating Parking Lots, Pedestrian Areas, Property Perimeters and Overpasses on High-Mast Towers of 100' to 150' in height. The HMT Series Fixtures provide crisp bright lighting to replace legacy bulb-technology MH and HPS luminaires.

Applications include: Parking Lots, Building and Property Perimeters, Overpasses.



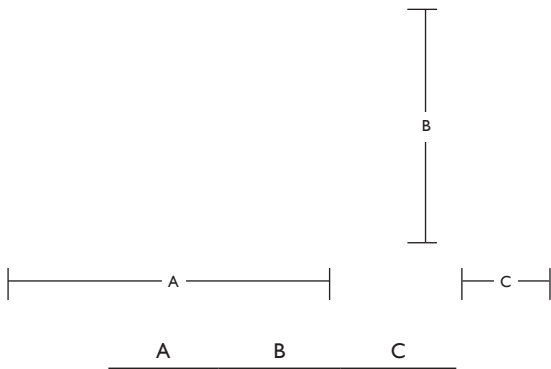
HMT Series 60/80 Watt



HMT Series 120/160 Watt

HMT Series High Mast Tower

DIMENSIONS



FEATURES

- Sealed and guaranteed for 10 years for up and down shining applications in wet environments.
- Choice of 45° and 60° beam angles with sharp cutoff to reduce glare and light pollution
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- LUM-INTENSE™ - LED lighting luminaire technology that combines recent advancements in LED Modules, Drivers and Optics to deliver more Lumens per Watt in a smaller package.
- Separate Driver / Electronics may be installed with the unit on top of the mast or remotely at the base of the Mast / Tower for ease and convenience of maintenance
- Warranty - 10 Year Warranty on LED elements, fixture housing, and LED Driver.

MOUNTING OPTIONS



Knuckle Tenon End
Part # 00-27-0002-0003B



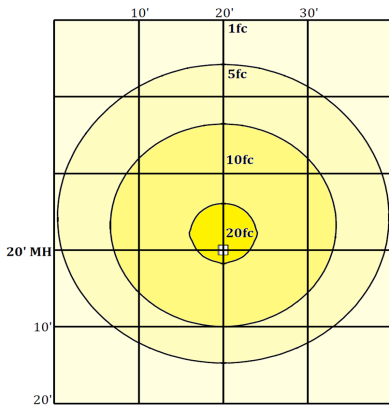
LIGHT OUTPUT	WATTS	LUMENS per WATT	LIGHT COLOR (CCT)
26,000 Photopic			
52,000 Scotopic	173W	150 lm/W	5000 K

NOTE: Lighting Facts shown for HMT9, 160W only.
For more Lighting Facts, visit lightingfacts.com for the Label and Label Reference Guide.

ActiveLED®
Energy Efficient Lighting and Controls



PHOTOMETRICS



PERFORMANCE DATA

AMBIENT TEMPERATURES	0 HOURS	45,000 HOURS	90,000 HOURS
77°F (25°C)	1.00	0.99	0.99
104°F (40°C)	1.00	0.98	0.96
131°F (55°C)	1.00	0.96	0.92
140°F (60°C)	1.00	0.95	0.90

Projected Lumen Maintenance (TM-21)

NOTE: Calculated using data collected according to LM-80 lumen maintenance on the LED package.

NOTE: Photometrics shown for HMT9, I60W only. Contact company for photometrics on other sizes.

GENERAL SPECIFICATIONS

Input Voltage	Auto-sensing, 100-277 Volts AC, 50/60 Hz 300 - 480V optional. Digital Power Source, dedicated circuit strongly recommended	Lumen Lifetime	L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)
Input Power	60, 80, 120, 160 LED Watts 66, 87, 130, 173 Input Watts	LED Optics	IP68 rated, thermally bonded LEDs, borosilicate glass lens w/silicone sealing. Patented thermal management mounting system
Power Factor	> 0.90 (at ~100-277 Volts)	CCT	2700K, 3000K, 3500K, 4000K, or 5000K
THD	Total Harmonic Distortion (THD) <20% (typical 9.9%)	Housing	Aluminum for enclosure and heat sinking parts, stainless steel hardware
Driver	Integrated driver with integral heat sink	Finish	Powder coated after fabrication
Operating Temperature	-58° F to 149° F (-50° C to 65° C)	Dimensions	16.24" Height, 6.41" Wide and 22.24" Length (41.24cm x 16.28cm x 56.48cm)
		Weight	19 pounds (8.61kg)

WARRANTY

Ten (10) Year Warranty - LEDs, Fixture, and Driver shall conform to its published specifications under normal usage and operating conditions including "no light loss" of more than 10% at the end of the period. LEDs will produce at least 90% of their initial light output with no color shift after 90,000 hours of operation.

LISTINGS AND TESTS

UL listed driver, CE, suitable for wet locations. RoHS compliant. IP68 Rated optical assembly. LM-79 and LM-80 info available. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

ORDERING INFORMATION

Example: HMT9-SP-4F50R160BZ

Style	Voltage	Mount	Optics	Diffuser	CCT	Watts	Color
HMT HMT Series High Mast Tower	9 100-277 VAC, 50/60 Hz. Digital Dimming	4K Knuckle Tenon End	4 45° Pattern	F Clear Low Fe Glass (Over the LED only)	50 5,000K	R60 66W Max, 10,000 Lumens	SL Silver
	480V Digital Dimming	GP 3" Ring Clamp	6 60° Pattern		40 4,000K	R80 87W Max, 13,000 Lumens	BK Black
		BT Left/Right Bolt Mount			35 3,500K	R120 130W Max, 19,500 Lumens	BR Brown
					30 3,000K	R160 173W Max, 26,000 Lumens	BZ Bronze
					27 2,700K		CG Charcoal
							WH White
							X Custom