

DESCRIPTION

Watt-Man's High Mast Flood Lighting is designed to be low-profile, lightweight, and reliable. Wide wattage options of 300, 400, 500, 600, 750, 950, and 1200 are available, with high efficacy of +110 LM/W. Paired with the efficacy, a high CRI and TLCI is available to meet HD TV broadcasting requirements. These fixtures can be specified for a variety of beam angles, from 20 Degree up to 120 Degree, while also offering Type III and 60/120 Degree beam configurations.

The concise and elegant aluminum housing offers excellent thermal management, using a unique pin heatsink versus the standard fin heatsink. Remote drivers are available for high heat environment applications.

Widely used for stadiums, tennis facilities, tracks, horse arenas, and large recreation fields. Also, for airports, shipping terminals, prison yards, and highway intersections.

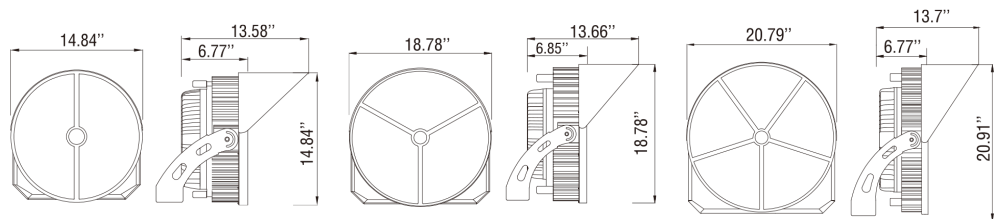
CERTIFICATION

- UL
- LM79/LM80

FEATURES

- High efficacy of +110 lumens per watt
- Wattage options: 300/400/500/600/750/950/1200, up to 140,900 LM.
- Unique optical lens allows for a variety of beam angle options: 20°, 30°, 40°, 60°, 90°, 120°, 60°+120°, Type III, Type V
- Elegant form factor
- Optimized thermal design, with unique pin heatsink guarantees sufficient heat dissipation
- High purity aluminum (A1080) die-cast housing brings higher thermal conductivity
- Mountings: horizontal, vertical, and ceiling mount
- High protection level rating of IP67
- Low profile and unique heatsink reduce wind load, allowing for Anti 17-Level Wind Rating
- High Vibration Resistance: Meets ANSI C136.31-2001 3G bridge and overpass vibration standards
- Standard 20kV surge protection device; optional 40kV surge protector available.
- More options: Remote Driver, dimmable, photocell, surge protector, 347-480V

DIMENSIONS



* This product, or selected versions of this product, meet the standards listed below.



7
Year
Warranty

Specifications

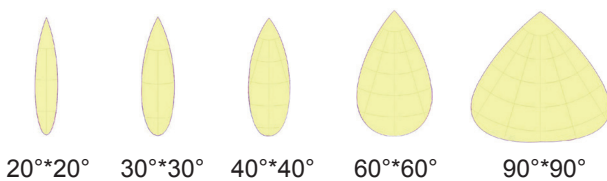
Model No.	HM300vccfdLoo	HM400vccfdLoo	HM500vccfdLoo	HM600vccfdLoo	HM750vccfdLoo	HM950vccfdLoo	HM1200vccfdLoo
Power	300W	400W	500W	600W	750W	950W	1200W
Luminous Flux	39,400 lm	51,800 lm	59,200 lm	81,700 lm	87,500 lm	116,800 lm	140,900 lm
Input Voltage	100-277V/347-480V	100-277V/347-480V	100-277V/347-480V	100-277V/347-480V	100-277V/347-480V	100-277V/347-480V	100-277V/347-480V
Gross Weight	30.2 lbs	30.9 lbs	31.1 lbs	42.8 lbs	43 lbs	59.5 lbs	61.7 lbs
Power Factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
CRI	>70Ra or >90Ra	>70Ra or >90Ra	>70Ra or >90Ra	>70Ra or >90Ra	>70Ra or >90Ra	>70Ra or >90Ra	>70Ra or >90Ra
Driver Brand	Meanwell						
Light Distribution	20°, 30°, 40°, 60°, 90°, 120°, 60° * 120°, Type III, Type V						
Color Temp.	3000K/4000K/5000K/57000K/6500K						
Dimming Options	0-10V Dimming available						
Zigbee Control	App Controlled Option available						
Photocontrol	Twist-lock photocell available						
SPD	20kV Surge Protection Device (40kV option available)						
IP Rating	IP67						
Operating Temp.	-40°F - 104°F						
Lifespan	> 100,000 (L70 @ 77°F)						
Warrenty	7 Year Warranty for 100-277V / 5 Year Warranty for 347-480V						
Certificates	UL						

Ordering Information

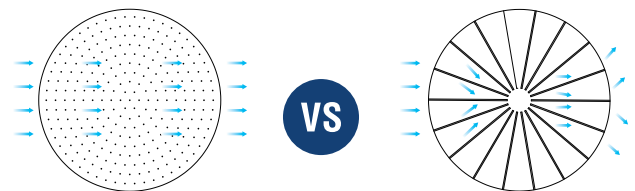
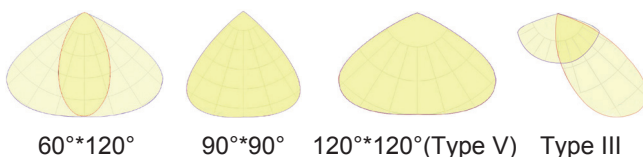
Example: **HM500L50B61DZ**

Product Series	Wattage	Voltage	CCT	Finish	Distribution	LED brand	Options
HM = High Mast, High Output Fixture	300 = 300W 400 = 400W 500 = 500W 600 = 600W 750 = 750W 950 = 950W 1200 = 1200W	L = 100-277V H=347-480V	30 = 3000K 40 = 4000K 50 = 5000K 57 = 5700K 65 = 6500K	B = Bronze W = White BK = Black	2 = 20° 3 = 30° 4 = 40° 6 = 60° 9 = 90° 12 = 120° 6R = 60° * 120° T3 = Type II T5 = Type V	4 = Philips Brand 5 = CREE Brand	D = 0 - 10V Dimming Z = Zigbee Control P = Photocell (Blank) = None

Sports Lighting Applications:



High Mast Flood Applications:



Our Pin Heatsink

Typical Radiant-fin Heatsink

Utilizes incoming air from any direction to dissipate heat quickly, optimizing thermal management

Traps incoming air, for less efficient thermal management