



LED HIGH MAST LIGHT INM SERIES



www.solarmaxled.com
led@solarmaxtech.com
T: 951-300-0788 ■ F: 909-595-7388
3080 12th St., Riverside, CA 92507

© SolarMax LED, Inc. 2022. All rights reserved.
Spec Sheet is subject to change without notice.
Rev. date: 2024-01-15

Project Name:

Project Number:

Note:

Date:

LED HIGH MAST LIGHTING

Project Name:

230WINM - 720WINM

850W - 2000W HPS EQUIVALENT

Date:

Project Number:

Note:

Features

APPLICATION

Freeway, Expressway
Container Yard, Sea Port,
Transit Terminal, Stadium Parking Lot

CONSTRUCTION

Die-cast aluminum alloy
Corrosion resistant polyester powder coating ≥ 3 mil thickness
Hinged access door
Terminal block for Class 1 connections (6AWG-14AWG)
Bubble level included
Mounts to 2" nominal (2-3/8" OD) arm
ANSI C136.31 3G vibration compliant
Operation temperature -40°C to +50°C

OPTICS

IESNA Type II, III, V
Efficacy up to 170 lm/W
CCT 3000K, 4000K, 5000K
CRI 70 minimum
No uplight, U=0 per IESNA TM-15
IP-66 rated LED module
Photometric performance is tested per IESNA LM79, LM-63
LED light engine, L80 > 100,000 hours @ 25°C ambient per LM80
360° rotatable optic assembly

ELECTRICAL

Input Voltage 100-277V or 277-480V
20KV surge protection device
0-10V dimmable
IP-66 rated LED driver
Power Factor > 0.9
Total Harmonic Distortion (THD) < 15%
LED driver expected life > 100,000 hours @ 25°C ambient

WARRANTY

Standard 7-year warranty
Optional 10-year warranty

CERTIFICATION

UL 1598, suitable for wet location
ISO 9001

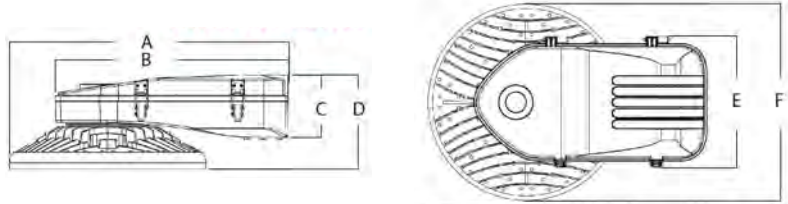


230-420W



460-720W

Product Dimensions



	230W - 420W	460W - 720W
A	26"	27.6"
B	21.7"	21.7"
C	5.8"	5.8"
D	8.8"	8.5"
E	12.3"	12.3"
F	18.3"	21.6"
Packaging	29" * 21" * 12"	31" * 25" * 12"
Net Weight	44 lbs	52 lbs
Gross Weight	48 lbs	55 lbs
EPA	0.96 ft ²	1.04 ft ²



www.solarmaxled.com
led@solarmaxtech.com
T: 951-300-0788 ■ F: 909-595-7388
3080 12th St., Riverside, CA 92507

LED HIGH MAST LIGHTING

Project Name:

230WINM - 720WINM

850W - 2000W HPS EQUIVALENT

Date:

Project Number:

Note:

Ordering Information

EXAMPLE: 230WINM-NV-L5-00-3070-T203-SG-90S



Model	Voltage	LED Chips	Control
230WINM 230W 315WINM 315W 380WINM 380W 420WINM 420W 460WINM 460W 580WINM 580W 720WINM 720W	NV 100-277V HV 277-480V	Y22 T2 and T3 Distributions L5 T5 Distribution	00 No Receptacle P7SC 7-pin Receptacle with Shorting Cap P7PH 7-pin Receptacle with Photocell

CCT & CRI	Distribution	Finish	Option
3070 3000K 70 CRI 4070 4000K 70 CRI 5070 5000K 70 CRI	T203 Type II Y22 LED only T303 Type III Y22 LED only T502 Type V L5 LED only	SG Silver Grey BK Black BZ Bronze X Custom	90S 90° Shield 120S 120° Shield 180S 180° Shield SF Single Fusing DF Double Fusing FA Field Adjustment L NEMA Label 10 10-year Warranty

Technical Specifications

NV, 120-277V

	Model	Watts	Lumen Output					
			3000K		4000K		5000K	
			T2/T3	T5	T2/T3	T5	T2/T3	T5
SIZE 1	230WINM	230W	33,120	35,650	35,650	38,410	35,190	37,950
	315WINM	315W	44,100	47,250	47,250	50,715	46,620	50,085
	380WINM	380W	51,300	55,860	55,100	59,660	54,340	59,280
	420WINM	420W	54,600	61,320	58,800	65,520	57,960	64,680
SIZE 2	460WINM	460W	64,400	69,460	69,460	74,980	68,540	74,060
	580WINM	580W	77,720	85,260	83,520	92,220	82,360	91,640
	720WINM	720W	90,720	104,400	97,200	112,320	95,760	110,880

HV, 277-480V

	Model	Watts	Lumen Output					
			3000K		4000K		5000K	
			T2/T3	T5	T2/T3	T5	T2/T3	T5
SIZE 1	230WINM	230W	34,040	36,800	36,570	39,560	36,110	39,100
	315WINM	315W	45,360	48,825	48,510	52,290	47,880	51,660
	380WINM	380W	52,820	57,760	56,620	61,560	55,860	61,180
	420WINM	420W	56,280	63,420	60,480	67,620	59,640	66,780
SIZE 2	460WINM	460W	66,240	71,760	71,300	77,280	70,380	76,360
	580WINM	580W	80,040	88,160	85,840	95,120	84,680	94,540
	720WINM	720W	93,600	108,000	100,080	115,920	98,640	114,480