



LED HIGH MAST LIGHT

INM SERIES



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Spec Sheet is subject to change without notice.
Rev. date: 2025-08-27

Project Name:

Project Number:

Note:

Date:

LED HIGH MAST LIGHTING

230WINM - 720WINM

850W - 2000W HPS EQUIVALENT

Project Name:

Date:

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Note:

Features

APPLICATION

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

CONSTRUCTION

Die-cast aluminum housing ASTM A383
Corrosion resistant polyester powder coating ≥ 3 mil thickness
1000 hours salt spray fog exposure per ASTM B117; corrosion resistance performance test per ASTM D1654
Hinged, removeable access door
Terminal block for Class 1 connections (6AWG-14AWG)
Bubble level included
4-bolt slipfitter with $\pm 5^\circ$ of adjustment
Mounts to 1-1/2" (1-2/3" O.D.) to 2" (2-3/8" O.D.) arm
ANSI C136.31 3G vibration compliant
Operation temperature -40°C to $+50^\circ\text{C}$ (-40°F to 122°F)

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
Light shield options available

ELECTRICAL

Input Voltage 120-277V or 277-480V
20KV surge protection device
0-10V dimmable
IP-66 rated LED driver
Power Factor > 0.9
Total Harmonic Distortion (THD) < 20%
LED driver expected life > 100,000 hours @ 25°C ambient

WARRANTY

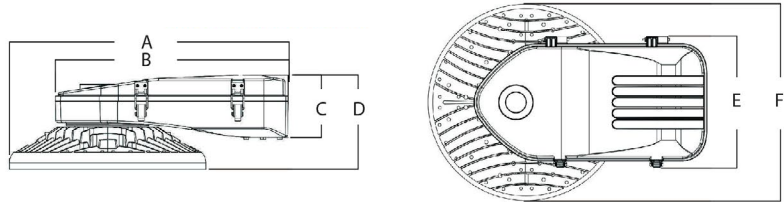
Standard 7-year warranty
Optional 10-year warranty

CERTIFICATIONS

ANSI C136.10, C136.15, C136.22, C136.25, C136.31, C136.37, C136.41, C78.377, C82.77
UL 1598, suitable for wet location
ISO 9001



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



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Ordering Information

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

____ WINM - ____ - ____ - ____ - ____ - ____ - ____ - ____

A
B
C
D
E
F
G
H

A	B	C	D
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

E	F	G	H
CCT & CRI	Distribution	Finish	Option
3070 3000K 70 CRI 4070 4000K 70 CRI 5070 5000K 70 CRI	T203 Type II Y22 LED 230W-420W only T303 Type III Y22 LED T502 Type V L5 LED	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 CUL Custom Label 10 10-year Warranty



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Technical Specifications

NV, 120-277V

Model	Watts	Lumen Output								
		3000K			4000K			5000K		
		T2	T3	T5	T2	T3	T5	T2	T3	T5
230WINM	230W	33,791	30,590	35,842	36,412	32,200	38,331	36,769	32,200	38,798
315WINM	315W	46,148	40,399	48,056	47,689	42,525	51,315	46,924	42,525	50,408
380WINM	380W	52,364	46,930	56,622	54,682	49,400	59,694	54,175	49,400	59,436
420WINM	420W	56,908	51,870	61,799	59,477	54,600	65,336	58,539	54,600	64,424
460WINM	460W	-	61,180	76,475	-	64,400	80,500	-	64,400	80,500
580WINM	580W	-	74,385	93,670	-	78,300	98,600	-	78,300	98,600
720WINM	720W	-	88,920	112,860	-	93,600	118,800	-	93,600	118,800

HV, 277-480V

Model	Watts	Lumen Output								
		3000K			4000K			5000K		
		T2	T3	T5	T2	T3	T5	T2	T3	T5
230WINM	230W	34,512	30,590	36,225	37,816	32,200	38,682	37,355	32,200	38,788
315WINM	315W	45,775	40,399	48,849	47,038	42,525	51,985	47,520	42,525	51,484
380WINM	380W	53,920	46,930	57,774	56,143	49,400	61,901	56,115	49,400	60,920
420WINM	420W	57,216	51,870	61,554	60,541	54,600	65,348	60,262	54,600	65,400
460WINM	460W	-	61,180	73,449	-	64,400	80,235	-	64,400	79,835
580WINM	580W	-	74,385	91,122	-	78,300	99,541	-	78,300	99,046
720WINM	720W	-	88,920	110,879	-	93,600	121,124	-	93,600	120,521

