

VMF-1-TS LED Specifications

Wildlife Certified

Area - Site - Commercial - Outdoor - Floodlight



The new VMF LED Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate cast aluminum housings. Sturdy Knuckle or Trunnion mount options.

The LED light assemblies come with 48 to 96 LED's. Our Turtle Safe and Wildlife Certified LEDs operates at 590nm. Four optical distribution patterns are available.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The VMF Series offers an impressive output of up to 11,000 lumens with a wattage package reaching up to 152 watts, delivering an average efficiency of 76 lumens per watt. With integrated controls, the VMF ensures optimal lighting coverage while minimizing energy consumption.

The VMF LED series is an exceptional choice for building lighting, sign lighting, and other flood lighting applications.

Project Name:

Catalog Number:

Type:

Date:

Location:

The Wildlife Lighting Program was developed by the Department of the Interior's U.S. Fish and Wildlife Service and the Florida Fish and Wildlife Conservation Commission to address light pollution issues in ecologically sensitive areas while ensuring human safety and security.



MODEL	OPTICS	LEDs	CURRENT	WAVELENGTH	VOLTAGE
VMF-1	7x5	48LD	3 350mA	TS 590 nm	UNV 120-277V
	7x7	64LD	5 530mA		8 347V
	FN Flood Narrow	80LD			5 480V
	FM Flood Medium	96LD			

MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
KM Knuckle Mount *Slips over 2 3/8" Tenon with adjustable Increments of 10° TM Trunnion Mount *Adjustable up to 90° in 5° increments. NM Nipple Mount *Slip threads over a 3/4" NPT, allows for up to 90° of vertical adjustment in 10° increments from horizontal AWM Adjustable Wall Mount *Allows for up to 70° of vertical adjustment in 10° increments from horizontal	BZ Bronze BK Black GY Grey SBK Smooth Black WH White SWH Smooth White GP Graphite GY Grey SL Silver Metallic ZFP Zinc-Free Primer Coat CC Custom Color	PC-120 PC-208 PC-240 PC-277 Button Type Photocell DIM 0-10v Dimming Driver DTO Dim To Off Driver	ECLS Egg Crate Louver Shield ADJLS Adjustable Louver Light Shield BD Barn Door Shield	UMAP Universal Mast arm fitter ROT-R Rotated Optics Right Side ROT-L Rotated Optics Left Side BBG Bird Spikes BAA Buy America(n) Act Compliant BABA Build America Buy American

Housing

Die cast aluminum LED housing with integral cooling fins for thermal management.

Mounting Arm/Driver Compartment

Durable cast aluminum driver compartment opens for easy access to removable driver(s) for ease of maintenance, and cooler driver operation. One-piece gaskets are utilized throughout the fixture for weather tight operation.

Thermal Management

The VMF series provides excellent thermal management by mounting the LED's to the substantial heat sink of the housing. This enables the Luminaire to withstand higher ambient temperatures and driver currents without degrading LED life.

The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The V-Flood series LED's have been determined to last 90,000+ hours in 25° C environments when driven at 530 mA.

Optical System

The highest lumen output, LEDs are utilized in the VMF Series. LED light engines come in multiples of 16 LEDs.

- Four optical distribution patterns are available.
- LED Wavelength 590nm

Quali-Guard® Finish

- The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 mils thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors.
- Finish is guaranteed for five (5) years.

Electrical Assembly

- The VMF series is supplied with a choice of 350, or 530 mA high-performance LED drivers that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C operations.
- 10 kV surge protector supplied as standard.

Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

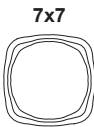
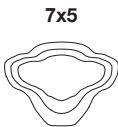
- Button Type Photocell
- Dimming Driver
- Dim To Off Driver
- UMAP
- Egg Crate Light Shield
- Adjustable Louver Light Shield
- Barn Door Shield
- Rotated Optics
- Bird Spikes
- BAA / BABA

Listings

- The VMF Series is cUL Listed
- Powder Coated Tough
- IP66
- ANSI
- Turtle safe
- Certified Wildlife Lighting



Photometric Optical Summary



EPA Data



2.47

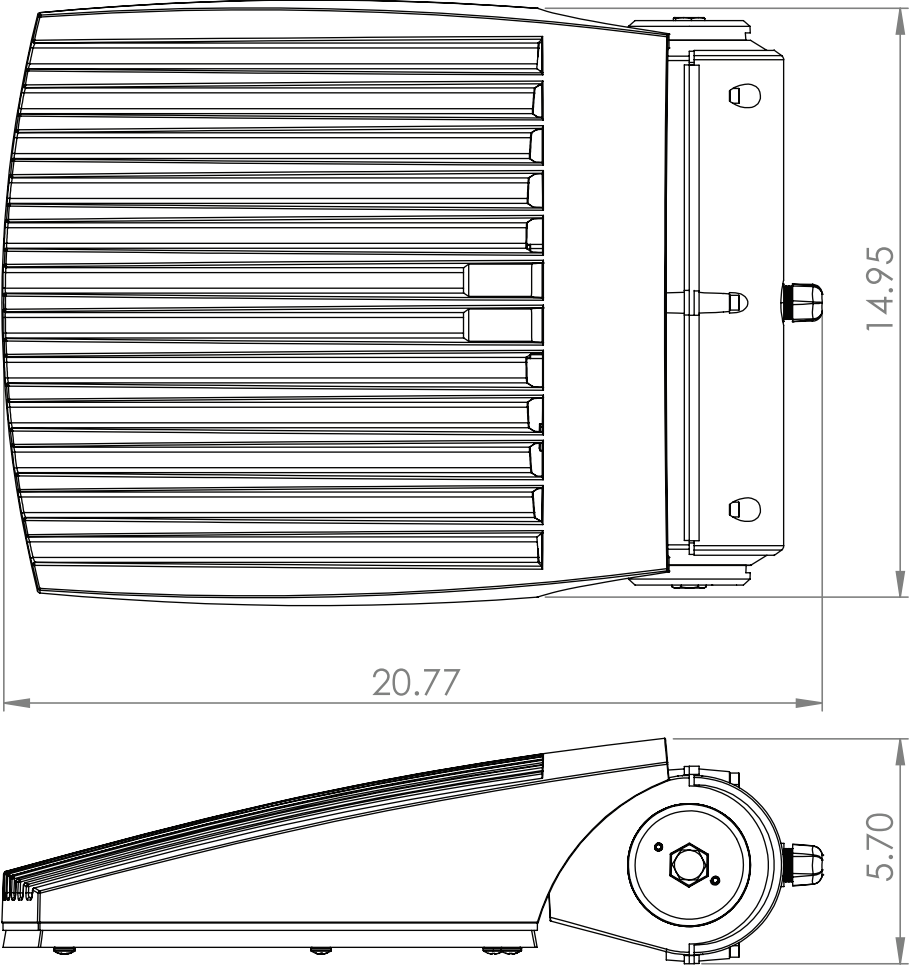
Dimensions

Width: VMF-1 15.5"

Depth: VMF-1 22"/30"

Height: VMF-1 5.5"

Weight: 45 LBS



TS AMBER LUMENS								
MODEL	# LEDs	Current (mA)	7X7	7X5	T4FT	FN	FM	WATTS
VMF-1	48	350	2626	2901	2812	3016	3024	39.9
		530	3316	3663	3550	3808	3818	63.2
	64	350	3502	3867	3749	4021	4032	53.2
		530	4421	4883	4734	5078	5091	84.3
	80	350	4377	4834	4686	5027	5040	66.5
		530	5527	6104	5917	6347	6364	105.4
	96	350	5252	5801	5623	6032	6048	79.8
		530	6632	7325	7100	7617	7636	126.4

EFFICACY (LM/W) TS								
MODEL	# LEDs	Current (mA)	7X7	7X5	T4FT	FN	FM	WATTS
VMF-1	48	350	66	73	70	76	76	39.9
		530	52	58	56	60	60	63.2
	64	350	66	73	70	76	76	53.2
		530	52	58	56	60	60	84.3
	80	350	66	73	70	76	76	66.5
		530	52	58	56	60	60	105.4
	96	350	66	73	70	76	76	79.8
		530	52	58	56	60	60	126.4

BUG TS																		
MODEL	# LEDs	Current (mA)	7X7			7X5			T4FT			FN			FM			
			B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
VMF-1	48	350	1	0	1	1	0	1	1	0	1	3	0	1	3	0	1	
		530	2	0	1	1	0	1	1	0	1	3	0	1	3	0	1	
	64	350	2	0	1	1	0	1	1	0	1	3	0	1	3	0	1	
		530	2	0	1	1	0	1	1	0	2	3	0	1	3	0	1	
	80	350	2	0	1	1	0	1	1	0	2	3	0	1	3	0	1	
		530	3	0	1	1	0	1	1	0	2	3	0	1	3	0	1	
	96	350	2	0	1	1	0	1	1	0	2	3	0	1	3	0	1	
		530	3	0	1	1	0	1	1	0	2	4	0	1	4	0	1	

VMF-1 - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
VMF-1-48LD-3	40	0.33	0.19	0.17	0.14	0.12	0.08
VMF-1-48LD-5	63	0.53	0.30	0.26	0.23	0.18	0.13
VMF-1-64LD-3	53	0.44	0.25	0.22	0.19	0.15	0.11
VMF-1-64LD-5	84	0.70	0.40	0.35	0.30	0.24	0.18
VMF-1-80LD-3	67	0.56	0.32	0.28	0.24	0.19	0.14
VMF-1-80LD-5	105	0.88	0.50	0.44	0.38	0.30	0.22
VMF-1-96LD-3	80	0.67	0.38	0.33	0.29	0.23	0.17
VMF-1-96LD-5	126	1.05	0.61	0.53	0.45	0.36	0.26
ELECTRICAL LOAD DATA IS ESTIMATED							

