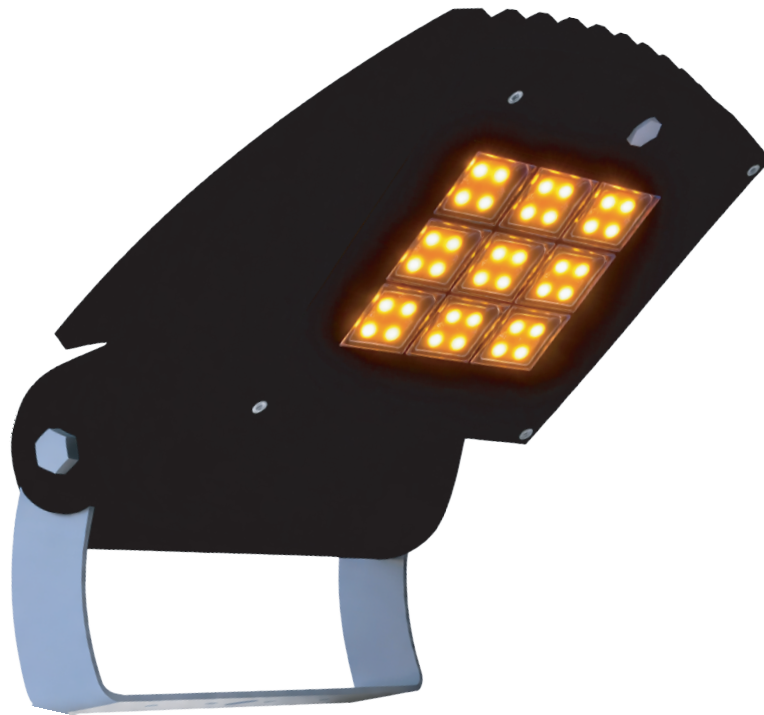


VSF-1-TS LED Specifications

Wildlife Certified

Area - Site - Commercial - Outdoor - Floodlight



The new VSF 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 16 to 48 LED's. Our Turtle Safe LED operates at 590 nm. 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 VSF Series offers an impressive output of up to 5,400 lumens with a wattage package reaching up to 76 watts, delivering an efficiency up to 80 lumens per watt. With integrated controls, the VSF ensures optimal lighting coverage while minimizing energy consumption.

The VSF 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
VSF-1	7x5	16LD *347/480V Not Available	3 350mA	TS 590 nm
	7x7		5 530mA	
	FN Flood Narrow	32LD *347/480V Not Available at 350mA		
	FM Flood Medium	48LD		

VOLTAGE	MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
UNV 120-277V	KM Knuckle Mount *Slips over 2 3/8" Tenon with adjustable increments of 10°	BZ Bronze	PC-120 PC-208 PC-240 PC-277 PC-347 PC-480 Button Type Photocell	ECLS Egg Crate Louver Shield	UMAP Universal Mast arm fitter
8 347V *347V not available in 16 or 32LD 350mA	TM Trunnion Mount *Adjustable up to 90° in 5° increments.	BK Black	DIM 0-10v Dimming Driver	ADJLS Adjustable Louver Light Shield	ROT-R Rotated Optics Right Side
5 480V *480V not available in 16 or 32LD 350mA	NM Nipple Mount *Slip threads over a 3/4" NPT, allows for up to 90° of vertical adjustment in 10° increments from horizontal	GY Grey	DTO Dim to Off	BD Barn Door Shield	ROT-L Rotated Optics Left Side
	AWM Adjustable Wall Mount *Allows for up to 70° of vertical adjustment in 10° increments from horizontal	SBK Smooth Black			BBG Bird Spikes
		WH White			BAA Buy America(n) Act Compliant
		SWH Smooth White			BABA Build America Buy American
		GP Graphite			
		GY Grey			
		SL Silver Metallic			
		ZFP Zinc-Free Primer Coat			
		CC Custom Color			

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; and are sealed with one-piece silicone gaskets.

Thermal Management

The VSF 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 VSF Series. LED light engines come in multiples of 16 LEDs.

- Available with 4 IES distribution patterns.
- 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 VSF 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
- 0-10v Dimming Driver
- Dim To Off Driver
- Egg Crate Light Shield
- Adjustable Louver Light Shield
- Barn Door Shield
- Universal Mast arm fitter
- Rotated Optics
- Bird Spikes
- BAA / BABA

Listings

- The VSF Series is cUL Listed
- Powder Coated Tough
- IP66
- Certified Wildlife Lighting



Photometric Optical Summary



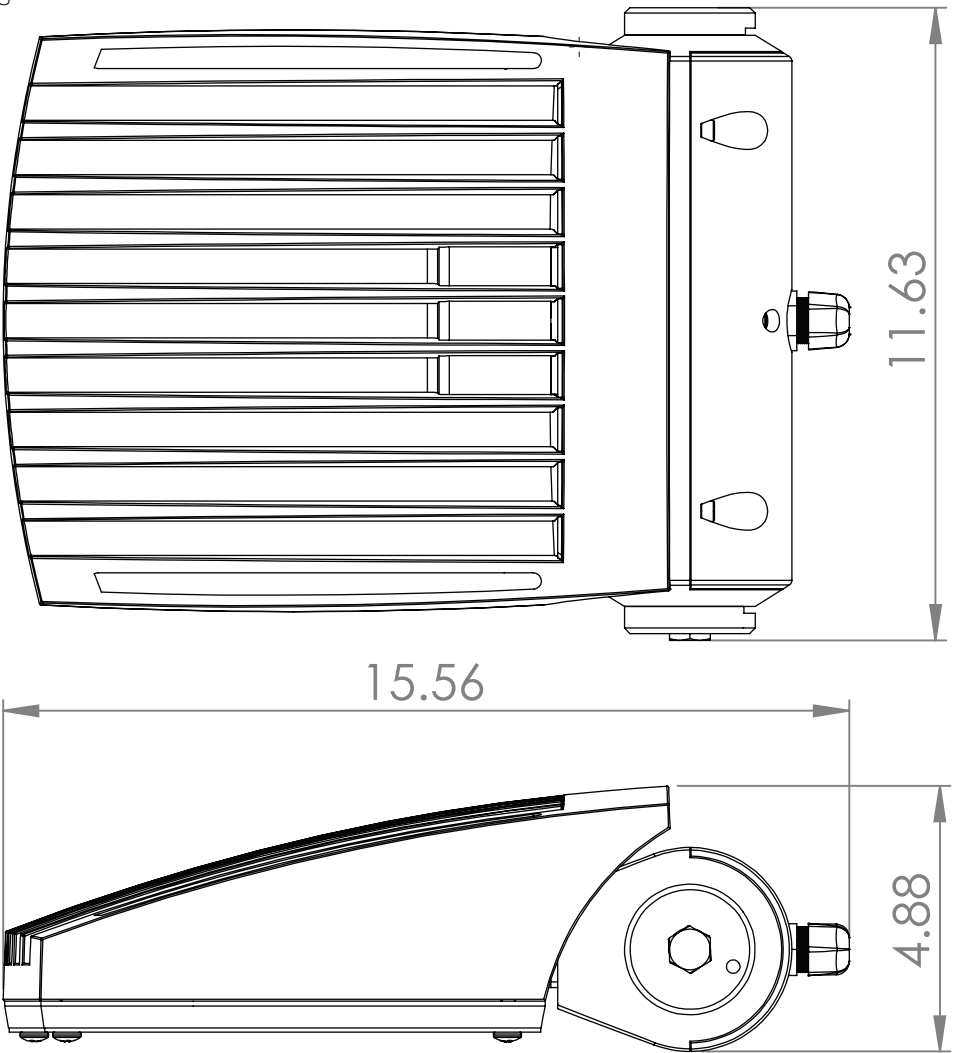
EPA Data



1.36

Dimensions

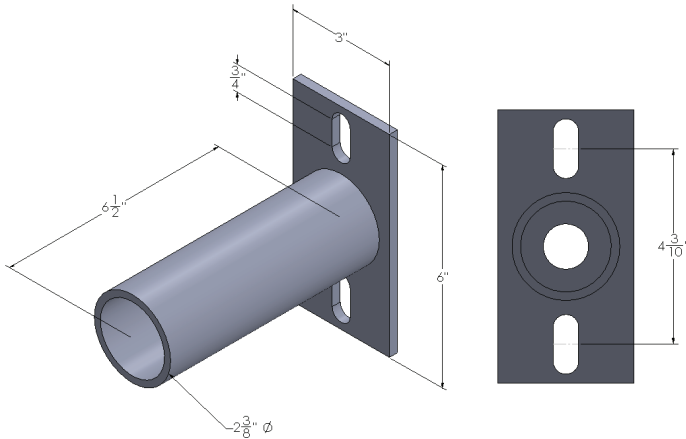
Width:	VSF-1	11.63
Depth:	VSF-1	15.56
Height:	VSF-1	4.88
Weight:	40 LBS	



VSF Options

Universal Mast Arm Fitter

UMAP – The Universal Mast Arm Fitter is a simple solution for retrofit applications where a fixture needs to mount to an existing pole, the UMAP is meant to be use to with knuckle mounts and also Mast Arm Fitters. The UMAP has a bolt slot ranging from 7" all the way down to 3.5". The UMAP also has a Round Pole Plate Adaptor (RPP) for mounting to round poles.



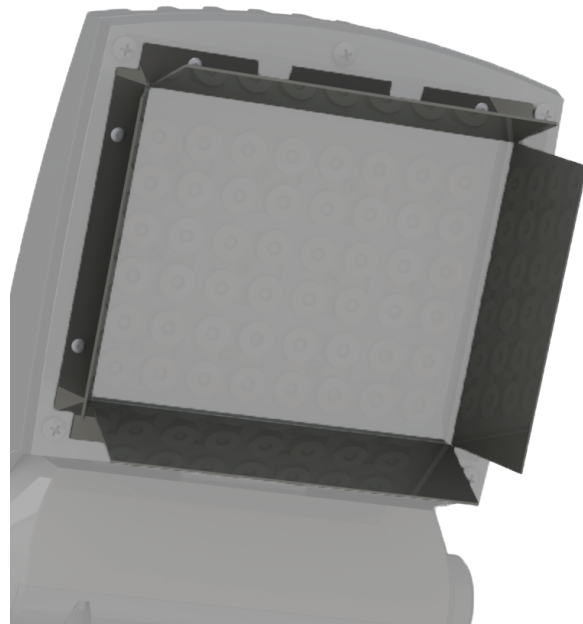
Egg Crate Light Shield



Adjustable Louver Light Shield



Barn Door Light Shield



VSF Mounting Options

Trunnion Mount



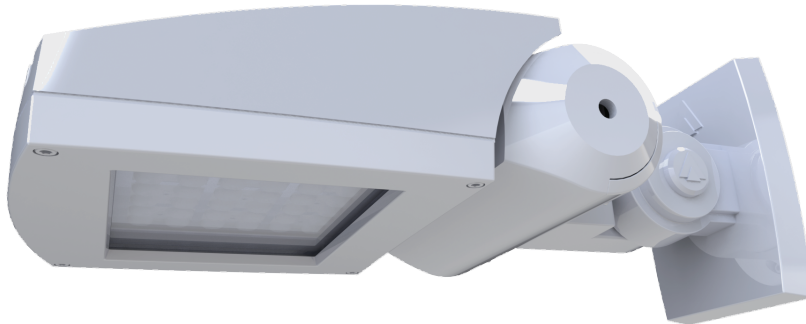
Trunnion Mount is adjustable up to 90 degrees in 5 degree increments.

Knuckle Mount



An adjustable knuckle slip fits over a 2-3/8" Tenon, and allows for up to 90 degrees of vertical adjustment in 10 degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.

Adjustable Wall Mount



A Wall Mount that allows for up to 70 degrees of vertical adjustment in 10 degree increments from horizontal.

Nipple Mount



An adjustable knuckle slip threads over a 3/4" NPT, and allows for up to 90 degrees of vertical adjustment in 10 degree increments from horizontal.

TS AMBER LUMENS								
MODEL	# LEDs	Current (mA)	7X7	7X5	T4FT	FN	FM	WATTS
VSF-1	16	350	918	1014	999	1072	1064	13
		530	1159	1280	1262	1354	1343	21
	32	350	1836	2027	1999	2144	2128	27
		530	2318	2560	2524	2708	2687	42
	48	350	2753	3041	2998	3216	3192	40
		530	3477	3840	3786	4061	4030	63

EFFICACY (LM/W) TS								
MODEL	# LEDs	Current (mA)	7X7	7X5	T4FT	FN	FM	WATTS
VSF-1	16	350	69	76	75	81	80	13
		530	55	61	60	64	64	21
	32	350	69	76	75	81	80	27
		530	55	61	60	64	64	42
	48	350	69	76	75	81	80	40
		530	55	61	60	64	64	63

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
VSF-1	16LD	350	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0
		530	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0
	32LD	350	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1
		530	1	0	1	1	0	1	1	0	1	2	0	1	2	0	1
	48LD	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	1	3	0	1	3	0	1

VSF-1 - ELECTRICAL LOAD (A)								
Ordering Nomenclature	System Watts	120	208	240	277	347	480	
VSF-1-16LD-3	13	0.11	0.06	0.05	0.05	0.04	0.03	
VSF-1-16LD-5	21	0.18	0.10	0.09	0.08	0.06	0.04	
VSF-1-32LD-3	27	0.23	0.13	0.11	0.10	0.08	0.06	
VSF-1-32LD-5	42	0.35	0.20	0.18	0.15	0.12	0.09	
VSF-1-48LD-3	40	0.33	0.19	0.17	0.14	0.12	0.08	
VSF-1-48LD-5	63	0.53	0.30	0.26	0.23	0.18	0.13	
ELECTRICAL LOAD DATA IS ESTIMATED								

