SPM SERIES SPORTS LIGHT

CONSTRUCTION

Sealed die casting body, low profile 3G vibration rated impact design. Driver enclosure is completely sealed against moisture and environmental contaminants. Low wind-low design, light weight, EPA friendly.

OPTICS

Available in NEMA 4H x 4V distribution, optics are precisely designed to shape the distribution, maximizing efficiency and maintain high light level for various sports field application.

Light engines available in 5000K (70+ CRI) configurations. Scalable lumen package from 50,000 to 117,700 lumens.

ELECTRICAL

-40°C minimum to +55°C (-40°F to 131°F) maximum operating temperature. RoHS compliant electronic Class I drivers expected life of 150,000 hours. >.9 power factor, <20% total harmonic distortion, built-in 10kV surge protector. Optional 1-10V dimmable driver.

SENSOR (OPTIONAL)

Optional: LASER-SPM - Laser Aiming Device.
Optional: CONTROL-AVI-LVFA AVI-ON Bluetooth Mesh Controller.

MOUNTING

Robust designed yoke mount secured with 3/4" bolt, versatile mounting bracket designed for ease of installation and offers precise horizontal and vertical aiming capability.

STANDARD FINISH

Black UV stabilized polyester powder paint finish.

CERTIFICATION

Wet location label standard.
Meets Buy America Act requirements.
All luminaires are built to UL1598 standards and bear appropriate cULus labels.

WARRANTY

5 year warranty, see Limited Warranty for additional information.
Option for 10 year warranty, see "Options" on Pg 2.

SHIPPING DATA

Product	Measurement	Weight
SPM-500 / 600	30"L x 20"W x 22"H	65 lb
SPM-850	30"L x 25"W x 22"H	72 lb

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ALS®
Advantage Lighting Solutions

SPM SERIES SPORTS LIGHT

ORDER INFORMATION							EXAMPLE: SPM 600 40 44 YM BK UD
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
SPM				**44**	**YM**	**BK**	

Accessories
Options

A | **SERIES**

SPM | Sports Light

B | **POWER & LM**

CODE	POWER	LPW (AVG.)
500	500W, 70168lm	139
600	600W, 86876lm	145
850	850W, 117690lm	139

C | **CCT**

40	4000K - made to order, consult factory
50	5000K

D | **DISTRIBUTION**

44 | NEMA 4H x 4V

E | **MOUNTING**

YM | Yoke Mount

F | **FINISH**

BK | Black Finish

G | **INPUT**

HD	347-480V input, 1-10V Dimming (Standard)
UD	110-277V input, 1-10V Dimming (Optional)

H | **ACCESSORIES/OPTIONS**

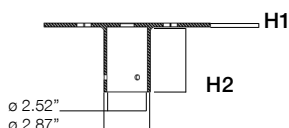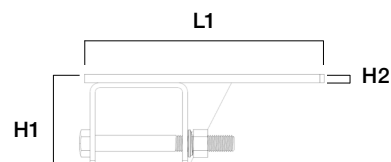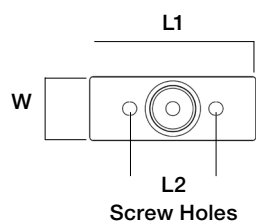|	
AIA	Assembled in America, compliant with BAA (COTS)
LASER-SPM	Laser aiming device
X	10-Year Warranty
MOUNT-SPM-SF	Yoke mount to Slipfitter Adapter
MOUNT-SPM-SBM	Square Beam Bracket
SURGE-LSP4-H	10kV inline Surge Protection for Universal input 480V
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System

*see page 5 for sensor spec

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DIMENSIONS

Model	L	W	H
500W / 600W	20.60" (523mm)	15.20" (386mm)	16.30" (414mm)
850W	23.80" (606mm)	17.46" (444mm)	18.50" (467mm)

L

W
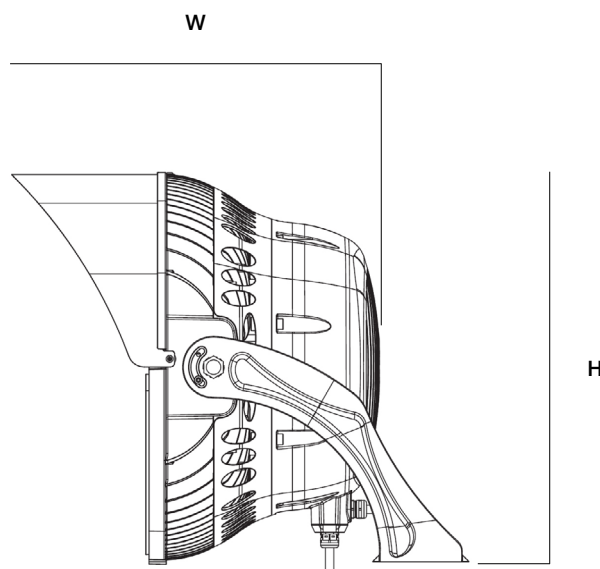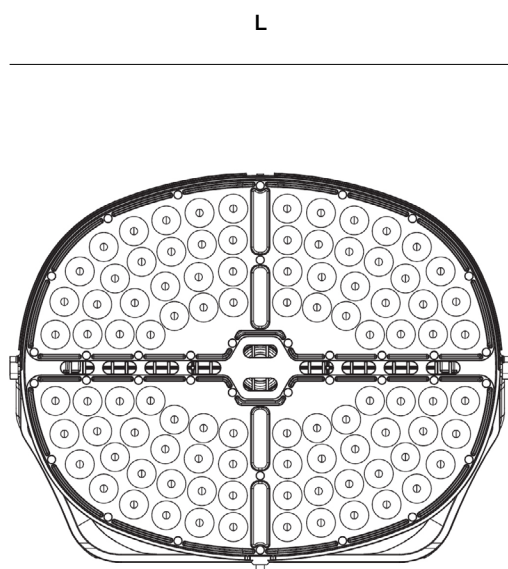
Model	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)
MOUNT-SPM-SBM	11.22" (285mm)	4.02" (102mm)	5.98" (152mm)	4.20" (107mm)	0.39" (10mm)

MOUNT-SPM-SF

MOUNT-SPM-SBM

ø 2.52"
ø 2.87"

L1

L2

Screw Holes

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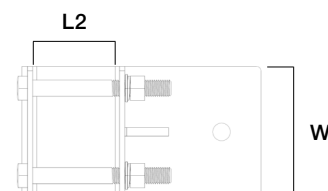
EPA (ft²)

Mounting	Yoke	Yoke
500W / 600W	2.332	
850W		3.052

PERFORMANCE DATA

			4000K		5000K		
SYSTEM WATTS	VOLTAGE	DIST. TYPE	LUMEN	LPW	LUMEN	LPW	QTY ON PALLET
500W	100-277V, 480V	44	68226	135	70168	139	12
600W	100-277V, 480V	44	84652	141	86876	145	12
850W	100-277V, 480V	44	110520	130	117690	139	10

DLC CODE

Part Number	DLC Part Nnumber	DLC Class
SPM - 500 40 44 - XX BK UD / HD	Product ID: S-SN2JV4	Premium
SPM - 500 50 44 - XX BK UD / HD	Product ID: S-93K4P7	Premium
SPM - 600 40 44 - XX BK UD / HD	Product ID: S-9CNPT1	Premium
SPM - 600 50 44 - XX BK UD	Product ID: S-LXV3Q8	Premium
SPM - 600 50 44 - XX BK HD	Product ID: S-GNKBZH	Premium
SPM - 850 40 44 - XX BK HD	Product ID: S-YPZ1T7	Premium
SPM - 850 50 44 - XX BK HD	Product ID: S-2GYJGR	Premium

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App

CONTROL-LVFA

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CONTROL-AVI-LVFA SPEC

Status LEDs & Config Button
Quick and easy validation of wiring and network

Direct Connect™ Sensor Port
Simple and cost-effective addition to Avi-on sensors

Terminal Blocks & Mounting Tabs
Faster, easier and lower cost installation eliminating connectors

avi·on
Avi-on Sensor Interface

LVFA INT ANT 1 CHANNEL
Model: AVI-B-LVFA-12-24VDC-1CH
Input Voltage Range: 12VDC - 24VDC
Input Current: 18 mA, Class 2
Contains FCC ID: 2AFZI-AVIBG21
Contains IC: 20544-AVIBG21

12/24v+ (PWR)
COMMON- (GND)
CH1+ (Dim)
CH1-/CH2- (GND)

Install Guide

Internal Antenna
Improved performance and eliminates risk of accidentally cutting a hanging wire
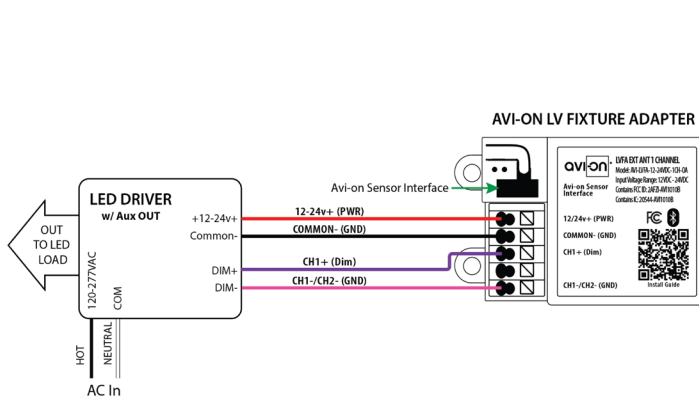
SPECIFICATIONS

INPUT VOLTAGE: 12-24VDC
CURRENT: 15mA without a Sensor
19mA with a DC PIR Sensor
48mA with a DC Microwave Sensor
0-10V DIMMING: 12-24VDC
SIZE: 2.30in x 1.43in x 0.75in
(58.2mm x 36.4mm x 19mm)
MOUNTING: Removable mounting tabs
WEIGHT: 0.45 oz (16g)
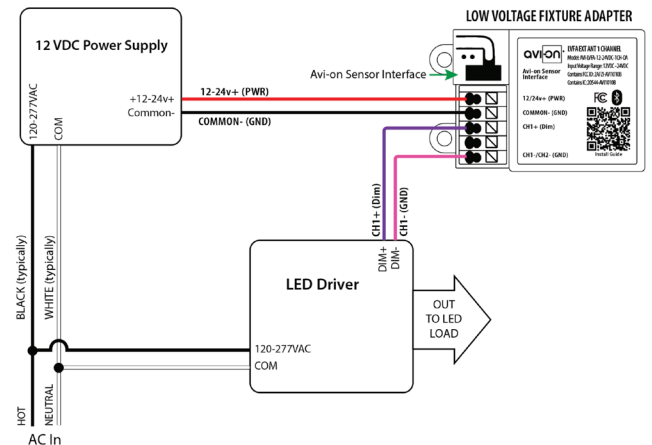**OPERATING TEMP:** -22°F to +158°F (-30°C to + 70°C)

RADIO FREQUENCY: 2.4GHz
WIRELESS STANDARD: BLE 4.2 with Mesh
POINT TO POINT RANGE*: 80ft with obstructions
350ft unobstructed
SECURITY: AES 128-bit encryption for device to device communication
AES 256-bit encryption for device to cloud communication
WARRANTY: 5 years; 10 years optional
REGULATORY: FCC: 2AFZI-AVI1010 B
IC: 20544-AVI1010 B
BQB: D031801, DID: 86303
UL 916, 2043 (Plenum Rated)

*When communicating through the mesh, range is essentially unlimited (5000ft+)

WIRING DIAGRAM

AVI-ON LV FIXTURE ADAPTER

LED DRIVER w/ Aux OUT

OUT TO LED LOAD

+12-24v+
Common-

DIM+
DIM-

Avi-on Sensor Interface

12-24v+ (PWR)
COMMON- (GND)
CH1+ (Dim)
CH1-/CH2- (GND)

avi·on LVFA EXT ANT 1 CHANNEL
Avi-on Sensor Interface

12-24v+ (PWR)
COMMON- (GND)
CH1+ (Dim)
CH1-/CH2- (GND)

Install Guide

120-277VAC
COM

HOT
NEUTRAL
AC In

Fixture adapter powered by LED driver auxiliary output

LOW VOLTAGE FIXTURE ADAPTER

12 VDC Power Supply

120-277VAC
COM

+12-24v+
Common-

Avi-on Sensor Interface

avi·on EXT EXT ANT 1 CHANNEL
Avi-on Sensor Interface

12-24v+ (PWR)
COMMON- (GND)
CH1+ (Dim)
CH1-/CH2- (GND)

Install Guide

12-24v+ (PWR)
COMMON- (GND)

CH1+ (Dim)
CH1- (GND)

DIM+
DIM-

BLACK (typically)
WHITE (typically)

LED Driver

OUT TO LED LOAD

120-277VAC
COM

HOT
NEUTRAL
AC In

Fixture adapter connected to LED driver and using power supply

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