

## CONSTRUCTION

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

#### OPTICS

Available in NEMA 3H x 3V and 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 4000K and 5000K (80+ CRI) configurations. Optional: Scalable lumen package from 35,000 to 160,000 lumens. Optional: RGB LED (consult factory)

### 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.

#### SENSOR (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

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. DLC® Premium (DesignLights Consortium Qualified)

### WARRANTY

10 year warranty, see Limited Warranty for additional information.

Client: Project: Type: Quantity:



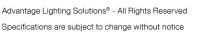


## SHIPPING DATA

Product	Measurement	Weight
SPM-500-G2	30"L x 22"W x 17"H	55 lb
SPM-600-G2	30"L x 22"W x 17"H	55 lb
SPM-850-G2	35"L x 25"W x 22"H	64 lb
SPM-1200-G2	35"L x 25"W x 22"H	72 lb







www.alslighting.us +1 909-598-1077 info@alslighting.us

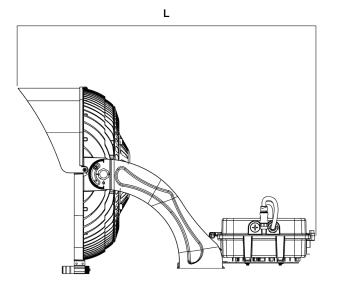


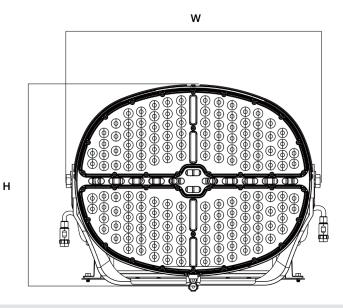
CODE 500-G2   POWER 500W   LUMEN 72,000   LPW (AVG.) 140   CODE 850-G2   POWER 850W   LUMEN 120,000   LPW (AVG.) 141     C   CCT											
SPMYMBKAccessories OptionsSeries SeriesSeries SeriesSeriesSPMSports LightSeriesSeriesSPMSports LightSeriesSeriesSocial <th></th> <th>ORDER INFO</th> <th>RMATION</th> <th>N</th> <th></th> <th></th> <th></th> <th>EXAMPI</th> <th>E : SPN</th> <th>1 500 G2 40</th> <th>44 YM BK UD</th>		ORDER INFO	RMATION	N				EXAMPI	E : SPN	1 500 G2 40	44 YM BK UD
Accessories Options   Series     SPM   Sorta Lat     OWER ALM   Sorta Lat     Concession   Sorta Lat     Sorta Concession   Sorta Lat		Fixture	Series	Pow	er & LM	CCT	Distribution	Mount	ing	Finish	Input
Options     Series       SPM     Sports Light       POWER & LM     CODE       S00-62     SOW 72,000     140       S000K     SOW 72,000     153       S000K     SOW 72,000     140       S000K     SOW 72,000     153       S000K     SOW 72,000     140       S000K     SOW 72,000     140       S000K     SOW 72,000     140       S000K     SOW 72,000     140       S000K     SOW 72,000     140  <			SPM					YM		BK	
SPM   Sports Light     POWER & LM   CODE   POWER & LUMEN   LUMEN   LPW (AVG.)   S500-G2   S50W   120.000   141     S00-G2   S00W   72.000   140   B50-G2   B50W   120.000   141     S00-G2   S00W   72.000   153   1200-G2   1200W   160.000   133     C   CCT   Intermediate   Intermediate   Intermediate   Intermediate   Intermediate     10   4000K   S000K   S000K   Intermediate   Intermediat   Intermediat   Intermediat											
POWER & LM       CODE     POWER & LUMEN     LPW (AVG.)     CODE     POWER & LUMEN     LPW (AVG.)       500-G2     500W     72.000     140     850-G2     850W     120.000     141       600-G2     600W     92.200     153     1200-G2     1200W     160,000     133       C     CCT     Hand     RGB     Red. Green Blue Mixed LED (Made to Order, Consult Factory)       30     DISTRIBUTION     Power Network State     RGB     Red. Green Blue Mixed LED (Made to Order, Consult Factory)       33     NEMA 3H x 3V     44     NEMA 4H x 4V     State     State       MOUNTING     Power Network State     Power Network State     Power Network State     Power Network State       Mount     Power Network State     State     Power Network State     Power Network State     Power Network State       Mount State     Power Network State     State     Power Network State     Power Network State     Power Network State       Mount State     Power Network State     Power Network State     State     Power Network State     Power Network State <th< th=""><th>Α</th><th>SERIES</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	Α	SERIES									
CODE   POWER   LUMEN   LPW (AVG.)   CODE   POWER   LUMEN   LPW (AVG.)     500-G2   500W   72,000   140   S50-G2   1200-G2   120,000   141     600-G2   600W   92,200   153   1200-G2   1200W   160,000   133     C   CCT   RGB   Red, Green Blue Mixed LED (Made to Order, Consult Factory)     500   DISTRIBUTION   RGB   Red, Green Blue Mixed LED (Made to Order, Consult Factory)     33   NEMA 3H x 3V   44   NEMA 4H x 4V   Veloa     MOUNTING   FINISH   Veloa Mount   Veloa Mount   Veloa Mount     FINISH   J20-277V input, 1-10V Dimming (600W by Default)   Veloa Mount   Veloa Mount     UD   120-277V input, 1-10V Dimming (600W by Default)   Veloa Mount   Veloa Mount   Veloa Mount     HD   120-277V input, 1-10V Dimming (600W by Default)   Veloa Mount   Veloa Mount   Veloa Mount     MUDT-SpM-SF   Vole mount to Signifier adapter   SUSGELSP4 + M 480V 10VC Surge protector   Veloa Mount to Signifier adapter     SURGELSP4 + M 480V INVE Surge protector   CORD-SPM-G2-EXT   AV-ON Bluetooth Mesh Control System (DC Power by Driver)		SPM	Sports Lig	ht							
500-G2   500W   72,000   140   850-G2   850W   120,000   141     600-G2   600W   92,200   153   1200-G2   850W   120,000   141     7   40   4000K   5000K   RGB   Red, Green Blue Mixed LED (Made to Order, Consult Factory)     50   5000K   140   140   NEMA 4H x 4V     33   NEMA 3H x 3V   44   NEMA 4H x 4V     600   120.777V input, 1-10V Dimming (500W by Default)   1000000000000000000000000000000000000	В	POWER & LM									
40   4000K   RGB   Rdd, Green Blue Mixed LED, Made to Order, Consult Factory, Sonok     DISTRIBUTION   33   NEMA 3H × 3V   44   NEMA 4H × 4V     30   MOUNTING   Yoke Mount   14   NEMA 4H × 4V     7M   Yoke Mount   Voke Mount   Voke Mount   Voke Mount     7M   BK   Black Finish   Voke Mount   Voke Mount   Voke Mount     7M   Disk Finish   Voke Mount   Voke Mount   Voke Mount   Voke Mount     7M   Disk Voke Mount   Signer Mount   Voke Mount   Voke Mount   Voke Mount     7M   Disk Voke Mount   Signer Mount   Signer Mount   Voke Mount   Voke Mount     7M   Disk Voke Mount   Signer Mount   Signer Mount   Signer Mount   Signer Mount     7M   Disk Voke Mount   Signer Mount   Signer Mount   Signer Mount   Signer Mount     8   Accessore   Nownramet Mount   Assembled in America Compliant with BAA (COTS)   Signer Mount   Signer Mount     9   Mount-SpH-SF   Yoke mount to Signer Mount   Yoke mount to Signer Mount   Signer Mount     9   Mo		500-G2	500W	72,000	140	'G.)	850-G2	850W	120,000	141	
50   5000K     DISTRIBUTION   33   NEMA 3H x 3V   44   NEMA 4H x 4V     33   NEMA 3H x 3V   44   NEMA 4H x 4V     Image: Mounting   YM   Yoke Mount   Ymage:	С	ССТ									
33   NEMA 3H x 3V   44   NEMA 4H x 4V     MOUNTING   YM   Vake Mount   Vake Mount     YM   Vake Mount   Vake Mount   Vake Mount     FINISH   Black Finish   Vake Mount, 1000 Default)   Vake Mount, 1000 Default)     Dhype   120-277V input, 1-10V Dimming (600W by Default)   Vake Mount, 1000 Default)   Vake Mount, 1000 Default)     MOUNTSPM   347-480V input, 1-10V Dimming (600/850/1200W by Default)   Vake Mount, 1000 Default)   Vake Mount, 1000 Default)     MOUNTSPM   Adsembled in America, compliant with BAA (COTS)   Singee LSP4-H   Assembled in America, compliant with BAA (COTS)     SURGE LSP4-H   Assembled in America, compliant with BAA (COTS)   Singee LSP4-H   Assembled in America, compliant with BAA (COTS)     SURGE LSP4-H   Assembled in America, compliant with BAA (COTS)   Singee LSP4-H   Assembled in America, compliant with BAA (COTS)     SURGE LSP4-H   Assembled in America, compliant with BAA (COTS)   Singee LSP4-H   Assembled in America, compliant with BAA (COTS)     SURGE LSP4-H   Assembled in America, compliant with BAA (COTS)   Singee LSP4-H   Assembled in America, compliant with BAA (COTS)     CORD-SPM-GLAVI-LFAY   AVI-ON Bluetooth Mesh Control System (DC Power by Driver)   AVI-ON Bluetooth Mesh Contro							RGB	Red, Gree	n Blue Mixe	ed LED (Made to C	order, Consult Factory)
MOUNTING     YM   Yoke Mount     FINISH     BK   Black Finish     UD   120-277V input, 1-10V Dimming (500W by Default) 347-480V input, 1-10V Dimming (600/850/1200W by Default)     HD   ACCESSORIES// Supple (1-10V Dimming (600/850/1200W by Default))     VI   ACCESSORIES// Supple (1-10V DIMMING (1-10	D	DISTRIBUTION									
YM   Yoke Mount     FINISH   FINISH     BK   Black Finish     INPUT   UD     JD   120-277V input, 1-10V Dimming (500W by Default) 347-480V input, 1-10V Dimming (600/850/1200W by Default)     AK   Assembled in America, compliant with BAA (COTS)     blank   10-year Warranty (Default) MOUNT-SPM-SF     SURGE-LSP4-H   A80V 10/V Surge protector CONTROL-AVI-LVFA*     CORD-SPM-G2-EXT   164ft Remote Driver Extension Cord w/Water Tight Quick Connector**		33	NEMA 3H	x 3V			44	NEMA 4H	x 4V		
FINISH     BK   Black Finish     INPUT     UD   120-277V input, 1-10V Dimming (500W by Default) HD     347-480V input, 1-10V Dimming (600/850/1200W by Default)     HD   347-480V input, 1-10V Dimming (600/850/1200W by Default)     ACCESSORIES///TIONS     AIA   Assembled in America, compliant with BAA (COTS) blank     NOUNT-SPM-SF   Yoke mount to Slipfitter adapter SURGE-LSP4-H     VAIO-VON Bluetooth Mesh Control System (DC Power by Driver) CONTROL-AVI-LVFA*   AVI-ON Bluetooth Mesh Control System (DC Power by Driver)     CORD-SPM-G2-EXT   164ft Remote Driver Extension Cord w/Water Tight Quick Connector**	Е	MOUNTING									
BK   Black Finish     INPUT   UD   120-277V input, 1-10V Dimming (500W by Default) HD   347-480V input, 1-10V Dimming (600/850/1200W by Default)     H   ACCESSORIES/ ACCESSORIES/ Blank   Assembled in America, compliant with BAA (COTS)     blank   10-year Warranty (Default) MOUNT-SPM-SF Yoke mount to Slipfitter adapter     SURGE-LSP4-H   480V 10kV Surge protector     CONTROL-AVI-LVFA*   AVI-ON Bluetooth Mesh Control System (DC Power by Driver) CORD-SPM-G2-EXT		YM	Yoke Mour	nt							
G   INPUT     UD   120-277V input, 1-10V Dimming (500W by Default)     HD   347-480V input, 1-10V Dimming (600/850/1200W by Default)     ACCESSORIES/OPTIONS   ACCESSORIES/OPTIONS     AIA   Assembled in America, compliant with BAA (COTS)     blank   10-year Warranty (Default)     MOUNT-SPM-SF   Yoke mount to Slipfitter adapter     SURGE-LSP4-H   480V 10kV Surge protector     CONTROL-AVI-LVFA*   AVI-ON Bluetooth Mesh Control System (DC Power by Driver)     CORD-SPM-G2-EXT   164ft Remote Driver Extension Cord w/Water Tight Quick Connector**	F	FINISH									
UD   120-277V input, 1-10V Dimming (500W by Default) 347-480V input, 1-10V Dimming (600/850/1200W by Default)     H   ACCESSORIES/OPTIONS     AIA   Assembled in America, compliant with BAA (COTS)     blank   10-year Warranty (Default)     MOUNT-SPM-SF   Yoke mount to Slipfitter adapter     SURGE-LSP4-H   480V 10kV Surge protector     CONTROL-AVI-LVFA*   AVI-ON Bluetooth Mesh Control System (DC Power by Driver)     CORD-SPM-G2-EXT   164ft Remote Driver Extension Cord w/Water Tight Quick Connector**		ВК	Black Finis	sh							
HD   347-480V input, 1-10V Dimming (600/850/1200W by Default)     HD   ACCESSORIES/OPTIONS     AIA   Assembled in America, compliant with BAA (COTS)     blank   10-year Warranty (Default)     MOUNT-SPM-SF   Yoke mount to Slipfitter adapter     SURGE-LSP4-H   480V 10kV Surge protector     CONTROL-AVI-LVFA*   AVI-ON Bluetooth Mesh Control System (DC Power by Driver)     CORD-SPM-G2-EXT   164ft Remote Driver Extension Cord w/Water Tight Quick Connector**	G	INPUT									
AIAAssembled in America, compliant with BAA (COTS)blank10-year Warranty (Default)MOUNT-SPM-SFYoke mount to Slipfitter adapterSURGE-LSP4-H480V 10kV Surge protectorCONTROL-AVI-LVFA*AVI-ON Bluetooth Mesh Control System (DC Power by Driver)CORD-SPM-G2-EXT164ft Remote Driver Extension Cord w/Water Tight Quick Connector**						-					
blank10-year Warranty (Default)MOUNT-SPM-SFYoke mount to Slipfitter adapterSURGE-LSP4-H480V 10kV Surge protectorCONTROL-AVI-LVFA*AVI-ON Bluetooth Mesh Control System (DC Power by Driver)CORD-SPM-G2-EXT164ft Remote Driver Extension Cord w/Water Tight Quick Connector**	н	ACCESSORIES/	OPTIONS								
see hade o iol zelizol zhec	_	blank MOUNT-SPM-SI SURGE-LSP4-H CONTROL-AVI-L CORD-SPM-G2-	_VFA* -EXT		10-year Wa Yoke moun 480V 10kV AVI-ON Blu	rranty (Default) t to Slipfitter ada Surge protecto etooth Mesh Co	apter r ontrol System (DC F	Power by Dr	-	**	
		*see page 6 for sensor	spec								

\*\*For Remote Driver application, PART# CORD-SPM-G2-EXT must be used to meet warranty requirement.

# DIMENSIONS (WITH DRIVER ENCLOSURE)







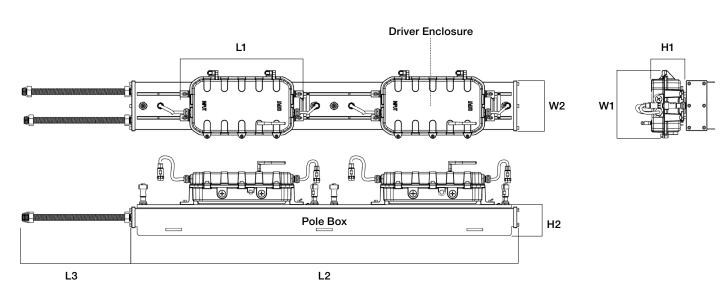
# **DIMENSIONS (REMOTE DRIVER)**

Model	L	w	н	
500W / 600W	18.80" (477mm)	20.80" (530mm)	16.90" (430mm)	
850W / 1200W	21.70" (552mm)	23.80" (605mm)	19.70" (500mm)	
	L			W
			Н	

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# DIMENSIONS (REMOTE DRIVER ENCLOSURE)

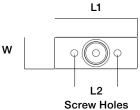




## **DIMENSIONS (MOUNT-SPM-SF)**

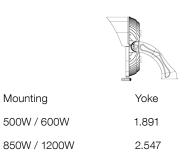
Model	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)







EPA (ft<sup>2</sup>)



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# PERFORMANCE DATA

			400	оок	50	000К
SYSTEM WATTS	VOLTAGE	DIST. TYPE	LUMEN	LPW	LUMEN	LPW
50014/	100-277V, 480V	33	73247	146	73051	146
500W	100-277V, 480V	44	72275	145	73113	146
600W	100-277V, 480V	33	92352	154	92562	154
	100-277V, 480V	44	92378	154	92688	154
05014	100-277V, 480V	33	122485	144	122076	144
850W	100-277V, 480V	44	122344	144	121679	143
10001/	100-277V, 480V	33	162090	135	162363	135
1200W	100-277V, 480V	44	161952	135	161272	134

# **DLC Code**

Part Number	DLC Part Nnumber	DLC Class
SPM - 500-G2 40 33 - XX BK UD / HD	Pending	Premium
SPM - 500-G2 50 33 - XX BK UD / HD	Pending	Premium
SPM - 500-G2 40 44 - XX BK UD / HD	Pending	Premium
SPM - 500-G2 50 44 - XX BK UD / HD	Pending	Premium
SPM - 600-G2 40 33 - XX BK UD / HD	Pending	Premium
SPM - 600-G2 50 33 - XX BK UD / HD	Pending	Premium
SPM - 600-G2 40 44 - XX BK UD / HD	Pending	Premium
SPM - 600-G2 50 44 - XX BK UD / HD	Pending	Premium
SPM - 850-G2 40 33 - XX BK UD / HD	Pending	Premium
SPM - 850-G2 50 33 - XX BK UD / HD	Pending	Premium
SPM - 850-G2 40 44 - XX BK UD / HD	Pending	Premium
SPM - 850-G2 50 44 - XX BK UD / HD	Pending	Premium
SPM - 1200-G2 40 33 - XX BK UD / HD	Pending	Premium
SPM - 1200-G2 50 33 - XX BK UD / HD	Pending	Premium
SPM - 1200-G2 40 44 - XX BK UD / HD	Pending	Premium
SPM - 1200-G2 50 44 - XX BK UD / HD	Pending	Premium



# SENSOR SPEC

Model	Туре	Mounting	Coverage	Input	Function	Programmable
CONTROL-AVI-LVFA (see page 7 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



CONTROL-AVI-LVFA



# CONTROL-AVI-LVFA SPEC

## Status LEDs & Config Button

Quick and easy validation of wiring and network

Direct Connect<sup>™</sup> Sensor Port

Simple and cost-effective addition to Avi-on sensors



 Avi-on Sensor Interface
 WKA NT ANT 1 CHANNEL Mode AMB-URF-12-2MDC 10H Input Whatpe Range 12X0C - 2MDC Input What

## **Internal Antenna**

Improved performance and eliminates risk of accidentally cutting a hanging wire

### **Terminal Blocks & Mounting Tabs**

Faster, easier and lower cost installation eliminating connectors

## SPECIFICATIONS

WIRING DIAGRAM

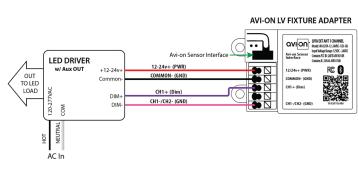
INPUT VOLTAGE:	12-24VDC
CURRENT:	15mA without a Sensor
	19mA with a DC PIR Sensor
	48mA with a DC Microwave Sensor
0-10V DIMMING:	12-24VDC
SIZE:	2.30in x 1.43in x 0.75in
	(58.2mm x 36.4mm x 19mm)
MOUNTING:	Removable mounting tabs
WEIGHT:	0.45 oz (16g)
OPERATING TEMF	: -22°F to +158°F (-30°C to + 70°C)

RADIO FREQUENCY: WIRELESS STANDARD: POINT TO POINT RANGE\*:

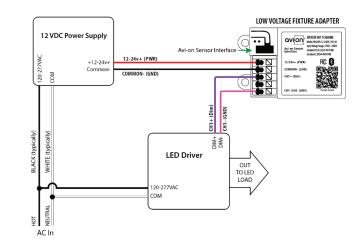
SECURITY:

WARRANTY: REGULATORY: 2.4GHz BLE 4.2 with Mesh 80ft with obstructions 350ft unobstructed AES 128-bit encryption for device to device communication AES 256-bit encryption for device to cloud communication 5 years; 10 years optional 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+)



Fixture adapter powered by LED driver auxiliary output



### Fixture adapter connected to LED driver and using power supply