

SPM SERIES G2 SPORTS LIGHT

Client:
Project:
Type:
Quantity:

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-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.

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

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.

SPM SERIES G2 SPORTS LIGHT

ORDER INFORMATION				EXAMPLE : SPM 500 G2 40 44 YM BK UD														
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input											
	SPM				YM	BK												
Accessories																		
Options																		
A	SERIES																	
SPM Sports Light																		
B	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																	
40	4000K				RGB	Red, Green Blue Mixed LED (Made to Order, Consult Factory)												
50	5000K																	
D	DISTRIBUTION																	
33	NEMA 3H x 3V			44	NEMA 4H x 4V													
E	MOUNTING																	
YM	Yoke Mount																	
F	FINISH																	
BK	Black Finish																	
G	INPUT																	
HD	200-480V input, 1-10V Dimming (Default)																	
UD	120-277V input, 1-10V Dimming																	
H	ACCESSORIES/OPTIONS																	
blank	Aiming Laser included with fixture																	
blank	10-year Warranty (Default)																	
AIA	Assembled in America, compliant with BAA (COTS)																	
MOUNT-SPM-SF	Yoke mount to Slipfitter adapter																	
MOUNT-SPM-SBM	Square Beam Bracket																	
SPM-POLE-BOX	Remote Pole Box																	
SURGE-LSP4-H	480V 10kV Surge Protector																	
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System																	
CORD-SPM-G2-EXT	164ft Remote Driver Extension Cord w/Water Tight Quick Connector**																	

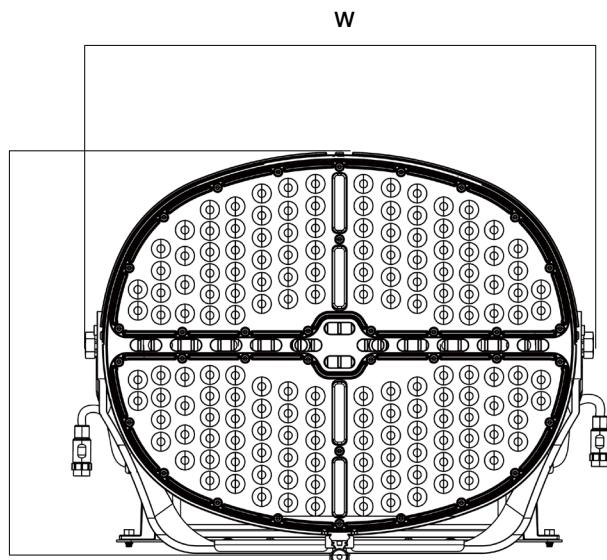
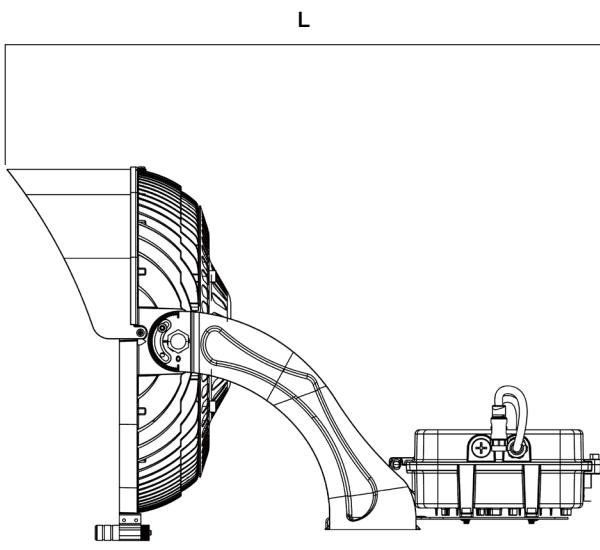
**For Remote Driver application, PART# CORD-SPM-G2-EXT must be used to meet warranty requirement.

*see page 7 for sensor spec

SPM SERIES G2 SPORTS LIGHT

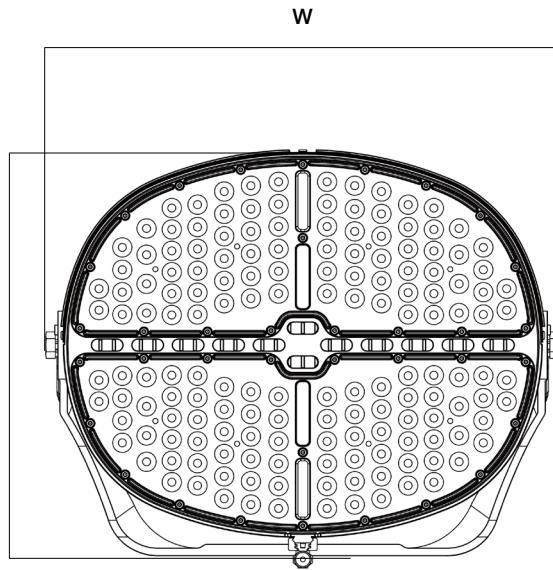
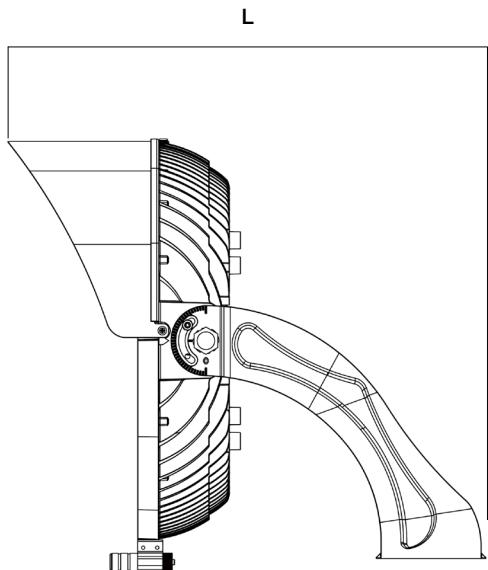
DIMENSIONS (WITH DRIVER ENCLOSURE)

Model	L	W	H
500W / 600W	26.90" (684mm)	20.80" (530mm)	16.90" (430mm)
850W / 1200W	29.80" (757mm)	23.80" (605mm)	19.70" (500mm)



DIMENSIONS (REMOTE DRIVER)

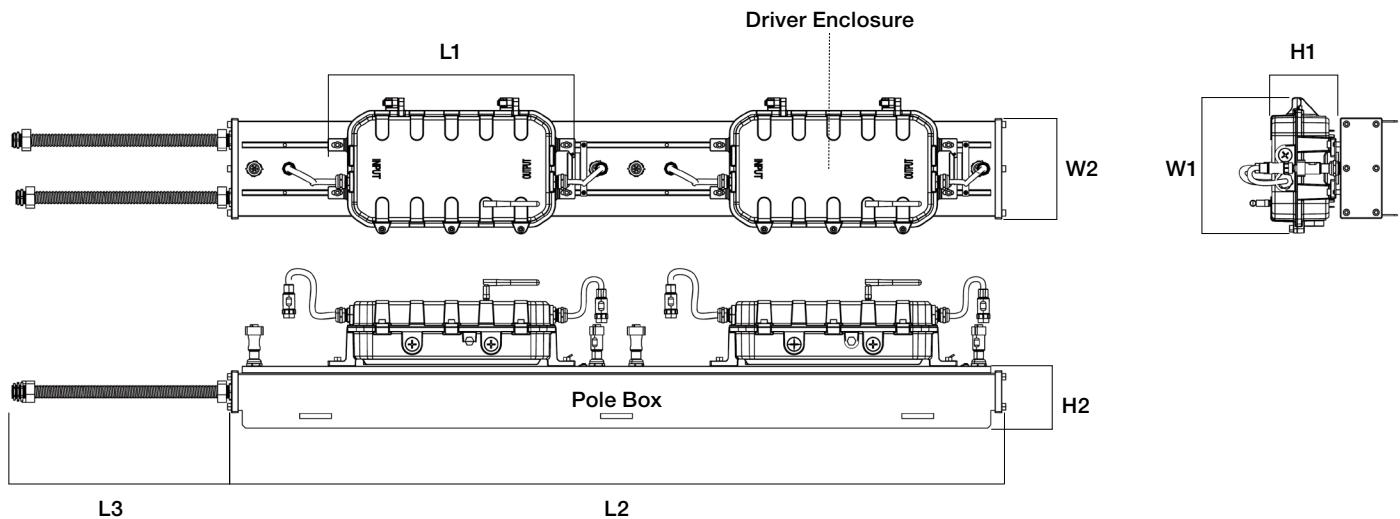
Model	L	W	H
500W / 600W	18.80" (477mm)	20.80" (530mm)	16.90" (430mm)
850W / 1200W	21.70" (552mm)	23.80" (605mm)	19.70" (500mm)



SPM SERIES G2 SPORTS LIGHT

DIMENSIONS (REMOTE DRIVER ENCLOSURE)

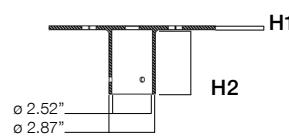
Model	L1	W1	H1	L2	W2	H2	L3
Driver Enclosure for 500W / 600W	15.30" (388mm)	8.40" (214mm)	4.10" (103mm)	-	-	-	-
Driver Enclosure for 850W / 1200W	18.50" (470mm)	9.60" (244mm)	4.10" (103mm)	-	-	-	-
Pole Box	-	-	-	47.70" (1211mm)	6.20" (158mm)	3.80" (97mm)	47.20" (1200mm)



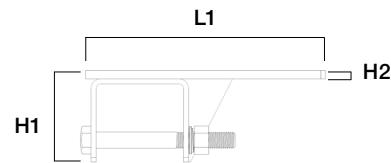
SPM SERIES G2 SPORTS LIGHT

DIMENSIONS (MOUNT)

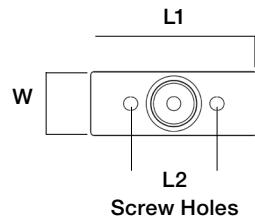
Model	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)
MOUNT-SPM-SBM	11.22" (285mm)	4.02" (102mm)	5.98" (152mm)	4.20" (107mm)	0.39" (10mm)



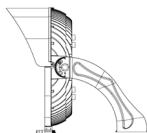
MOUNT-SPM-SF



MOUNT-SPM-SBM



EPA (ft²)



Mounting	Yoke
500W / 600W	1.891
850W / 1200W	2.547

SPM SERIES G2 SPORTS LIGHT

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	4000K		5000K	
			LUMEN	LPW	LUMEN	LPW
500W	100-277V, 480V	33	73247	146	73051	146
	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
850W	100-277V, 480V	33	122485	144	122076	144
	100-277V, 480V	44	122344	144	121679	143
1200W	100-277V, 480V	33	162090	135	162363	135
	100-277V, 480V	44	161952	135	161272	134

SPM SERIES G2 SPORTS LIGHT

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 8 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



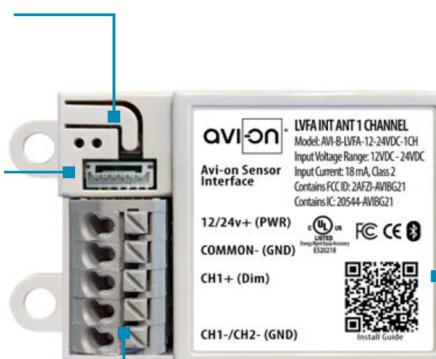
CONTROL-LVFA

SPM SERIES G2 SPORTS LIGHT

CONTROL-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

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

5 years; 10 years optional

FCC: 2AFZ1-AV11010 B

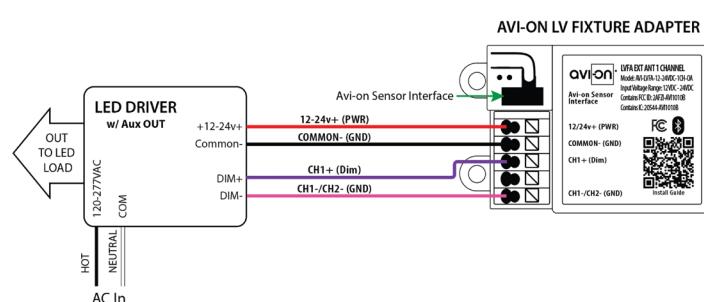
IC: 20544-AV11010 B

BQB: D031801, DID: 86303

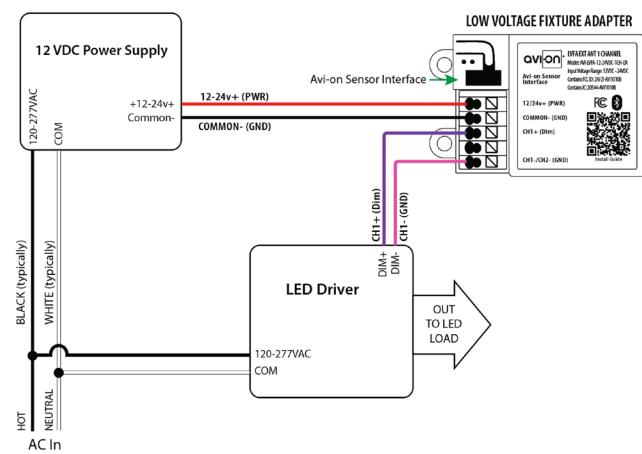
UL 916, 2043 (Plenum Rated)

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

WIRING DIAGRAM



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply