

## SPQ-G2 SPORTS LIGHT

Client:  
Project:  
Type:  
Quantity:

### CONSTRUCTION

Die-casting housing, compact design. Driver enclosure suitable for remote mounting, IP66 rated completely sealed against moisture and environmental contaminants. Light weight, EPA friendly.



### OPTICS

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

Stock: 70CRI 5000K light engine.

Optional: 3000K, 4000K made to order.

500W / 600W



### ELECTRICAL

-40°C minimum to +50°C (-40°F to 122°F) maximum operating temperature.

RoHS compliant electronic Class I drivers expected life of 150,000 hours.

>.9 power factor, <15% total harmonic distortion.

SPQ-G2-500W: Standard 120-277VAC Input 0-10V dimming.

SPQ-G2-600W / 850W / 1200W: Standard 200-480VAC Input 0-10V dimming.

Optional: SPQ-G2-500W - 200-480VAC Input 0-10V dimming.

Optional: SPQ-G2-600W - 120-277VAC Input 0-10V dimming.

850W / 1200W

### SENSOR / CONTROLLER

Optional: LASER-SPM - Laser Aiming device.

Optional: CONTROL-LVFA - AVI-ON Bluetooth Mesh Controller.

Optional: Synapse Wireless ProFX Lighting Control System

### 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.

Optional: Yoke to Slipfitter Adapter.

Optional: Square Beam Mount Bracket

### STANDARD FINISH

UV stabilized polyester Black powder coat finish.

### CERTIFICATION

IP66 Rated, 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.



## SPQ-G2 SPORTS LIGHT

ORDER INFORMATION				EXAMPLE : SPQ-G2 500 50 44 YM BK UD							
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input				
	SPQ-G2				YM	BK					
Accessories											
Options											
<b>A</b>	SERIES										
SPQ-G2	Modular Sports Light - Gen 2										
<b>B</b>	POWER & LM										
CODE	POWER	LUMEN	LPW (AVG.)	CODE	POWER	LUMEN	LPW (AVG.)				
500	500W	76,926	154	850	850W	127,854	151				
600	600W	94,258	157	1200	1200W	184,027	153				
<b>C</b>	CCT										
50	5000K (Default stock)			30	3000K (Made to order)						
				40	4000K (Made to order)						
<b>D</b>	DISTRIBUTION										
44	NEMA 4H x 4V (Default stock)										
<b>E</b>	MOUNTING										
YM	Yoke Mount										
<b>F</b>	FINISH										
BK	Black Finish										
<b>G</b>	INPUT										
HD	200-480V input, 1-10V Dimming (Standard)										
UD	120-277V input, 1-10V Dimming (Optional)										
<b>H</b>	ACCESSORIES/OPTIONS										
AIA	Assembled in America, compliant with BAA (COTS)										
LASER-SPM	Laser aiming device										
MOUNT-SPM-SF	Yoke mount to Slipfitter adapter										
MOUNT-SPM-SBM	Square Beam Bracket										
SPM-POLE-BOX*	Pole Mount Wiring Box for Remote Driver Option										
SURGE-LSP4-H	480V 10kV Surge Protector only for 500W										
CONTROL-LVFA**	AVI-ON Bluetooth Mesh Control System										
CORD-SPM-G2-EXT	164ft Remote Driver Extension Cord w/Water Tight Quick Connector***										
SYNAPSE	Synapse Wireless ProFX Lighting Control System (Consult factory)										

\*see page 4 for detail spec

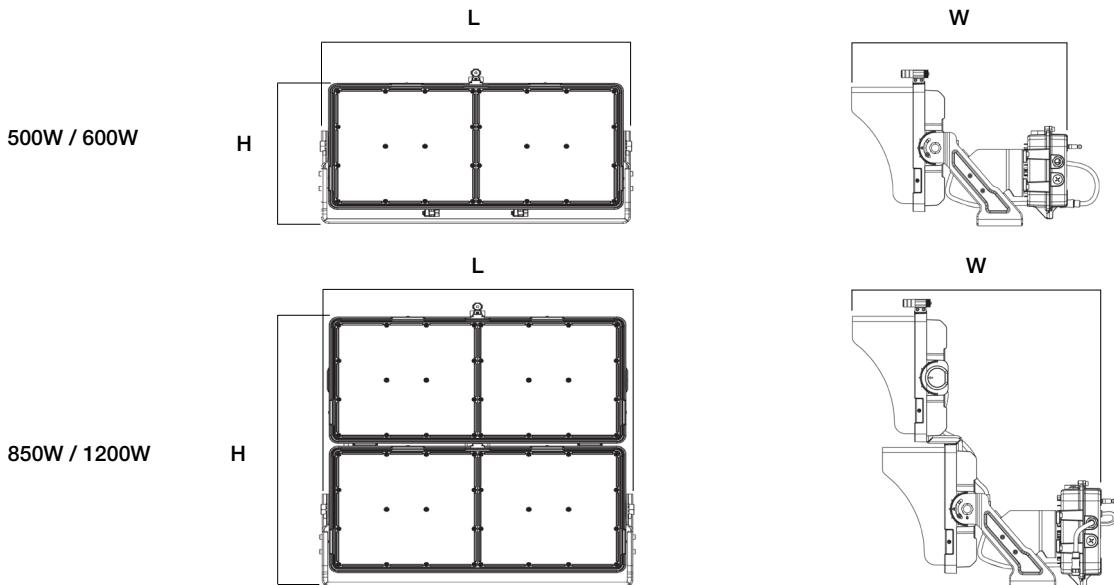
\*\*\*For Remote Driver application, PART# CORD-SPM-G2-EXT must be used to meet warranty requirement.

\*\*see page 7 for sensor spec

## SPQ-G2 SPORTS LIGHT

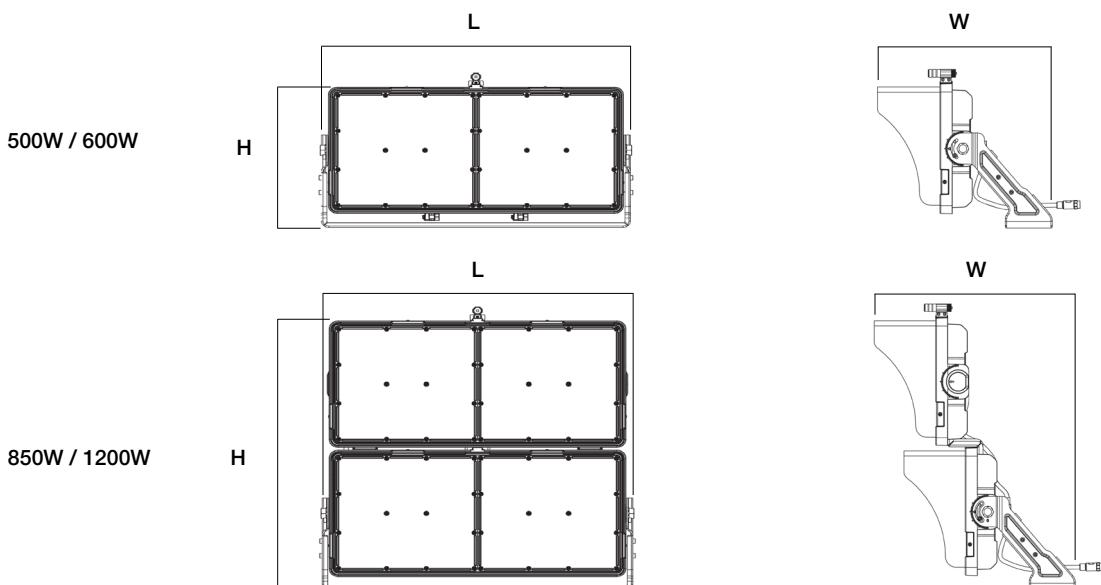
### DIMENSIONS (WITH POWER BOX ATTACHED)

Model	L	W	H
500W / 600W	24.8" (631mm)	19.6" (499mm)	12.8" (326mm)
850W / 1200W	24.8" (631mm)	22.4" (568mm)	24.7" (627mm)



### DIMENSIONS (WITH REMOTE POWER BOX)

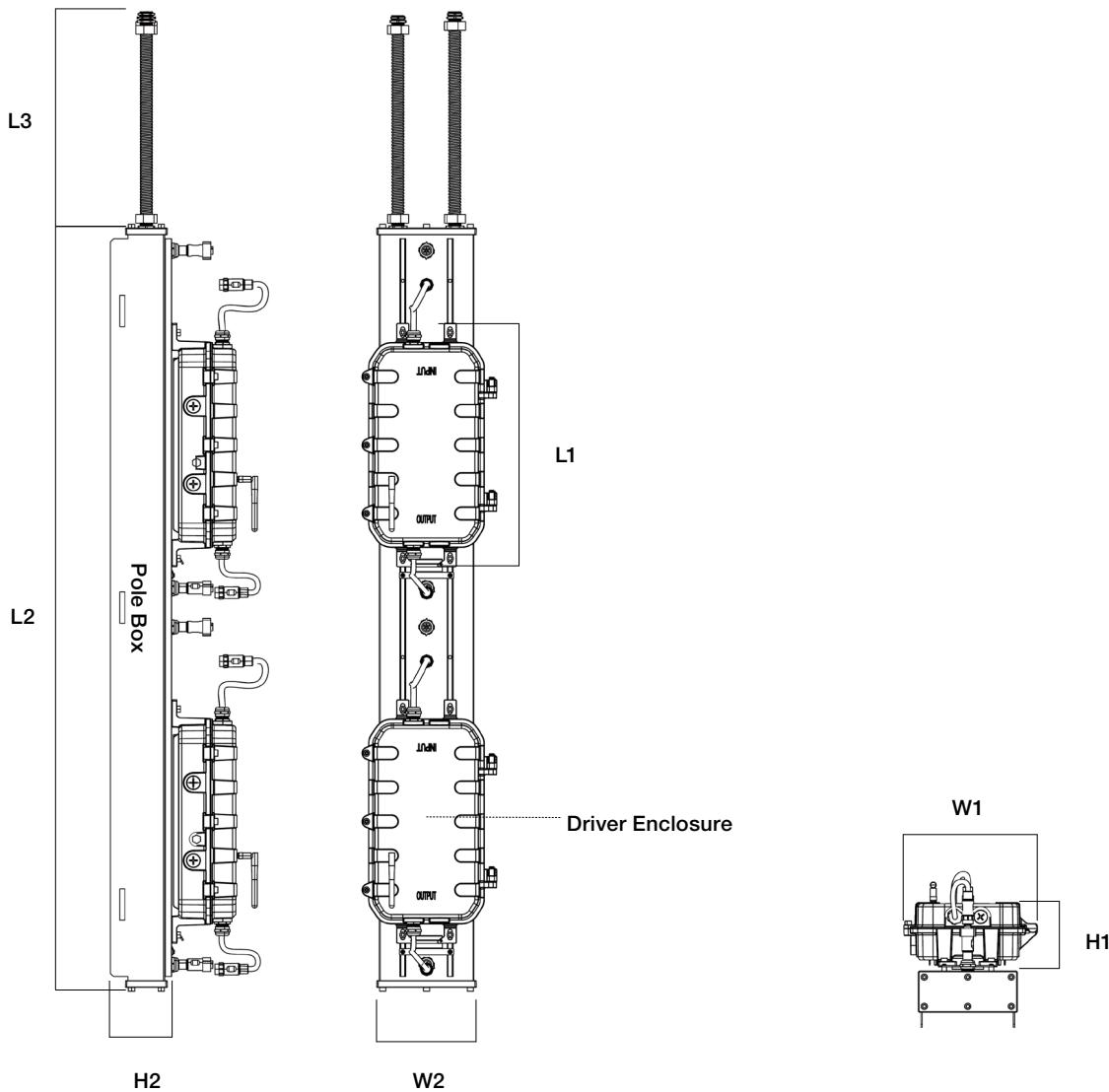
Model	L	W	H
500W / 600W	24.8" (631mm)	15.6" (396mm)	12.8" (326mm)
850W / 1200W	24.8" (631mm)	18.3" (464mm)	24.7" (627mm)



## SPQ-G2 SPORTS LIGHT

### DIMENSIONS (POLE MOUNT WIRING BOX AND REMOTE DRIVER)

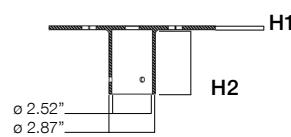
Model	L1	W1	H1	L2	W2	H2	L3
Driver Enclosure for 500W / 600W	15.3" (388mm)	8.4" (214mm)	4.1" (103mm)	-	-	-	-
Driver Enclosure for 850W / 1200W	18.5" (470mm)	9.6" (244mm)	4.1" (103mm)	-	-	-	-
Pole Box	-	-	-	47.7"(1211mm)	6.2" (158mm)	3.8" (97mm)	47.2"(1200mm)



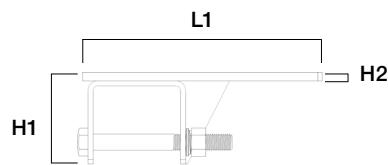
## SPQ-G2 SPORTS LIGHT

### DIMENSIONS (MOUNT)

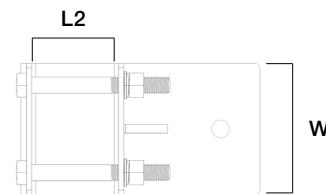
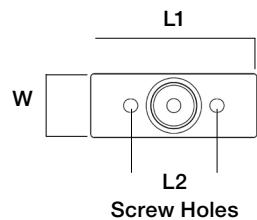
Model	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)
MOUNT-SPM-SBM	11.22" (285mm)	4.02" (102mm)	5.98" (152mm)	4.20" (107mm)	0.39" (10mm)



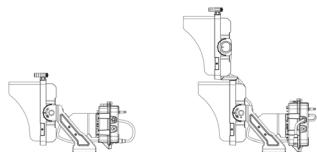
MOUNT-SPM-SF



MOUNT-SPM-SBM



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



Mounting	Yoke	Yoke
500W / 600W	1.820	
850W / 1200W		3.382

## SPQ-G2 SPORTS LIGHT

### PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	4000K		5000K	
			LUMEN	LPW	LUMEN	LPW
500W	100-277V, 480V	44	76213	152	76926	154
600W	100-277V, 480V	44	93543	156	94258	157
850W	100-277V, 480V	44	126453	149	127854	150
1200W	100-277V, 480V	44	183547	153	184027	153

### DLC CODE

Part Number	DLC Product ID	DLC Class
SPQ-G2-5004044-YMBKUD	S-SHL9WL	Premium
SPQ-G2-5004044-YMBKHD	S-Q1W135	Premium
SPQ-G2-5005044-YMBKUD	S-0FVJ9N	Premium
SPQ-G2-5005044-YMBKHD	S-GK20CY	Premium
SPQ-G2-6004044-YMBKHD	S-ZQ6323	Premium
SPQ-G2-6005044-YMBKHD	S-920YXC	Premium
SPQ-G2-8504044-YMBKHD	S-JPYPJZ	Premium
SPQ-G2-8505044-YMBKHD	S-1TWXON	Premium
SPQ-G2-12004044-YMBKHD	S-VC5DZ6	Premium
SPQ-G2-12005044-YMBKHD	S-6ZT1HV	Premium

## SPQ-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



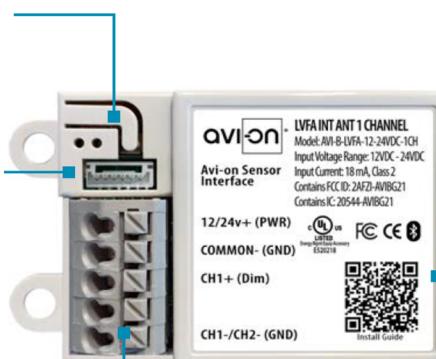
CONTROL-LVFA

## SPQ-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

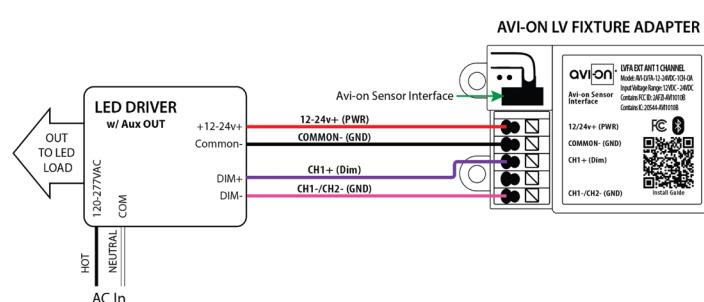
IC: 20544-AV11010 B

BQB: D031801, DID: 86303

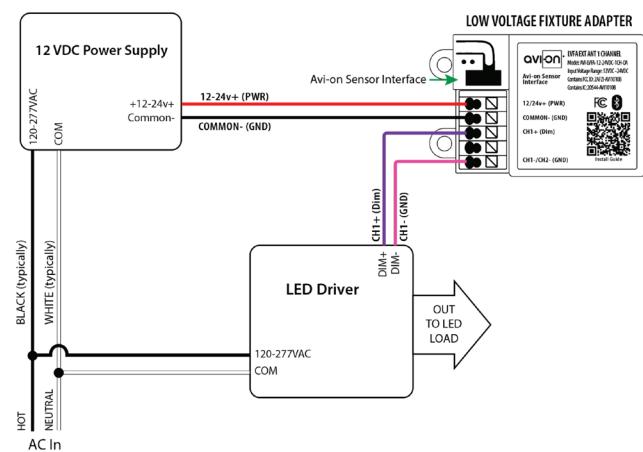
UL 916, 2043 (Plenum Rated)

\*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