

## 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.

### 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.

### 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.



500W / 600W



850W / 1200W



**synapse**

## 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								
A	SERIES							
	SPQ-G2	Modular Sports Light - Gen 2						
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
C	CCT							
	50	5000K (Default stock)			30	3000K (Made to order)		
					40	4000K (Made to order)		
D	DISTRIBUTION							
	44	NEMA 4H x 4V (Default stock)						
E	MOUNTING							
	YM	Yoke Mount						
F	FINISH							
	BK	Black Finish						
G	INPUT							
	HD	200-480V input, 1-10V Dimming (Standard)						
	UD	120-277V input, 1-10V Dimming (Optional)						
H	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						
	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

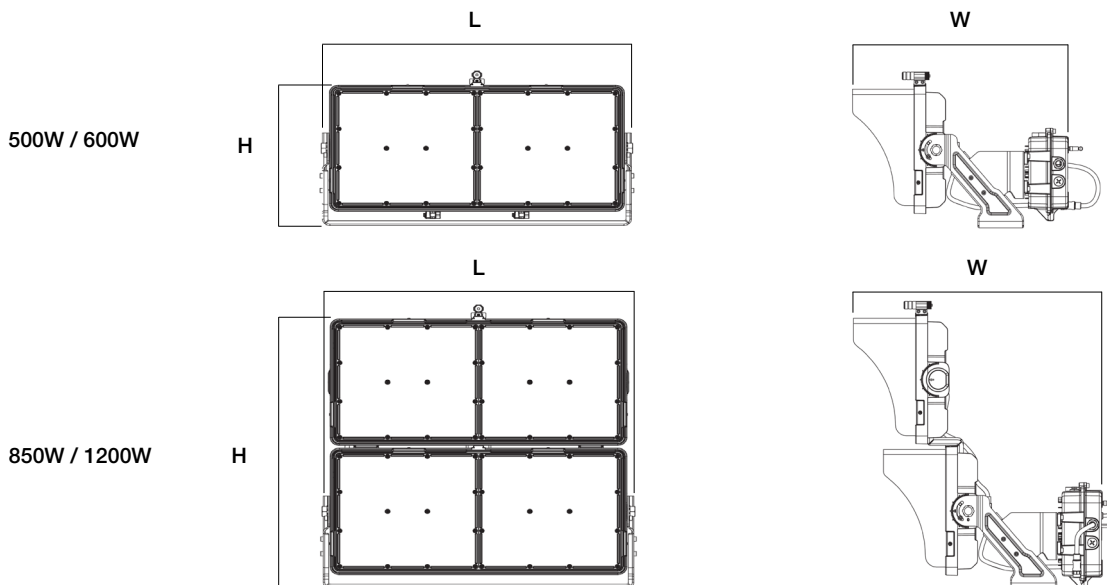
\*\*see page 7 for sensor spec

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

## SPQ-G2 SPORTS LIGHT

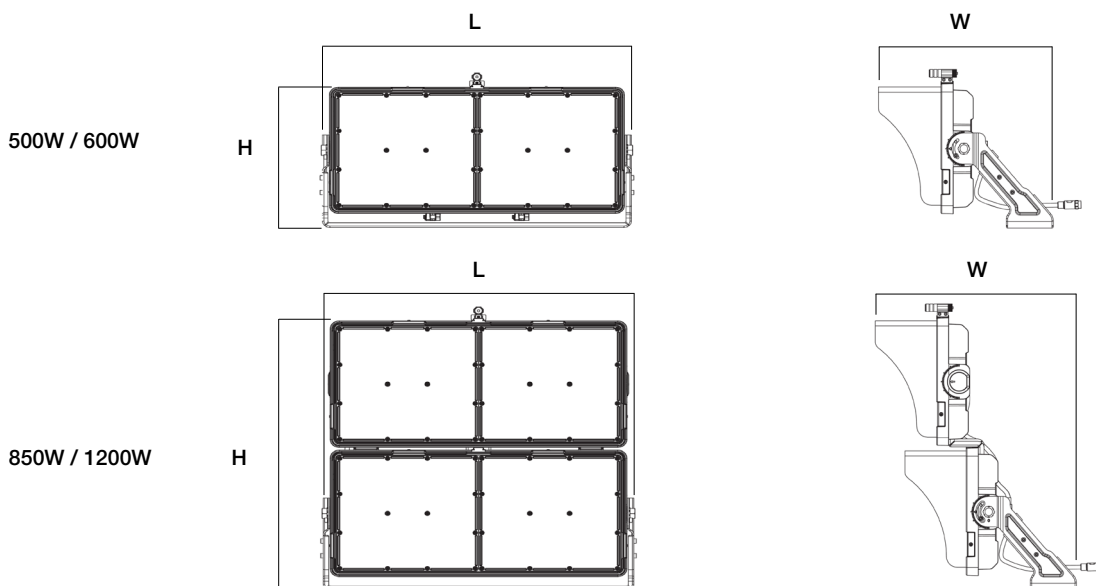
### DIMENSIONS (WITH POWER BOX ATTACHED)

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)

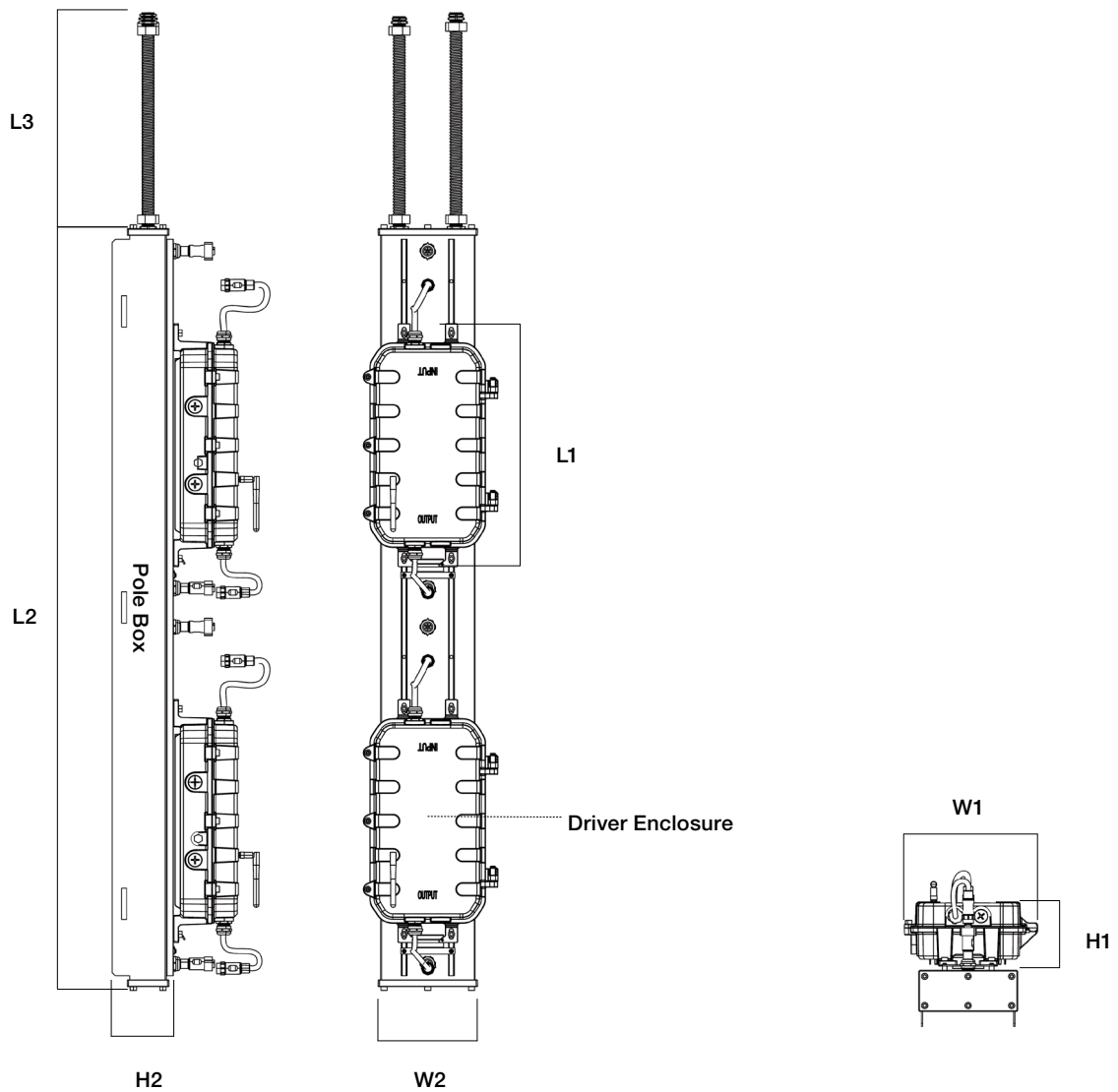
Model	L	W	H
500W / 600W	24.8" (631mm)	15.6" (396mm)	12.8" (326mm)
850W / 1200W	24.8" (631mm)	18.3" (464mm)	24.7" (627mm)



## 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)



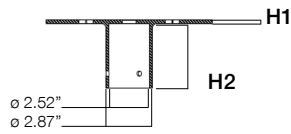
**SPQ-G2 SPORTS LIGHT**

**DIMENSIONS (MOUNT)**

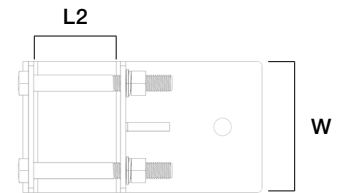
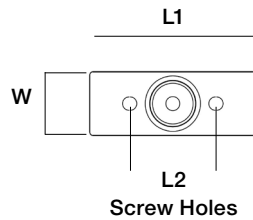
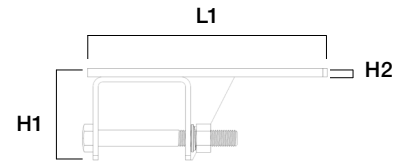
Model	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)
MOUNT-SPM-SBM	11.22" (285mm)	4.02" (102mm)	5.98" (152mm)	4.20" (107mm)	0.39" (10mm)



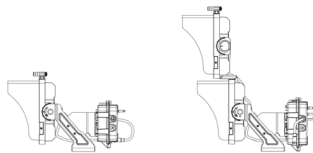
**MOUNT-SPM-SF**



**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-1TWX0N	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

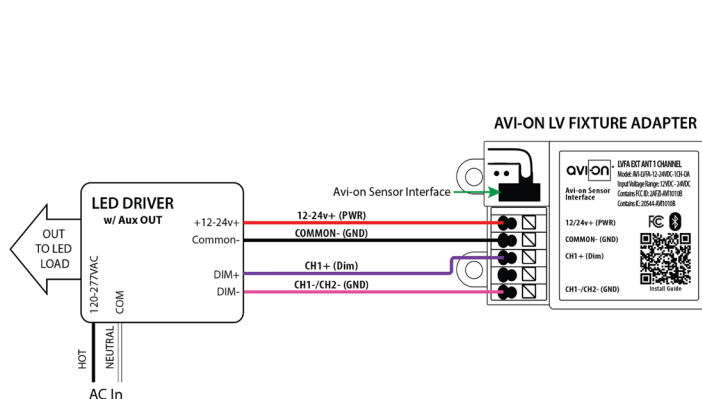
### SPECIFICATIONS

**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)

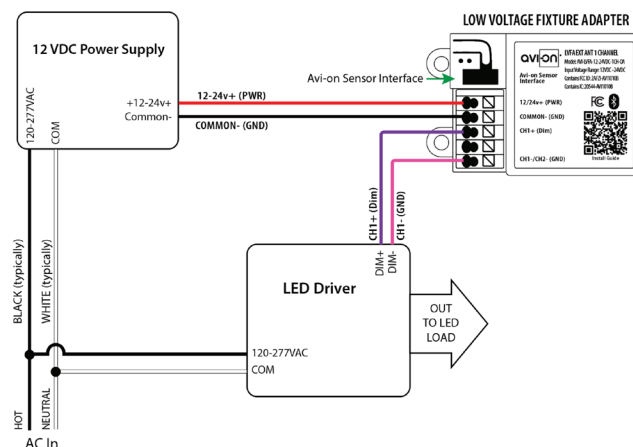
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 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



Fixture adapter powered by LED driver auxiliary output



Fixture adapter connected to LED driver and using power supply