

## 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<br>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 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

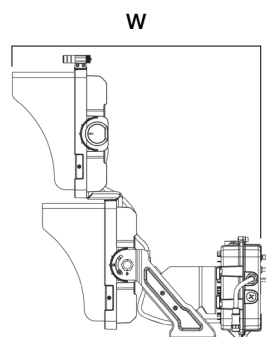
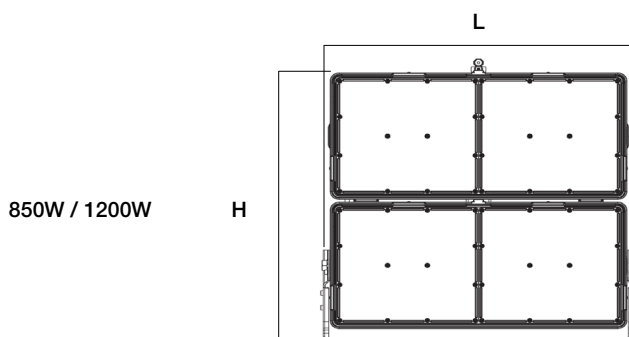
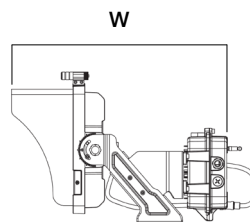
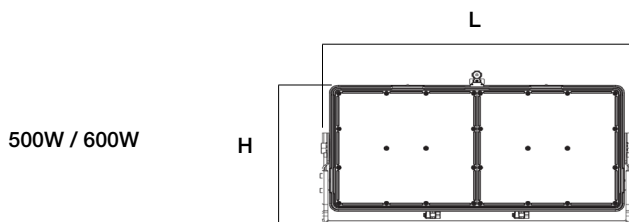
\*\*see page 7 for sensor spec

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

## SPQ-G2 SPORTS LIGHT

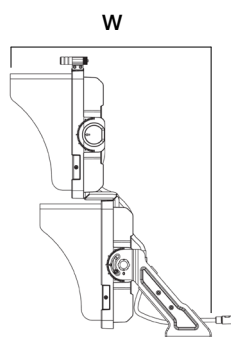
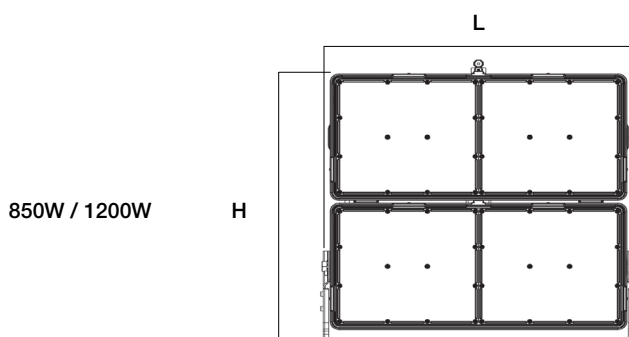
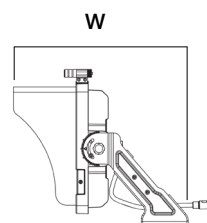
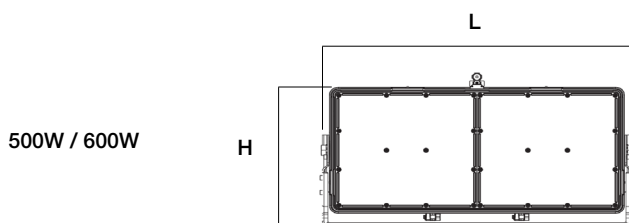
### DIMENSIONS (WITH POWER BOX ATTACHED)

| 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)

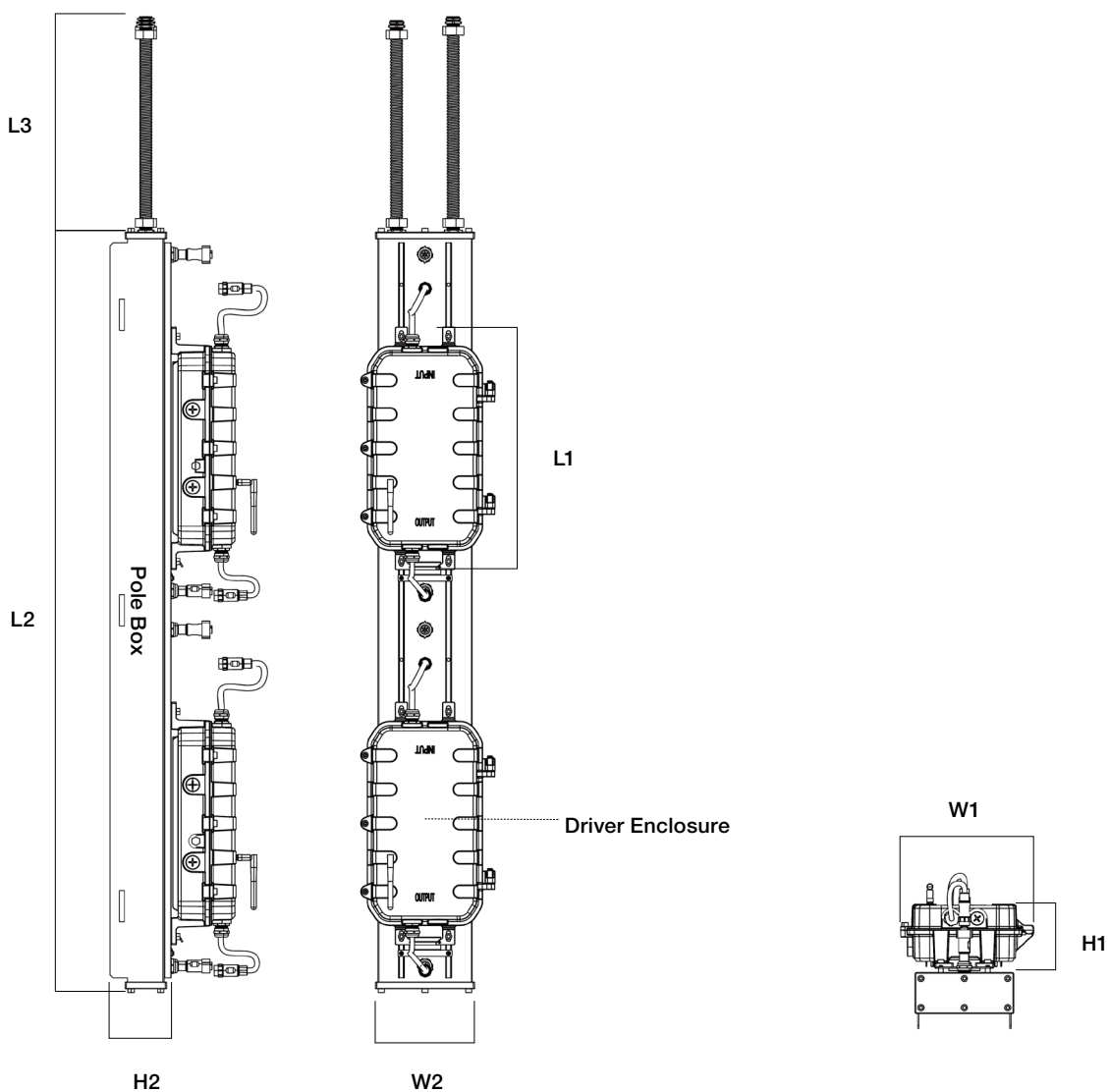
| Model        | L             | W             | H             |
|--------------|---------------|---------------|---------------|
| 500W / 600W  | 24.8" (631mm) | 15.6" (396mm) | 12.8" (326mm) |
| 850W / 1200W | 24.8" (631mm) | 18.3" (464mm) | 24.7" (627mm) |



## 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) |



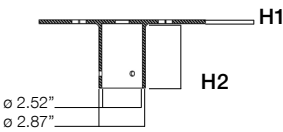
**SPQ-G2 SPORTS LIGHT**

**DIMENSIONS (MOUNT)**

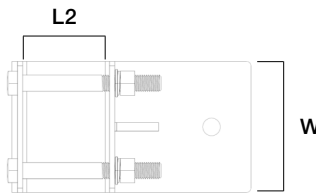
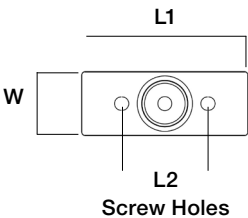
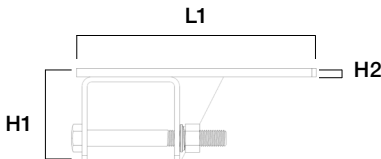
| Model         | L1             | L2            | W             | H1            | H2            |
|---------------|----------------|---------------|---------------|---------------|---------------|
| MOUNT-SPM-SF  | 10.31" (262mm) | 5.35" (136mm) | 3.94" (100mm) | 4.25" (108mm) | 4.21" (107mm) |
| MOUNT-SPM-SBM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



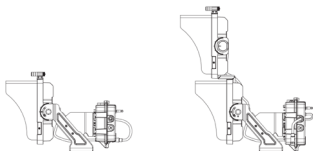
**MOUNT-SPM-SF**



**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            | Fixture    |          |          |        | Bluetooth Mesh               | AVI-ON                  |
| (see page 8 for detail) | Controller | -        | -        | 12V DC | On/Off/Dimming<br>Scheduling | Bluetooth<br>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

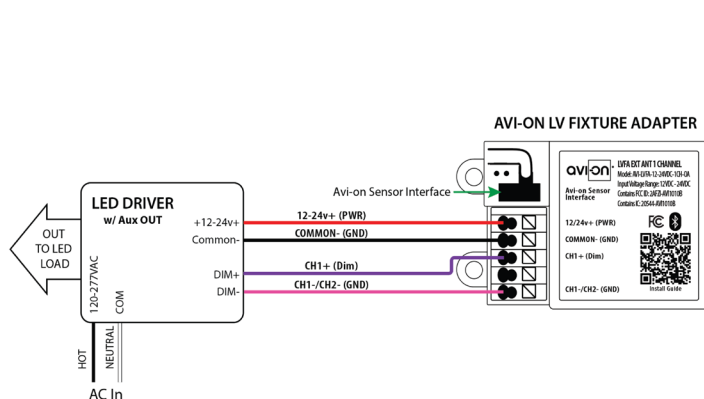
### SPECIFICATIONS

**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)

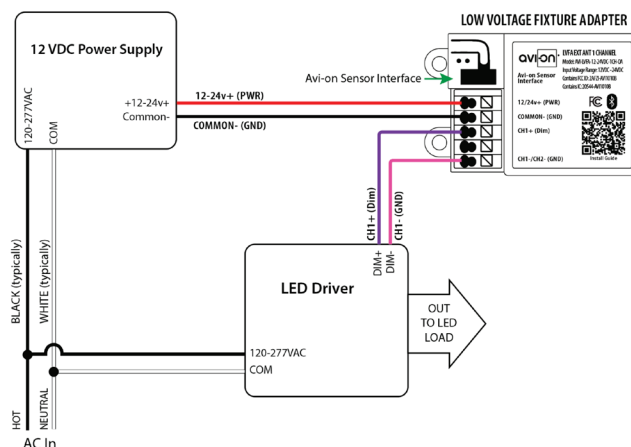
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years;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