

## SPQ SERIES SPORTS LIGHT

Client:  
 Project:  
 Type:  
 Quantity:

### CONSTRUCTION

Single-piece die-cast aluminum modular housing, dynamic thermal management design that maximizes heat dissipation, substantially increasing life of the luminaire. Available with single, duo or trio-module configuration to meet various project requirements. Low wind-load design, light weight, EPA friendly

### OPTICS

Precisely engineered optics aim light to uniformly illuminate the field  
 Available with 10, 15, 30, 60 Degree and NEMA Type II, IV, V distribution  
 Maximum delivered lumen upto 270,000  
 Optional light shield for less glare and light spill

### ELECTRICAL

-40°C minimum to +50°C maximum operating temperature  
 RoHS compliant electronic Class I drivers expected life of 100,000 hours  
 <1% failure rate  
 >.9 power factor  
 <20% total harmonic distortion  
 10kV surge protector

### CONTROL (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, 10° increment marking built on bracket offers precise horizontal and vertical aiming

### STANDARD FINISH

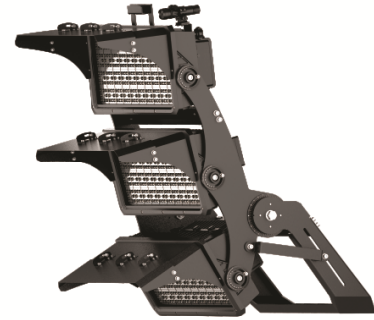
Black UV stabilized polyester powder paint finish.

### CERTIFICATION

Meets Buy America Act requirements.  
 IP65 Wet location label standard.  
 All luminaires are built to UL1598 standards and bear appropriate cETLus labels.  
 DLC® Premium (DesignLights Consortium Qualified).

### WARRANTY

5 year warranty, see Limited Warranty for additional information.



1500W / 1800W



400W / 500W / 600W

800W / 1000W / 1200W

### SHIPPING DATA

| Product  | Measurement        | Weight |
|----------|--------------------|--------|
| SPQ-400  | 27"L x 20"W x 11"H | 46 lb  |
| SPQ-500  | 27"L x 20"W x 11"H | 46 lb  |
| SPQ-600  | 27"L x 20"W x 11"H | 46 lb  |
| SPQ-800  | 37"L x 29"W x 13"H | 98 lb  |
| SPQ-1000 | 37"L x 29"W x 13"H | 98 lb  |
| SPQ-1200 | 37"L x 29"W x 13"H | 98 lb  |
| SPQ-1500 | 64"L x 30"W x 14"H | 137 lb |
| SPQ-1800 | 99"L x 30"W x 14"H | 137 lb |



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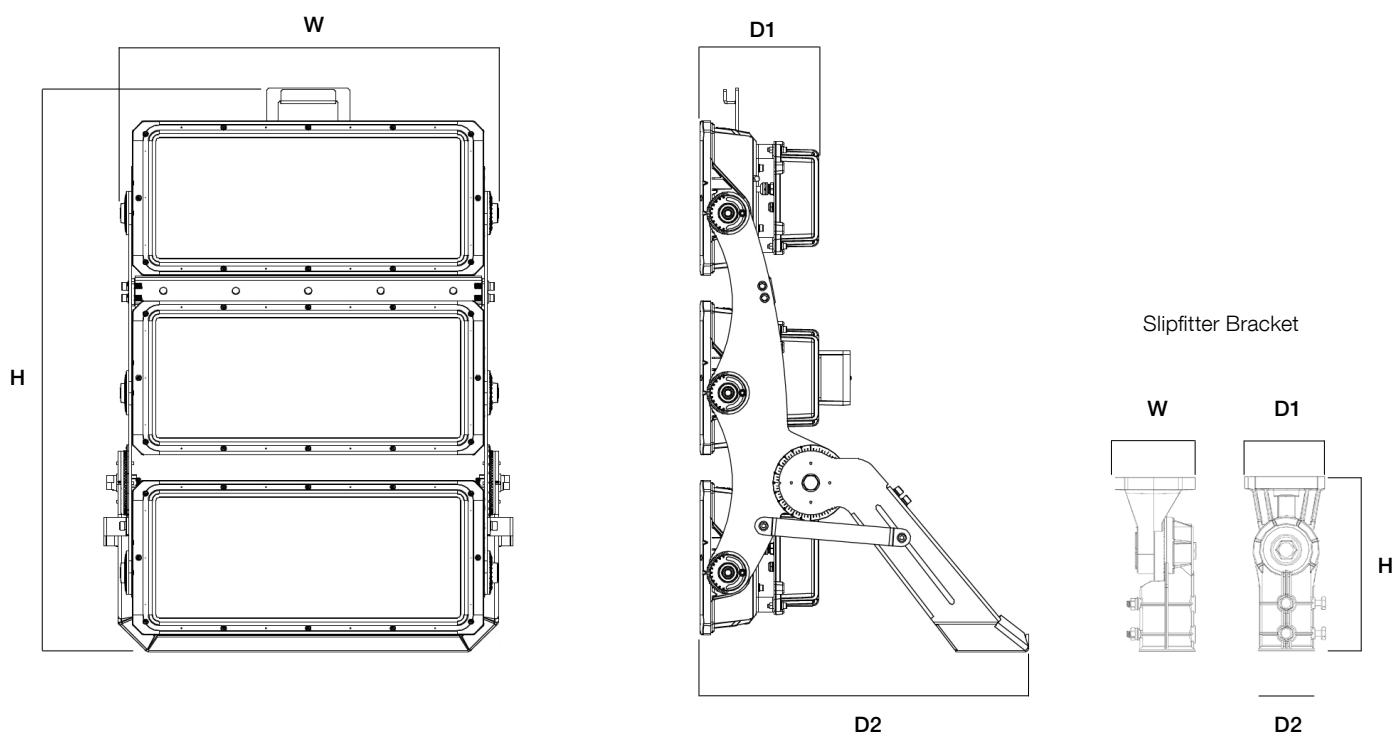
| ORDER INFORMATION      |                     |                                |                                      | EXAMPLE: SPQ 500 40 60 BK UNV |                                |            |
|------------------------|---------------------|--------------------------------|--------------------------------------|-------------------------------|--------------------------------|------------|
| Fixture                | Series              | Power & LM                     | CCT                                  | Distribution                  | Finish                         | Input      |
|                        | SPQ                 |                                |                                      |                               | BK                             |            |
| Mounting               |                     |                                |                                      |                               |                                |            |
| Accessories<br>Options |                     |                                |                                      |                               |                                |            |
| A                      | SERIES              |                                |                                      |                               |                                |            |
|                        | SPQ                 | Modular Sports Light           |                                      |                               |                                |            |
| B                      | POWER & LM          |                                |                                      |                               |                                |            |
|                        | Code                | Power                          | LPW (Avg.)                           | Code                          | Power                          | LPW (Avg.) |
|                        | 400                 | 400W, 62535lm                  | 156                                  | 1000                          | 1000W, 148,991lm               | 148        |
|                        | 500                 | 500W, 74691lm                  | 149                                  | 1200                          | 1200W, 188,409lm               | 157        |
|                        | 600                 | 600W, 91482lm                  | 152                                  | 1500                          | 1500W, 221,807lm               | 147        |
|                        | 800                 | 800W, 124667lm                 | 156                                  | 1800                          | 1800W, 264,410lm               | 146        |
| C                      | CCT                 |                                |                                      |                               |                                |            |
|                        | 40                  | 4000K                          |                                      |                               |                                |            |
|                        | 50                  | 5000K                          |                                      |                               |                                |            |
| D                      | DISTRIBUTION        |                                |                                      |                               |                                |            |
|                        | 10                  | 10°                            |                                      | T2                            | 117° x 34°                     |            |
|                        | 15                  | 15°                            |                                      | T4                            | 100° x 65°                     |            |
|                        | 30                  | 30°                            |                                      | T5                            | 90°                            |            |
|                        | 60                  | 60°                            |                                      |                               |                                |            |
| E                      | FINISH              |                                |                                      |                               |                                |            |
|                        | BK                  | Black Finish                   |                                      |                               |                                |            |
| F                      | INPUT               |                                |                                      |                               |                                |            |
|                        | UNV                 | 100-277V input                 |                                      | HVL                           | 249-528V input                 |            |
|                        | UNVD                | 100-277V input, 1-10V dimmable |                                      | HVLD                          | 249-528V input, 1-10V dimmable |            |
| G                      | MOUNTING            |                                |                                      |                               |                                |            |
|                        | MOUNT-SPQ-YM-BK     |                                | Yoke Mount                           |                               |                                |            |
|                        | MOUNT-SPQ-SF-BK     |                                | Slipfitter Mount                     |                               |                                |            |
| H                      | ACCESSORIES/OPTIONS |                                |                                      |                               |                                |            |
|                        | AIA                 |                                | Assembled in America                 |                               |                                |            |
|                        | SHIELD-SPQ-BK       |                                | Glare Shield for SPQ                 |                               |                                |            |
|                        | LASER-SPQ           |                                | Laser Pointer for Aiming Purpose     |                               |                                |            |
|                        | CONTROL-LVFA*       |                                | AVI-ON Bluetooth Mesh Control System |                               |                                |            |

\*see page 5 for sensor spec

## SPQ SERIES SPORTS LIGHT

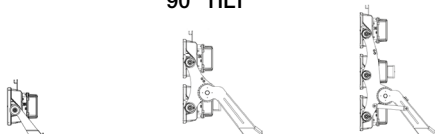
### DIMENSIONS

| Model              | Module | H              | W              | D1            | D2             |
|--------------------|--------|----------------|----------------|---------------|----------------|
| 400W/500W/600W     | 1      | 15.08" (383mm) | 24.58" (625mm) | 7.89" (200mm) | 9.62" (244mm)  |
| 800W/1000W/1200W   | 2      | 27.00" (686mm) | 24.58" (625mm) | 7.73" (196mm) | 20.52" (521mm) |
| 1500W/1800W        | 3      | 36.74" (933mm) | 24.58" (625mm) | 7.73" (196mm) | 21.43" (544mm) |
| Slipfitter Bracket |        | 10.28" (261mm) | 4.91" (125mm)  | 4.91" (125mm) | Ø 2.50" (64mm) |

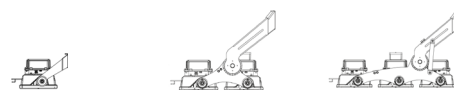


### EPA

#### 90° TILT



#### 0° TILT



| Mounting    | Yoke        | Yoke        | Yoke         | Yoke | Yoke        | Yoke         |
|-------------|-------------|-------------|--------------|------|-------------|--------------|
| 400W-600W   | 2.31 (43lb) |             |              |      | 1.88 (43lb) |              |
| 800W-1200W  |             | 4.24 (96lb) |              |      | 1.88 (96lb) |              |
| 1500W-1800W |             |             | 6.17 (135lb) |      |             | 1.88 (135lb) |

## SPQ SERIES SPORTS LIGHT

### PERFORMANCE DATA

| SYSTEM WATTS | VOLTAGE  | DIST. TYPE | LUMEN  | LPW |
|--------------|----------|------------|--------|-----|
| 400W         | 100-277V | 10°        | 52573  | 131 |
|              | 100-277V | 15°        | 51550  | 129 |
|              | 100-277V | 30°        | 62535  | 156 |
|              | 100-277V | 60°        | 63355  | 158 |
|              | 100-277V | 90°        | 62481  | 156 |
|              | 100-277V | T2         | 56564  | 141 |
| 500W         | 100-277V | 10°        | 60568  | 121 |
|              | 100-277V | 15°        | 65596  | 131 |
|              | 100-277V | 30°        | 74691  | 149 |
|              | 100-277V | 60°        | 76085  | 152 |
|              | 100-277V | 90°        | 75380  | 151 |
|              | 100-277V | T2         | 68457  | 137 |
| 600W         | 100-277V | 10°        | TBD    | TBD |
|              | 100-277V | 15°        | TBD    | TBD |
|              | 100-277V | 30°        | 91482  | 152 |
|              | 100-277V | 60°        | 93195  | 155 |
|              | 100-277V | 90°        | 91929  | 153 |
|              | 100-277V | T2         | 83963  | 140 |
| 800W         | 100-277V | 10°        | 105274 | 132 |
|              | 100-277V | 15°        | 113348 | 142 |
|              | 100-277V | 30°        | 124667 | 156 |
|              | 100-277V | 60°        | 123382 | 154 |
|              | 100-277V | 90°        | 124228 | 155 |
|              | 100-277V | T2         | 112552 | 141 |
| 1000W        | 100-277V | 10°        | 122655 | 123 |
|              | 100-277V | 15°        | 134072 | 134 |
|              | 100-277V | 30°        | 148000 | 148 |
|              | 100-277V | 60°        | 147158 | 147 |
|              | 100-277V | 90°        | 146669 | 147 |
|              | 100-277V | T2         | 135942 | 136 |
| 1200W        | 100-277V | 10°        | TBD    | TBD |
|              | 100-277V | 15°        | TBD    | TBD |
|              | 100-277V | 30°        | 188409 | 157 |
|              | 100-277V | 60°        | 191878 | 160 |
|              | 100-277V | 90°        | 191168 | 159 |
|              | 100-277V | T2         | 168616 | 141 |
| 1500W        | 100-277V | 10°        | 180148 | 120 |
|              | 100-277V | 15°        | 197155 | 131 |
|              | 100-277V | 30°        | 221807 | 148 |
|              | 100-277V | 60°        | 221272 | 148 |
|              | 100-277V | 90°        | 228629 | 152 |
|              | 100-277V | T2         | 204226 | 136 |
| 1800W        | 100-277V | 10°        | TBD    | TBD |
|              | 100-277V | 15°        | 243792 | 135 |
|              | 100-277V | 30°        | 264410 | 147 |
|              | 100-277V | 60°        | 279556 | 155 |
|              | 100-277V | 90°        | 274923 | 153 |
|              | 100-277V | T2         | 254255 | 141 |

**SPQ SERIES** SPORTS LIGHT

## SENSOR SPEC

| Model                                   | Type                  | Mounting | Coverage | Input  | Function                                       | Programmable                      |
|-----------------------------------------|-----------------------|----------|----------|--------|------------------------------------------------|-----------------------------------|
| CONTROL-LVFA<br>(see page 6 for detail) | Fixture<br>Controller | -        | -        | 12V DC | Bluetooth Mesh<br>On/Off/Dimming<br>Scheduling | AVI-ON<br>Bluetooth<br>Mobile App |



CONTROL-LVFA

## SPQ SERIES SPORTS LIGHT

### CONTROL-LVFA SPEC

#### Status LEDs & Config Button

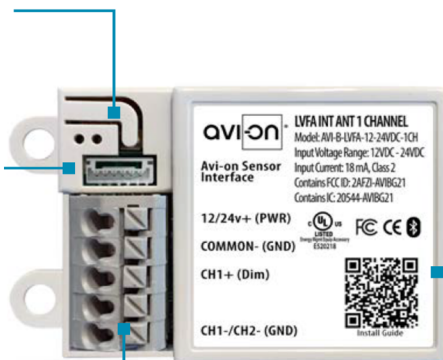
Quick and easy validation of wiring and network

#### 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

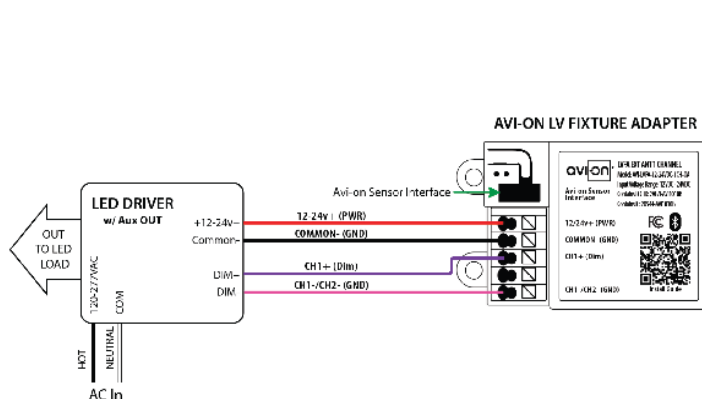
### SPECIFICATIONS

**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)

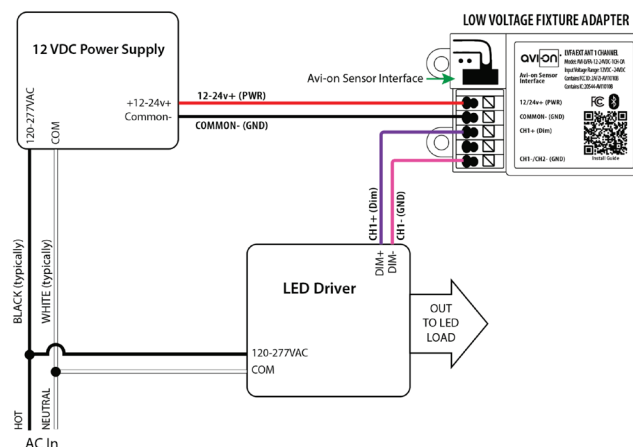
**RADIO FREQUENCY:** 2.4GHz  
**WIRELESS STANDARD:** BLE 4.2 with Mesh  
**POINT TO POINT RANGE\*:** 80ft with obstructions  
 350ft unobstructed  
**SECURITY:** AES 128-bit encryption for device to device communication  
 AES 256-bit encryption for device to cloud communication  
**WARRANTY:** 5 years; 10 years optional  
**REGULATORY:** FCC: 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