

SPM SERIES SPORTS LIGHT

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Sealed die casting body, low profile 3G vibration rated impact design. Driver enclosure is completely sealed against moisture and environmental contaminants. Low wind-low design, light weight, EPA friendly.



OPTICS

Available in NEMA 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 5000K (70+ CRI) configurations. Scalable lumen package from 50,000 to 117,700 lumens.



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. Optional 1-10V dimmable driver.

SENSOR / CONTROLLER

Optional: LASER-SPM - Laser Aiming Device.
Optional: CONTROL-AVI-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.

SHIPPING DATA

| Product | Measurement | Weight |
|---------------|--------------------|--------|
| SPM-500 / 600 | 30"L x 20"W x 22"H | 65 lb |
| SPM-850 | 30"L x 25"W x 22"H | 72 lb |

STANDARD FINISH

Black UV stabilized polyester powder paint finish.

CERTIFICATION

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.
Option for 10 year warranty, see "Options" on Pg 2.



synapse

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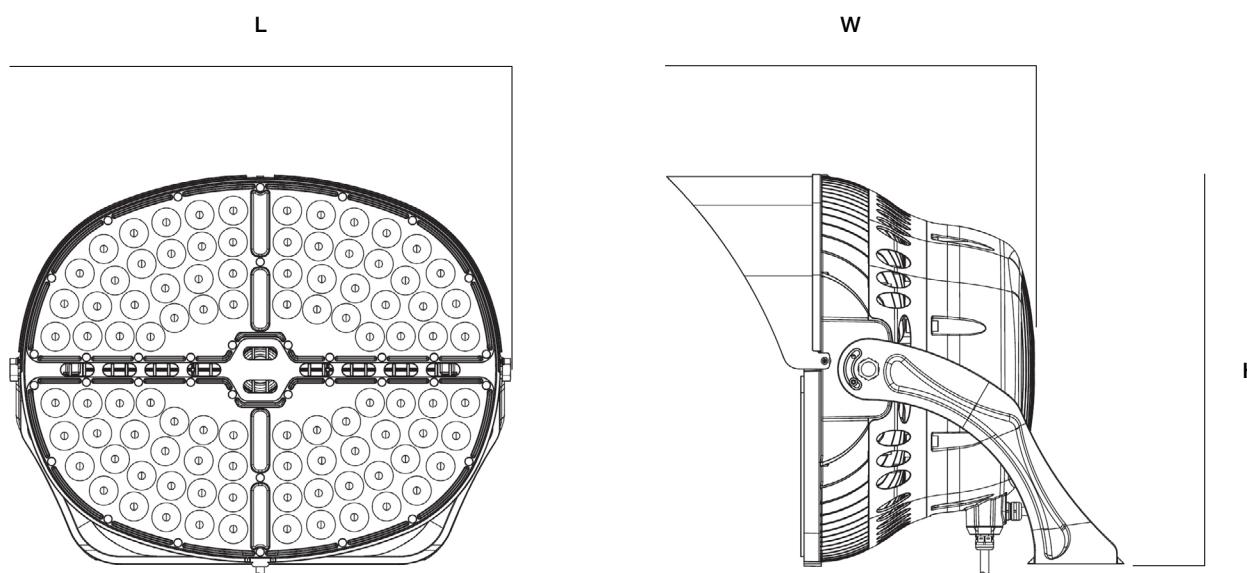
| ORDER INFORMATION | | | | EXAMPLE: SPM 600 40 44 YM BK UD | | | | | | | | | | | | | |
|--------------------|--|--------------|-----|---------------------------------|-----------|-----------|-------|--|--|--|--|--|--|--|--|--|--|
| Fixture | Series | Power & LM | CCT | Distribution | Mounting | Finish | Input | | | | | | | | | | |
| | SPM | | | 44 | YM | BK | | | | | | | | | | | |
| Accessories | | | | | | | | | | | | | | | | | |
| Options | | | | | | | | | | | | | | | | | |
| A | SERIES | | | | | | | | | | | | | | | | |
| | SPM | Sports Light | | | | | | | | | | | | | | | |
| B | POWER & LM | | | | | | | | | | | | | | | | |
| CODE | POWER | LPW (AVG.) | | | | | | | | | | | | | | | |
| 500 | 500W, 70168lm | 139 | | | | | | | | | | | | | | | |
| 600 | 600W, 86876lm | 145 | | | | | | | | | | | | | | | |
| 850 | 850W, 117690lm | 139 | | | | | | | | | | | | | | | |
| C | CCT | | | | | | | | | | | | | | | | |
| 40 | 4000K - made to order, consult factory | | | | | | | | | | | | | | | | |
| 50 | 5000K | | | | | | | | | | | | | | | | |
| D | DISTRIBUTION | | | | | | | | | | | | | | | | |
| 44 | NEMA 4H x 4V | | | | | | | | | | | | | | | | |
| E | MOUNTING | | | | | | | | | | | | | | | | |
| YM | Yoke Mount | | | | | | | | | | | | | | | | |
| F | FINISH | | | | | | | | | | | | | | | | |
| BK | Black Finish | | | | | | | | | | | | | | | | |
| G | INPUT | | | | | | | | | | | | | | | | |
| HD | 347-480V input, 1-10V Dimming (Standard) | | | | | | | | | | | | | | | | |
| UD | 110-277V input, 1-10V Dimming (Optional) | | | | | | | | | | | | | | | | |
| H | ACCESSORIES/OPTIONS | | | | | | | | | | | | | | | | |
| AIA | Assembled in America, compliant with BAA (COTS) | | | | | | | | | | | | | | | | |
| LASER-SPM | Laser aiming device | | | | | | | | | | | | | | | | |
| X | 10-Year Warranty | | | | | | | | | | | | | | | | |
| MOUNT-SPM-SF | Yoke mount to Slipfitter Adapter | | | | | | | | | | | | | | | | |
| MOUNT-SPM-SBM | Square Beam Bracket | | | | | | | | | | | | | | | | |
| SURGE-LSP4-H | 10kV inline Surge Protection for Universal input 480V | | | | | | | | | | | | | | | | |
| CONTROL-LVFA* | AVI-ON Bluetooth Mesh Control System | | | | | | | | | | | | | | | | |
| SYNAPSE | Synapse Wireless ProFX Lighting Control System (Consult factory) | | | | | | | | | | | | | | | | |

*see page 5 for sensor spec

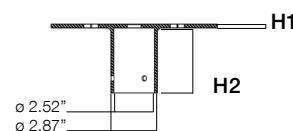
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DIMENSIONS

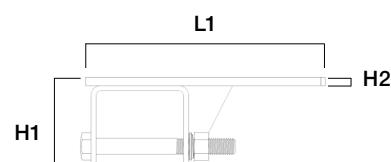
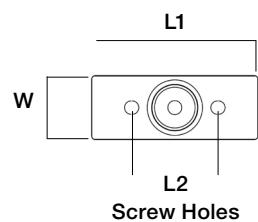
| Model | L | W | H |
|-------------|----------------|----------------|----------------|
| 500W / 600W | 20.60" (523mm) | 15.20" (386mm) | 16.30" (414mm) |
| 850W | 23.80" (606mm) | 17.46" (444mm) | 18.50" (467mm) |



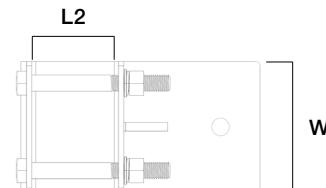
| Model | L1 | L2 | W | H1 | H2 |
|---------------|----------------|---------------|---------------|---------------|---------------|
| MOUNT-SPM-SF | 10.31" (262mm) | 5.35" (136mm) | 3.94" (100mm) | 4.25" (108mm) | 4.21" (107mm) |
| MOUNT-SPM-SBM | 11.22" (285mm) | 4.02" (102mm) | 5.98" (152mm) | 4.20"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



MOUNT-SPM-SF



MOUNT-SPM-SBM



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EPA (ft²)



| Mounting | Yoke | Yoke |
|-------------|-------|-------|
| 500W / 600W | 2.332 | |
| 850W | | 3.052 |

PERFORMANCE DATA

| SYSTEM WATTS | VOLTAGE | DIST. TYPE | 4000K | | 5000K | | QTY ON PALLET |
|--------------|----------------|------------|--------|-----|--------|-----|---------------|
| | | | LUMEN | LPW | LUMEN | LPW | |
| 500W | 100-277V, 480V | 44 | 68226 | 135 | 70168 | 139 | 12 |
| 600W | 100-277V, 480V | 44 | 84652 | 141 | 86876 | 145 | 12 |
| 850W | 100-277V, 480V | 44 | 110520 | 130 | 117690 | 139 | 10 |

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DLC CODE

| Part Number | DLC Part Number | DLC Class |
|---------------------------------|----------------------|-----------|
| SPM - 500 40 44 - XX BK UD / HD | Product ID: S-SN2JV4 | Premium |
| SPM - 500 50 44 - XX BK UD / HD | Product ID: S-93K4P7 | Premium |
| SPM - 600 40 44 - XX BK UD / HD | Product ID: S-9CNPT1 | Premium |
| SPM - 600 50 44 - XX BK UD | Product ID: S-LXV3Q8 | Premium |
| SPM - 600 50 44 - XX BK HD | Product ID: S-GNKBZH | Premium |
| SPM - 850 40 44 - XX BK HD | Product ID: S-YPZ1TT | Premium |
| SPM - 850 50 44 - XX BK HD | Product ID: S-2GYJGR | Premium |

SENSOR SPEC

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



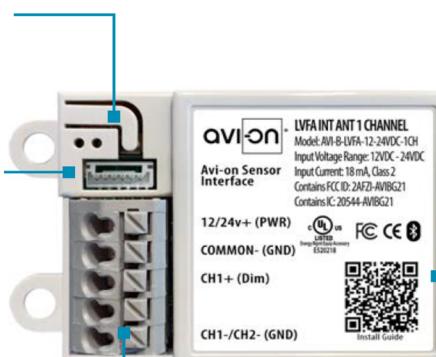
CONTROL-LVFA

SPM SERIES SPORTS LIGHT

CONTROL-AVI-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

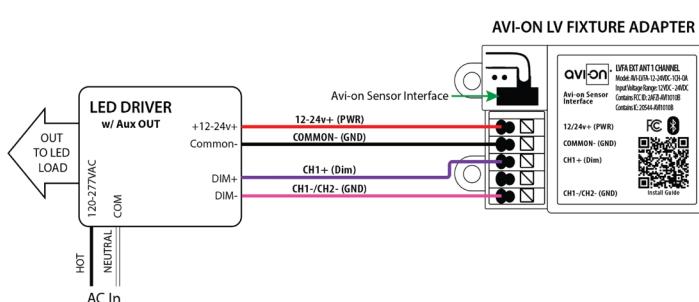
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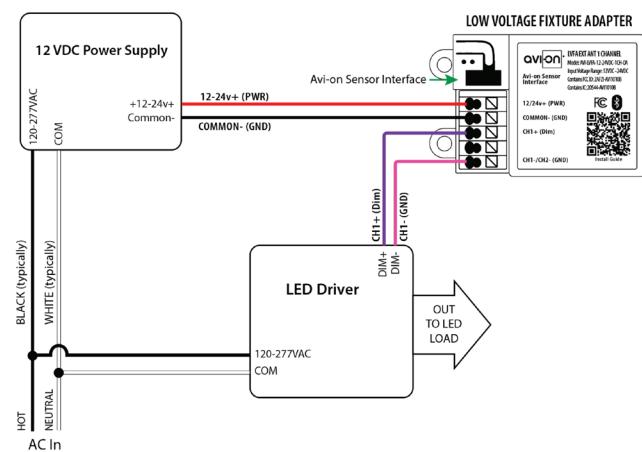
UL 916, 2043 (Plenum Rated)

*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