

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, and 90 Degree and NEMA Type II distribution. Maximum delivered lumen up to 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.
 Synapse Wireless ProFX Lighting Control System.

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



synapse

SPQ SERIES SPORTS LIGHT

ORDER INFORMATION				EXAMPLE: SPQ 500 40 60 BK UNV		
Fixture	Series	Power & LM	CCT	Distribution	Finish	Input
	SPQ				BK	
Mounting						
Accessories						
Options						

A SERIES

SPQ Modular Sports Light

B POWER & LM

Code	Power	LPW (Avg.)
400	400W, 62535lm	156
500	500W, 74691lm	149
600	600W, 91482lm	152
800	800W, 124667lm	156
1000	1000W, 148,991lm	148
1200	1200W, 188,409lm	157
1500	1500W, 221,807lm	147
1800	1800W, 264,410lm	146

C CCT

40	4000K
50	5000K

D DISTRIBUTION

10	10°	T2	117° x 34°
15	15°		
30	30°		
60	60°		
90	90°		

E FINISH

BK Black Finish

SPQ SERIES SPORTS LIGHT

F INPUT

UD	110-277V input, 1-10V dimmable
HD	347-480V, 0-10V dimmable

G MOUNTING

MOUNT-SPQ-YM2-BK	Yoke Mount
MOUNT-SPQ-SF2-BK	Slipfitter Mount

H ACCESSORIES/OPTIONS

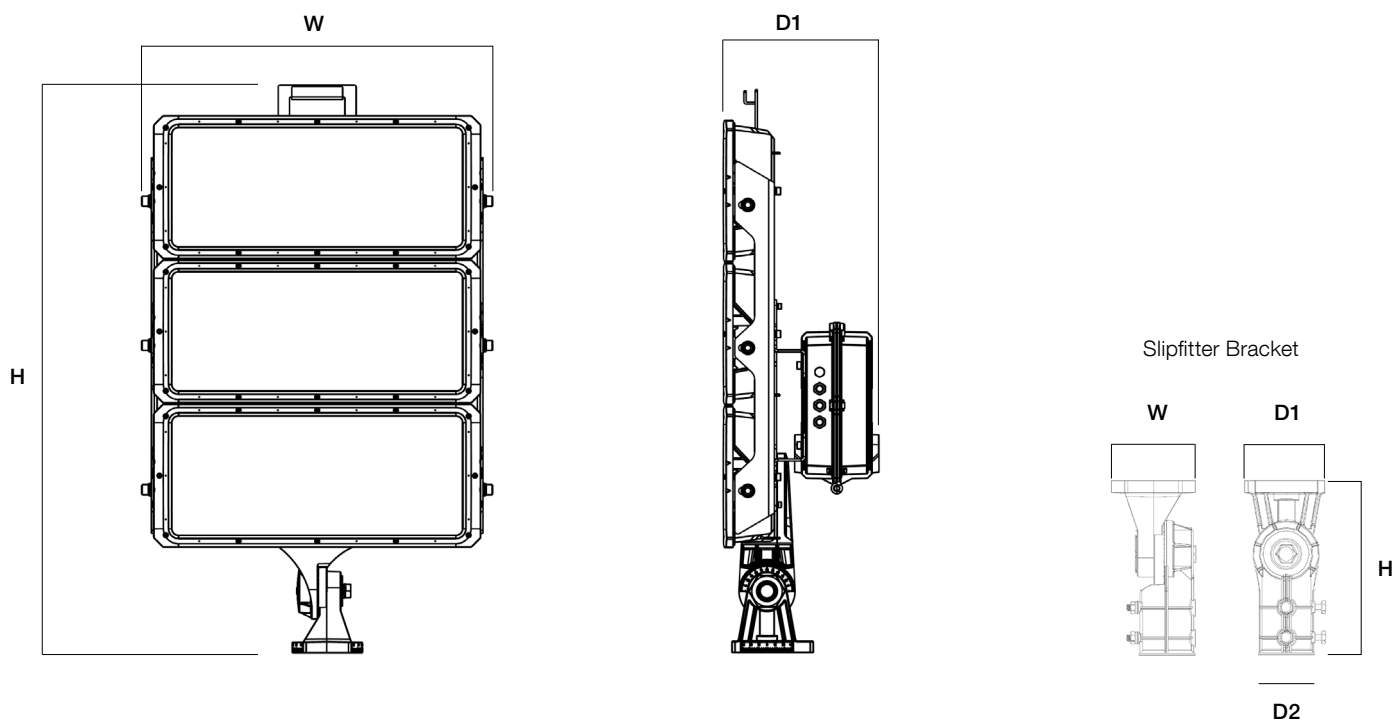
BAA	Assembled in America
SHIELD-SPQ-BK	Glare Shield for SPQ
LASER-SPQ	Laser Pointer for Aiming Purpose
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System
SYNAPSE	Synapse Wireless ProFX Lighting Control System (Consult factory)

*see page 5 for sensor spec

SPQ SERIES SPORTS LIGHT

DIMENSIONS

Model	Module	H	W	D1	D2
400W/500W/600W	1	21.22" (539mm)	22.99" (584mm)	7.76" (197mm)	-
800W/1000W/1200W	2	31.34" (796mm)	24.61" (625mm)	10.89" (276mm)	-
1500W/1800W	3	41.46" (1053mm)	24.61" (625mm)	10.89" (276mm)	-
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 (see page 6 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth 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

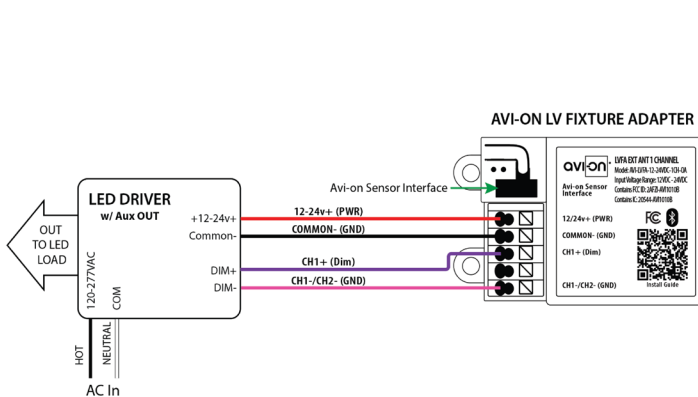
SPECIFICATIONS

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)

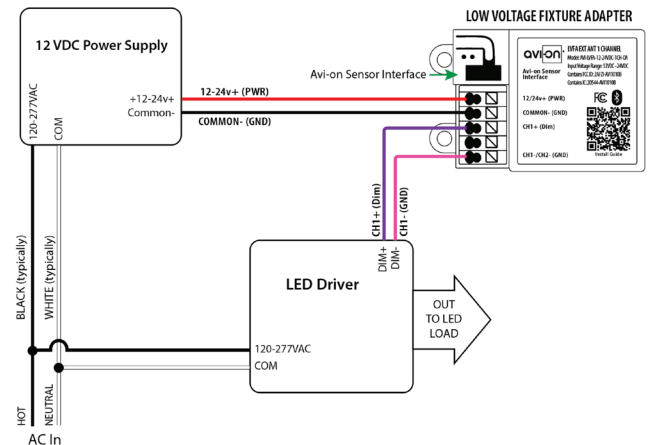
RADIO FREQUENCY: 2.4GHz
WIRELESS STANDARD: BLE 4.2 with Mesh
POINT TO POINT RANGE*: 80ft with obstructions
 350ft unobstructed
SECURITY: AES 128-bit encryption for device to device communication
 AES 256-bit encryption for device to cloud communication
WARRANTY: 5 years; 10 years optional
REGULATORY: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