

SPG SERIES MULTI-SPORT

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-low design, light weight, EPA friendly.



SPG-320

OPTICS

Precisely engineered optics aim light to uniformly illuminate the field. Available with 20, 30, 60, 90 Degree and NEMA 6H x 4V distribution. Maximum delivered lumen up to 51,200LM. Optional light shield for glare control and prevent light spill.



SPG-240 w/SHIELD

SPG-240 w/SF Mount

ELECTRICAL

-40°C minimum to +50°C maximum operating temperature. Standard 120-277V Universal input 0-10V Dimming driver. RoHS compliant electronic Class I drivers expected life of 100,000 hours <1% failure rate, >.9 power factor, <20% total harmonic distortion. Optional 10kV surge protector. Optional 347-480V input 0-10V Dimming driver.

CONTROL (OPTIONAL)

CONTROL-AVI-ON Bluetooth Mesh Controller. Synapse Wireless ProFX Lighting Control System

SHIPPING DATA

Product	Measurement	Weight
SPG-240	15" L x 11" W x 8" H	15 lb
SPG-320	28" L x 11" W x 8" H	20 lb

MOUNTING

Standard equipped with 30° tilttable trunnion mount (TR) for surface mount application.

Optional slipfitter for 2-3/8" tenon (SF)

STANDARD FINISH

Black UV stabilized polyester powder paint finish. Optional Corrosion Resistant Package (CRP): Stainless steel bracket and fasteners, housing treated with E-coating and corrosion resistant paint.

CERTIFICATION

Meets Buy America Act requirements. IP66 Wet location label standard. ANSI C136.31-2018 3G Vibration Tested. 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.



SYNAPSE

SPG SERIES MULTI-SPORT

ORDER INFORMATION				EXAMPLE: SPG 240 40 60 BK UNVD												
Fixture	Series	Power & LM	CCT	Distribution	Finish	Input										
	SPG															
Mounting																
Accessories																
Options																
A	SERIES															
SPG	Multi-Sport Luminaire															
B	POWER & LM															
Code	Power	LPW (Avg.)														
240	240W, 38,400LM	160														
320	320W, 51,200LM	160														
C	CCT															
40	4000K															
50	5000K															
D	DISTRIBUTION															
20	20°	90		90°												
30	30°	N64		100° H x 60° V												
60	60°															
E	FINISH															
BK	Black Finish															
BK-CRP	Corrosion Resistant Package: Stainless Steel bracket & fasteners, housing treated with E-coating and corrosion resistant paint															
F	INPUT															
UNVD	100-277V input, 1-10V dimmable	HVLD		347-480V input, 1-10V dimmable												
G	MOUNTING															
TR	Standard 30° Tilttable Trunnion Mount															
TR70	70° Tilttable Trunnion Mount															
MOUNT-SF	Slipfitter															
H	ACCESSORIES/OPTIONS															
AIA	Assembled in America, compliant with BAA (COTS)															
SHIELD-SPG-A-BK	2-Piece Glare Shield (front and back) for SPG-240 model (Shield tiltable up to 60DEG)															
SHIELD-SPG-B-BK	2-Piece Glare Shield (front and back) for SPG-320 model (Shield tiltable up to 60DEG)															
LASER-SPQ	Laser Pointer for Aiming Purpose															
SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / U: 120-277V, H: 480V input															
CONTROL-LVFA*	AVI-ON Bluetooth Mesh Control System															
SYNAPSE	Synapse Wireless ProFX Lighting Control System (Consult factory)															

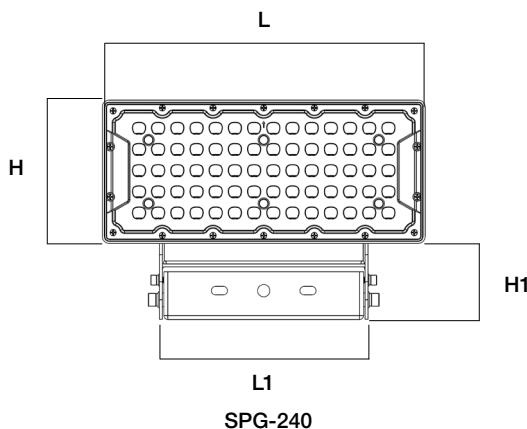
*see page 4 for CONTROL spec

SPG SERIES MULTI-SPORT

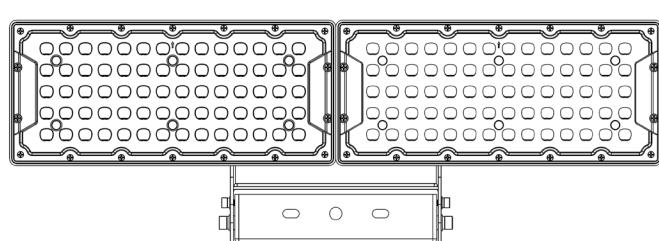
DIMENSIONS

Model	Module	L	L1	H	H1	W	H2	ID
SPG-240	1	12.91" (328mm)	-	5.73" (146mm)	-	4.62" (117mm)	-	-
SPG-320	2	21.75" (553mm)	-	5.73" (146mm)	-	4.62" (117mm)	-	-
TR / TR70	-	-	8.35" (212mm)	-	3.04" (77mm)	-	-	-
SF / SF70	-	-	-	-	-	-	6.32" (160mm)	Ø 2.48" (63mm)

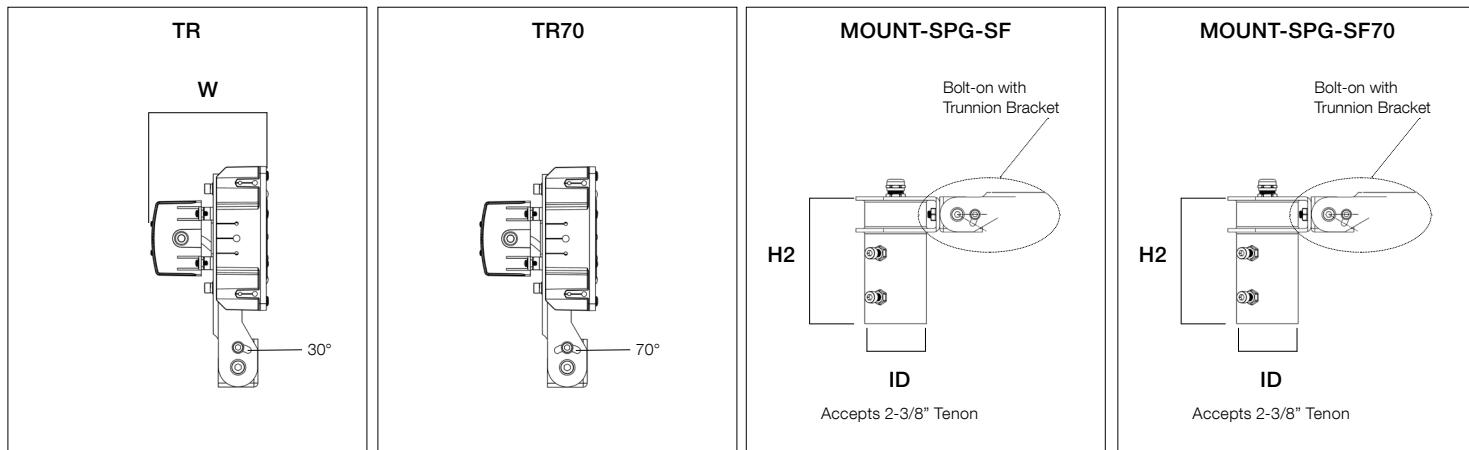
Attach to Trunnion Mount



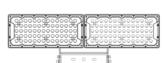
SPG-240



SPG-320



EPA



SPG-150/200/240 0.513

SPG-320 0.865

SPG SERIES MULTI-SPORT

CONTROL SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-LVFA (see page 5 for detail)	Fixture Controller	-	-	12V DC	Bluetooth Mesh On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



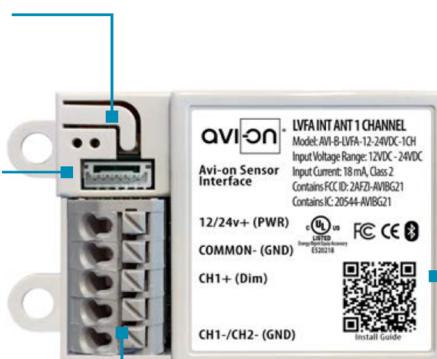
CONTROL-LVFA

SPG SERIES MULTI-SPORT

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

5 years; 10 years optional

WARRANTY:

FCC: 2AFZ1-AV11010 B

REGULATORY:

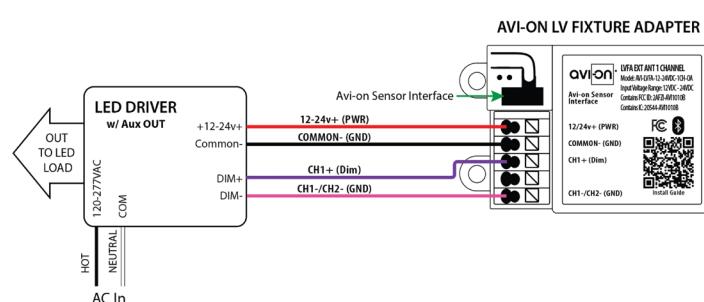
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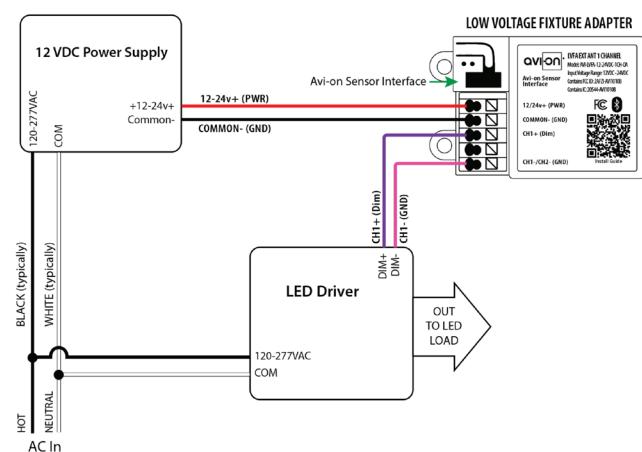
UL 916, 2043 (Plenum Rated)

*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