Atlas Lighting Products®

PATRIOT Sports Lighting

PROJECT INFORMATION

JOB NAME	
FIXTURE TYPE	Sports Light
CATALOG NUMBER	SPT
APPROVED BY	

Also available without Round Housing Shroud
Add suffix LS

MANUFACTURED & TESTED IN USA

DLC LISTED PREMIUM

ETL LISTED

5 YEAR WARRANTY

BAA BUY AMERICAN ACT

SPECIFICATIONS

Construction:

- Rugged die-cast aluminum housing in the 450, 550 and cold forged aluminum in the 750 for superior heat dissipation.
- Driver is separated from light engines increasing driver and LED life.
- Housing shroud is formed aluminum.
- Mounting Brackets are 12 ga formed steel.
- Fixtures are finished with polyester powder coat finishing process to withstand extreme weather changes without cracking or peeling.
- Shipping weight (in carton) - 42 lbs (19 kg).

Optical System:

- State-of-the-Art sports flood optics available in 4 unique NEMA flood distributions.
- Glare shield visor is formed aluminum to reduce high angle glare.
- Available in 5000K and 4000K.
- Minimum CRI of 70.

Electrical:

- 0-10V dimming (10% - 100%) standard.
- Universal Voltage (120-277 VAC) Input 50/60 Hz or High Voltage (277-480 VAC).
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- L80 Calculated Life: >70k Hours
- Total harmonic distortion: <20%
- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 20kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation for long life
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards.

Installation:

- Heavy duty yoke mounting to standard sports bracket with 3/4" bolt
- Horizontal and vertical aiming guides to simplify. Optional laser sight for extreme aiming accuracy.

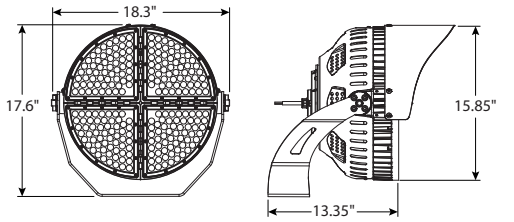
Listings:

- DesignLights Consortium qualified luminaire, eligible for rebates from DLC member utilities
- ETL Listed to UL 1598 and UL 8750.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- Meets Buy American Act requirements.

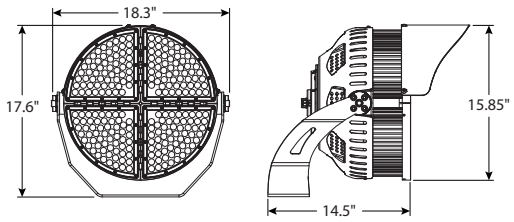
Warranty:

- Five-year limited warranty

DIMENSIONS



450 - 550W



750W

[1]LED Life Span Based Upon LM-80 Test Results

Rebates and Incentives are available in many areas.
Contact an Atlas Representative for more information.

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ORDERING INFORMATION

SPT	70L	2	40		GS
PRODUCT SERIES	LUMEN PACKAGE	DISTRIBUTION	COLOR TEMP.	VOLTAGE	OPTIONS
SPT = Sports Light	70L = 70,000 Lumens 85L = 85,000 Lumens 105L = 105,000 Lumens	2 = NEMA 2x2 3 = NEMA 3x3 4 = NEMA 4x4 5 = NEMA 5x5	40 = 4000K 50 = 5000K	Blank = 120-277 4 = 277-480	GS - Glare Shield Visor LS - Less Round Housing Shroud

ACCESSORY ORDERING INFORMATION

PART NUMBER	DESCRIPTION	FINISH	STD. PKG.
SPT-LZR	Laser Sight	Black	1
SPT-GS	Glare Shield Visor	Black	1

PERFORMANCE DATA

UNIT	WEIGHT	EPA	DISTRIBUTION	CRI	4000K CCT		5000K CCT		WATTS	REPLACES UP TO
					DELIVERED LUMENS	EFFICACY (LPW)	DELIVERED LUMENS	EFFICACY (LPW)		
SPT70L	37.5 lbs.	2.5	2x2	70	62,952	141	62,952	141	450W	1000W MH
			3x3	70	70,922	157	70,922	157		
			4x4	70	71,276	157	71,276	157		
			5x5	70	69,158	154	69,158	154		
SPT85L	38.6 lbs.	2.5	2x2	70	71,599	133	71,599	133	550W	1500W MH
			3x3	70	84,569	154	84,569	154		
			4x4	70	83,982	156	83,982	156		
			5x5	70	82,674	150	82,674	150		
SPT105L	42 lbs.	2.5	2x2	70	90,443	125	90,443	125	750W	–
			3x3	70	106,230	144	106,230	144		
			4x4	70	106,410	144	106,410	144		
			5x5	70	107,000	145	107,000	145		

ELECTRICAL DATA*

LUMENS	120V	208V	240V	277V	347V	480V
70L	3.94	2.27	1.97	1.71	1.36	0.98
85L	4.82	2.78	2.41	2.08	1.66	1.20
100L	6.57	3.79	3.28	2.84	2.27	1.64

**Electrical data at 25C (77F). Actual wattage may differ by +/-10%.*

RECOMMENDED LUMEN MAINTENANCE[1]

AMBIENT TEMP	LUMEN MULTIPLIER				
C	0 hrs.[2]	25K hrs.[2]	50K hrs.[2]	75K hrs.[3]	100K hrs.[3]
0°C - 40°C	100%	93%	86%	80%	74%

1 - Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

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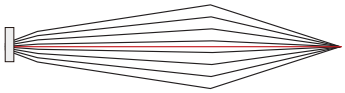
DLC PRODUCT INFORMATION

UNIT	4000K CCT			5000K CCT		
	DLC PRODUCT ID		CLASSIFICATION	DLC PRODUCT ID		CLASSIFICATION
	120-277V	480V		120-277V	480V	
SPT70L2	PL39EXXIV7TN	PLPB56TR9QOX	Premium	PLAQW5849GPS	PL2U6XJBIFS3	Premium
SPT70L3	PLJKN5A82JHP	PLNMYRZG5PON	Premium	PL2TXX2S08P8	PLPZF1VM1678	Premium
SPT70L4	PLPEYZCAU3I4	PL62GRIIUCIU	Premium	PLOSREWI2I54	PL1ADJQYI3DR	Premium
SPT70L5	PLDF10MY473C	PLW83RTSZOBM	Premium	PL7SVH0D88HP	PLBPK7CO7PCK	Premium
SPT85L2	PL6502ZR6DMU	PLKS5RHNDR3U	Premium	PLD50I7CA0FT	PL73M7HQ77B6	Premium
SPT85L3	PLSLSFWS53PA	PLUTI07RVSBW	Premium	PL5BJ8AMOL8Q	PLBMM8RN0E93	Premium
SPT85L4	PLFVREVJXGBI	PLEB8R1CA27O	Premium	PLD01DL2EG0H	PL0OTQ92CQUT	Premium
SPT85L5	PLRATJYU02TY	PLOSZ0Z3OWZB	Premium	PLW60IV3KKGS	PLFW0U068QO3	Premium
SPT105L2	PLZ3L2PLM7CQ	PLAE02H6ULLD	Premium	PL3K3U3M76X1	PLJCW3Q9CNFF	Premium
SPT105L3	PL9QC6HO1AWL	PLA7GJ7PC277	Premium	PLTSMHVZYRSQ	PLMJAPR88U98	Premium
SPT105L4	PLWC6074V7RP	PLJGQN0JDY86	Premium	PL0548KRNKSX	PLUMI0951PID	Premium
SPT105L5	PL7WKWZO19WI	PLWFX7CQ4Q2Y	Premium	PLCCSWNGQRMT	PL93LVWBKK4E	Premium

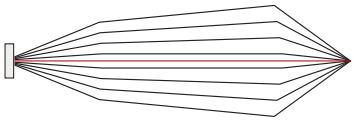
BEAM SPREADS

NEMA 2

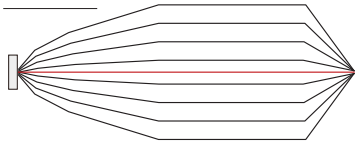
NEMA 3



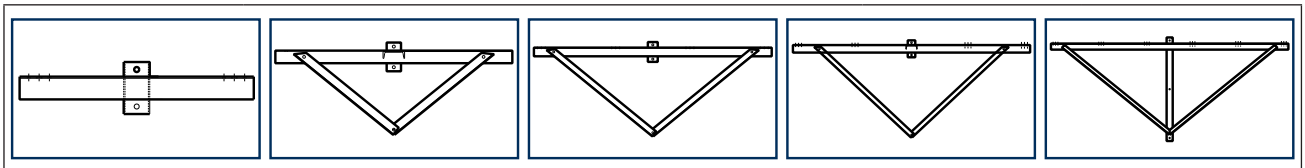
NEMA 4



NEMA 5



BRACKETS



PART NUMBER	DESCRIPTION	FINISH	STD. PKG.
500-001G	2 Light Sports Light Wood Pole Bracket	Galvanized	1
500-002G	3 Light Sports Light Wood Pole Bracket	Galvanized	1
500-003G	4 Light Sports Light Wood Pole Bracket	Galvanized	1
500-004G	5 Light Sports Light Wood Pole Bracket	Galvanized	1
500-005G	6 Light Sports Light Wood Pole Bracket	Galvanized	1

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