

# SP1 (LED) – Spectra Large Scale

TYPE

- Reliable, efficient operation
- Type 2, 3, 4, 5 distributions
- 3000K, 4000K and 5000K CCT
- 0-10V dimming ready
- Integral surge protection
- IP65
- Configurable hoods in natural finishes
- Configurable pole and arm mounting
- Diffused lens option
- Scaled family members



1. LUMINAIRE	2. HOOD STYLE	3. OPTICAL	4. COLOR TEMPERATURE	5. DRIVE CURRENT	6. COLOR	7. OPTIONS	7. MOUNTING

## 1. LUMINAIRE

SP1 *Spectra large scale. Slips over a 4"/100mm pole*

## 2. HOOD STYLE

<u>ANGLED</u>	<u>FLARED</u>	<u>STRAIGHT</u>	<u>DOUBLE</u>
ANG	FLR	STR	DBL

## 3. OPTICAL SYSTEM

- Y2-32LED (Type 2)
- Y3-32LED (Type 3) \*
- Y4-32LED (Type 4)
- Y5-32LED (Type 5)

Note:

\* Y3-32LED-4K is DLC compliant

## 4. COLOR TEMPERATURE

- 3K (3000K Warm White)
- 4K (4000K Neutral White)
- 5K (5000K Bright White)

## 5. DRIVE CURRENT (120 thru 277 volt)

550 (57 watts)

## 6. COLOR

<b>BLS</b>	Black Gloss Smooth
<b>BLT</b>	Black Matte Textured
<b>DBS</b>	Dark Bronze Gloss Smooth
<b>DBT</b>	Dark Bronze Matte Textured
<b>GTT</b>	Graphite Matte Textured
<b>LGS</b>	Light Grey Gloss Smooth
<b>LGT</b>	Light Grey Matte Textured
<b>PSS</b>	Platinum Silver Smooth
<b>VGT</b>	Verde Green Textured
<b>WHS</b>	White Gloss Smooth
<b>WHT</b>	White Matte Textured
<b>Color Option</b>	
<b>CC*</b>	Custom Color

## 7. OPTIONS

AD5 *SP1 adaptor. Designed to slip over a 5"/127mm O.D. pole*  
 LDL *Lightly diffused lens*

SCP (Sensor Control Programmable) pole accessory is available to provide occupancy detection for outdoor applications meeting California Title 24. For complete spec sheet and ordering information, visit [www.aal.net/products/sensor\\_control\\_programmable/](http://www.aal.net/products/sensor_control_programmable/)

## 8. MOUNTING (Optional)

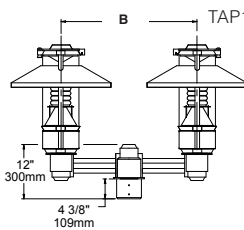
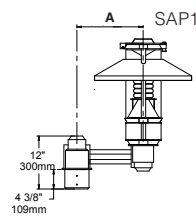
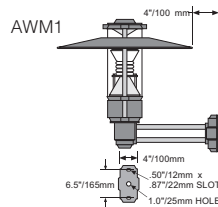
All arms regardless of hood diameter have a 4"/100mm distance from the edge of the shade to the pole centerline or face of the wall.

AWM1 *Wall plate is 8.5"/216mm x 4.75"/120mm*

SAP1 *Pole Mount slips over a 4"/100mm pole*

TAP1 *Pole Mount slips over a 4"/100mm pole*

Hood Style	A	B
Angled (ANG)	15"/375mm	30"/750mm
Flared (FLR)	17 1/2"/438mm	35"/875mm
Straight (STR)	21 3/4"/544mm	43 1/2"/1,088mm
Double (DBL)	21 3/4"/544mm	43 1/2"/1,088mm



Visit [www.aal.net](http://www.aal.net) for Arms, Poles & Accessories Specification Guide

## SPECIFICATIONS

### HOUSING

- Luminaire housings shall be cast aluminum, A356 alloy.
- Outer lens shall be clear acrylic and sealed to the housing with a molded silicone gasket on the top and bottom.
- Vertical struts shall be 316 stainless steel tubing.
- All internal and external hardware shall be stainless steel.

### HOOD

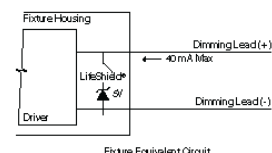
- Hoods shall have hemmed or beaded edges for added strength.
- The underside of the hoods are painted to match the fixture color.

### OPTICAL MODULE

- Light emitting diode (LED) assembly shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket and stainless steel bezel, IP66.
- LED optics shall be injection molded PMMA acrylic and be mounted to a metal printed circuit board with a uniform conformal coating over the board surface and electrical features.

### ELECTRICAL

- Luminaires shall accept 120 thru 277 50/60Hz input voltage have integral surge protection and wire leads for controls.
- Drivers shall be U.L. recognized, have a minimum starting temperature of -30°C and have a 0-10v dimming interface with a dimming range of 10-100%.
- Drivers shall have a power factor  $\geq .90$  and THD of  $\leq 20\%$  at full load with an inrush current maximum of  $< 20.0$  Amps maximum at 230VAC.
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems
- Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV.
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessively high ambient temperature conditions.
- Surge protector shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J.



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## CONTROLS

- SCP shall have an integral surge protection device with a current rating of 10,000 Amps using the industry standard 8/20uSec wave and sure rating of 372J
- Sensor not intended for use with additional photo-control, wireless control or dimming systems.

## SERVICING

- The electrical assembly shall be mounted to a prewired internal service tray and accessed by loosening two captive bolts and lifting off the top of the luminaire.

## ARM AND POLE MOUNTING

- The pole mounted arm for a single fixture (SAP) and pole mounted arm for two fixtures at 180° (TAP) shall have a cast aluminum post top and fixture fitter with two round horizontal stainless steel bars.
- The post fitter shall slip over a 4"/100 mm pole and be secured with six stainless steel set screws.
- The wall mounted arms for a SP1 fixture shall have a cast aluminum wall plate, cover and fixture fitter with two round horizontal stainless steel bars. The cover shall secure to the wall plate with four stainless steel set screws.

## FINISH

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

## CERTIFICATION

- Luminaire shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250. IP65.

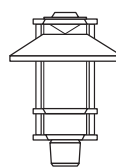
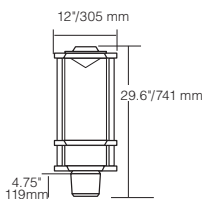
## WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

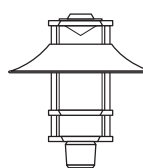
<http://www.hubbellighting.com/resources/warranty/>

AAL reserves the right to change product specifications without notice.

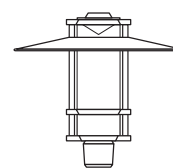
## DIMENSIONS



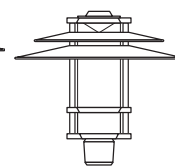
Angled Hood (ANG)  
DIA: 22"/559mm  
EPA: 1.08



Flared Hood (FLR)  
DIA: 27"/686mm  
EPA: 1.1



Straight Hood (STR)  
DIA: 31.5"/801mm  
EPA: 1.08



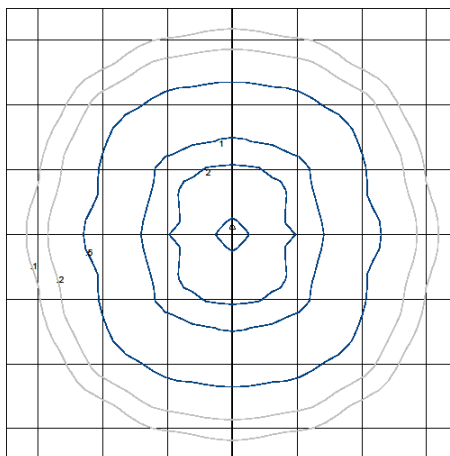
Double Hood (DBL)  
DIA: 31.5"/801mm  
EPA: 1.13

SP1  
HEIGHT: 29.6'/741mm  
WEIGHT: 42 lbs

## PERFORMANCE DATA (32 LEDS, 550 MA DRIVE CURRENT, 57 WATTS)

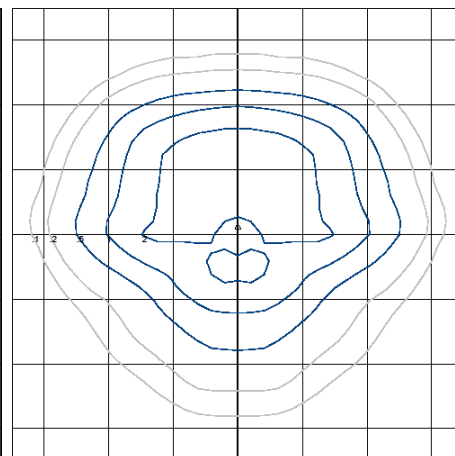
TYPE	LENS	5K					4K					3K					AMPS@ 120VAC	AMPS@ 277VAC		
		LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G				
Y2	Clear (std.)	4129	72.4	1	2	1	3948	69.3	1	2	1	3041	53.4	1	2	1	0.5	0.2		
Y3		3964	69.5	1	2	1	3790	66.5	1	2	1	2920	51.2	1	2	1				
Y4		4177	73.3	1	2	1	3994	70.1	1	2	1	3077	54.0	1	2	1				
Y5		3807	66.8	2	2	1	3640	63.9	2	2	1	2804	49.2	2	2	1				
Y2		3461	60.7	1	2	1	3323	58.3	1	2	1	2549	44.7	1	2	1				
Y3	LDL	3268	57.3	1	2	1	3138	55.1	1	2	1	2407	42.2	1	2	1				
Y4		3486	61.2	1	2	1	3347	58.7	1	2	1	2567	45.0	1	2	1				
Y5		3195	56.1	2	2	1	3068	53.8	2	2	1	2353	41.3	1	2	1				
<b>CCT AVERAGE</b>		5000K					4000K					3000K								
<b>CRI MINIMUM</b>		≤70					≤70					≤80								

SP1-FLR-Y5-32LED-5K-550



12' MOUNTING HEIGHT

SP1-FLR-Y3-32LED-5K-550



12' MOUNTING HEIGHT

IES files can be found at [www.aal.net](http://www.aal.net)

## PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	*TM-21-11 60,000	100,000	PROJECTED L70 (hours)
25°C/77°F	100%	96%	94%	93%	90%	>60,000
40°C/104°F	100%	94%	91%	90%	86%	>60,000