

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
- 13 standard powder coat finishes
- IP65
- Configurable hoods in natural finishes
- Configurable pole and arm mounting
- Diffused lens option
- Scaled family members



SP1

1. LUMINAIRE	2. HOOD STYLE	3. OPTICAL	4. COLOR TEMPERATURE	5. DRIVE CURRENT	6. HOOD FINISH	7. COLOR	8. OPTIONS	9. MOUNTING

1. LUMINAIRE

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

2. HOOD STYLE

ANGLED	FLARED	STRAIGHT	DOUBLE
ANG	FLR	STR	DBL

3. OPTICAL SYSTEM

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

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. HOOD FINISH (Optional)

- STS (Stainless Steel)
- COP (Natural Copper)

7. COLOR

WH Arctic White	VBU Verde Blue
BL Black	CRT Corten
BLT Matte Black	MAL Matte Aluminum
DB Dark Bronze	MG Medium Grey
DGN Dark Green	AGN Antique Green
TT Titanium	LG Light Grey
WDB Weathered Bronze	RAL Premium Color
MDB Bronze Metallic	CUSTOM ** Contact Factory

8. 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/

9. MOUNTING (Optional)

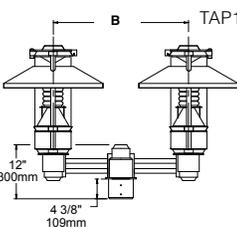
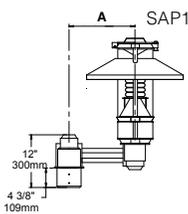
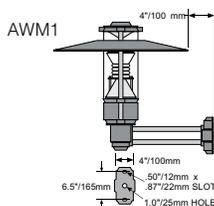
All arms regardless of hood diameter have a 4"/100mm distance from the edge of the shade to the pole centerline or face of the wall.

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 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

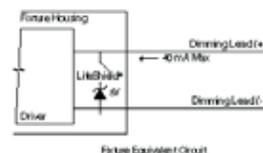
- Hoods shall be spun from 6061 T-6 aluminum, 316 stainless steel or 110 copper.
- Hoods shall have hemmed or beaded edges for added strength.
- The underside of all hoods shall be painted a high reflectance white.

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 panel 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 ≥.90 and THD of ≤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.



ARCHITECTURAL AREA LIGHTING
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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 surge 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.

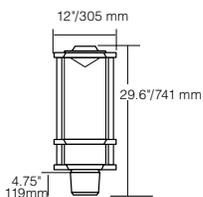
WARRANTY / TERMS AND CONDITIONS OF SALE

Download:

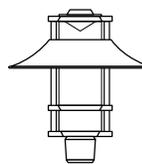
<http://www.hubbelling.com/resources/warranty/>

AAL reserves the right to change product specifications without notice.

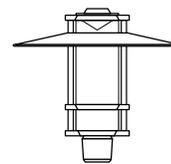
DIMENSIONS



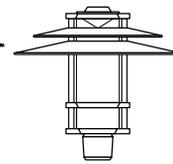
Angled Hood (ANG)
DIA: 22"/559mm
EPA: 1.08



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



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



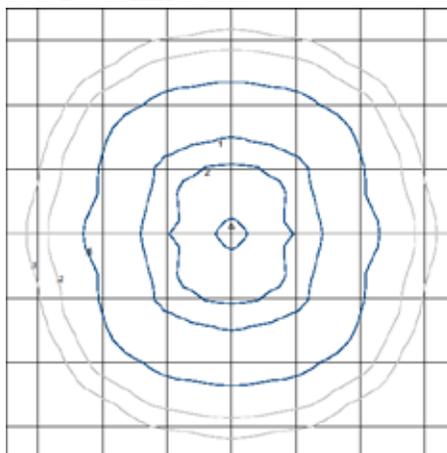
Double Hood (DBL)
DIA: 31.5"/801mm
EPA: 1.13

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

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

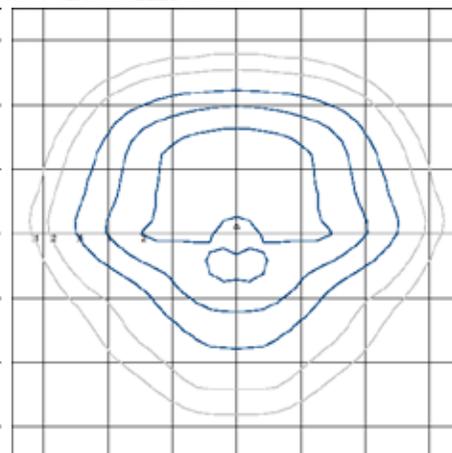
TYPE	LENS	5K					4K					3K					AMPS@ 120VAC	AMPS@ 277VAC		
		LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G	LUMENS	LPW	B	U	G				
Y2	Clear (std.)	4129	72.4	1	2	1	3948	69.3	1	2	1	3041	53.4	1	2	1	0.5	0.2		
Y3		3964	69.5	1	2	1	3790	66.5	1	2	1	2920	51.2	1	2	1				
Y4		4177	73.3	1	2	1	3994	70.1	1	2	1	3077	54.0	1	2	1				
Y5		3807	66.8	2	2	1	3640	63.9	2	2	1	2804	49.2	2	2	1				
Y2	LDL	3461	60.7	1	2	1	3323	58.3	1	2	1	2549	44.7	1	2	1				
Y3		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				
CCT AVERAGE		5000K					4000K					3000K								
CRI MINIMUM		≤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

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



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