



Commerical Area Small (SSA)

Outdoor LED Area Light



OVERVIEW

Lumen Output Range	9,000 - 21,000
Wattage Range	72 - 182
Efficacy Range (LPW)	106 - 134
CCT (K)	3000, 4000, 5000
Controls	Standalone Sensor, 7-Pin
Weight lbs (kg)	17 (7.8)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP65 rated luminaire protects integral components from harsh environments.
- Shipping weight: 17.24 lbs in carton.

Optical System

- Premium engineered IP65 rated acrylic optic assemblies deliver Type 3, 4 (FT) or 5 distributions.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377.
- Minimum CRI of 80.

Electrical

- High-performance driver features shortcircuit and over temperature protection with integral surge protection (6kV).
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L70 Calculated Life: >50K Hours (See Lumen Maintenance on Page 3)

- Total harmonic distortion: <20%
- Operating temperature: -40°C to +40°C (-40°F to +104°F).
- Power factor: >.90
- Input power stays constant over life.
- Optional 10kV 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.

Installation

- Mounting method ships separately and can be quickly connected to the luminaire.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.
- Utilizes B2 pole drill pattern for arm mounting.
- Utilizes adjustable slip fitter for mast arm or tenon mounting.
- Optional die-cast slip fitter allows for mounting onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon allowing for tilting up to 45 degrees and 90° when using a vertical tenon.

Warranty

- LSI luminaires carry a 5-year limited warranty. Complete warranty terms are located on our website.

Listings

- Listed to UL 1598 and UL 8750.
- IDA compliant; with 3000K color temperature selection (PM mounting only).
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations
- IP65 rated Luminaire per IEC 60598
- 1.5G rated for ANSI C136.31 high vibration applicationsare qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Specifications and dimensions subject to change without notice.





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ORDERING GUIDE

[Back to Quick Links](#)TYPICAL ORDER EXAMPLE: **SSA LED 12L ACR 5W UNV DIM 50 CR7P BRZ PM**

Luminaire Prefix	Light Source	Lumen Package	Lens	Distribution	Voltage	Driver
SSA - Small Commercial Area	LED	9L - 9,000 lms 12L - 12,000 lms 18L - 18,000 lms 21L - 21,000 lms	ACR - Acrylic	3 - Type 3 5W - Type 5 Wide FT - Type 4 Forward Throw	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)
Color Temp	Color Rendering	Controls (Choose One)			Finish	Mounting Options
50 - 5,000K CCT 40 - 4,000K CCT 30 - 3,000K CCT	Blank - 80 CRI	(Blank) - None CR7P - 7 Pin Photoelectric Control Receptacle ¹ IMS2 - Integral Motion Sensor and Photocell max 13-20' mounting height ³ IMS4 - Integral Motion Sensor and Photocell max 21-40' mounting height ³			BRZ - Bronze	PM - Square Pole Mount Arm SF - Adjustable Slip fitter

Accessory Ordering Information⁶

CONTROLS ACCESSORIES	
Description	Order Number ²
PC120 Photocell for use with CR7P option (120v)	122514
PC208-277 Photocell for use with CR7P option (208V, 240V, 277V)	122515
Twist Lock Photocell (347V) for use with CR7P	122516
Twist Lock Photocell (480V) for use with CR7P	1225180
AirLink 5 Pin Twist Lock Controller	61409
AirLink 7 Pin Twist Lock Controller	661410
Shorting Cap for use with CR7P	149328

FUSING ACCESSORIES ⁴	
Description	Order Number ²
Single Fusing (120V)	FK120
Single Fusing (277V)	FK277
Double Fusing (480V)	DFK480
Double Fusing (347V)	DFK347

FOOTNOTES:

1 - Control device or shorting cap must be ordered separately. See Accessory Ordering Information.

2 - Factory installed CR7P option required. See Options.

3 - IMS is a Watt Stopper Dual Sensor (Daylight & Motion) which is field adjustable, via a hand held remote Illustrator tool, which must be ordered separately.

4 - Fusing must be located in hand hole of pole.

MOUNTING ACCESSORIES	
Description	Order Number ²
Round Pole Adapter for SSA/SMA for 4" or 5" OD Poles	SARPA45 BRZ
Round Pole Adapter for SSA/SMA for 3" or 3.5" OD Poles	SARPA3 BRZ
Quick Pole Mount Bracket (Square Pole, Bronze Finish)	751534
15° Quick Pole Mount Bracket (Square Pole, Bronze Finish)	740022
Wood Pole Bracket (6" Minimum OD Pole, Bronze Finish)	750440
Wall Mount Bracket (Bronze Finish)	750441

Luminaire Shown with CR7P**Luminaire Shown with IMS**



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PERFORMANCE

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DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K			4000K			5000K			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
9L	3	80	9135	126	B2-U0-G2	9563	132	B3-U0-G3	9606	133	B3-U0-G3	72
	5W	80	9217	127	B3-U0-G1	9649	133	B3-U0-G1	9693	134	B3-U0-G1	
	FT	80	8777	121	B2-U0-G2	9189	127	B2-U0-G2	9230	127	B2-U0-G2	
12L	3	80	11,988	114	B3-U0-G3	12,637	121	B3-U0-G3	12,587	120	B3-U0-G3	105
	5W	80	12,096	115	B3-U0-G2	13,228	126	B3-U0-G1	13,175	126	B3-U0-G1	
	FT	80	11,519	109	B2-U0-G2	12,557	120	B2-U0-G3	12,527	119	B2-U0-G3	
18L	3	80	17,154	113	B3-U0-G3	17,356	115	B3-U0-G3	17,287	114	B3-U0-G3	151
	5W	80	17,281	114	B3-U0-G2	18,167	120	B3-U0-G2	18,095	120	B3-U0-G2	
	FT	80	16,561	109	B3-U0-G3	17,274	114	B3-U0-G3	17,205	114	B3-U0-G3	
21L	3	80	20,003	110	B3-U0-G3	20,560	111	B3-U0-G3	20,673	113	B3-U0-G3	182
	5W	80	20,162	111	B4-U0-G2	21,136	114	B4-U0-G2	21,408	118	B4-U0-G2	
	FT	80	19,290	106	B3-U0-G3	19,776	107	B3-U0-G3	19,990	110	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*							
Lumen Package	Watts	120V	208V	240V	277V	347V	480V
9L	72	0.60	0.35	0.30	0.26	0.21	0.15
12L	105	0.87	0.50	0.44	0.38	0.30	0.22
18L	151	1.26	0.73	0.63	0.55	0.44	0.31
21L	183	1.52	0.88	0.76	0.66	0.53	0.38

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

RECOMMENDED LUMEN MAINTENANCE (9L-21L) ¹					
Ambient Temperature C	Initial ²	25K hrs. ²	50K hrs. ³	75K hrs. ³	100K hrs. ³
0C - 40C	98%	96%	94%	92%	90%

- 1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing





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PHOTOMETRICS

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All published luminaire photometric testing performed to IESNA LM-79 standards by NVLAP, certified laboratory. ISO footcandle plots below demonstrate the SMA light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

SSA-LED-18L-ACR-3-40

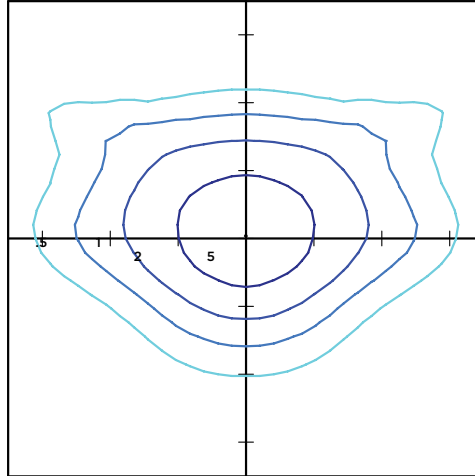
LUMINAIRE DATA

Type 3 Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,021
Watts	151
Efficacy	113
IES Type	Type IV - Medium
BUG Rating	B3-U0-G3

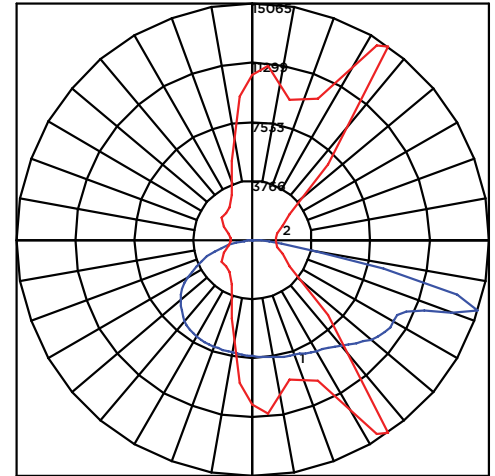
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3067	18%
Medium (30-60)°	8240	48%
High (60-80)°	5288	31%
Very High (80-90)°	427	3%
Uplight (90-180)°	0	0%
Total Flux	17021	100%

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/10' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

SSA-LED-18L-ACR-FT-40

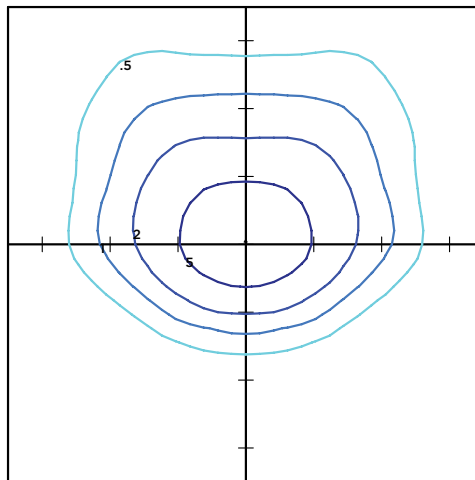
LUMINAIRE DATA

Type FT Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,274
Watts	151
Efficacy	114
IES Type	114
BUG Rating	B3-U0-G3

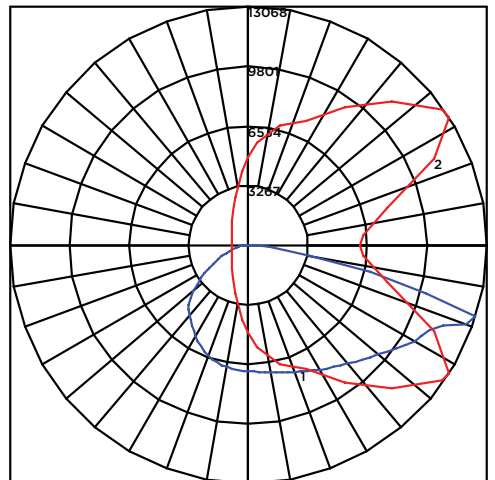
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3019	17%
Medium (30-60)°	8150	47%
High (60-80)°	5684	33%
Very High (80-90)°	421	2%
Uplight (90-180)°	0	0%
Total Flux	17274	100%

ISO FOOTCANDLE



POLAR CURVE



25' Mounting Height/10' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC





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PHOTOMETRICS

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SSA-LED-18L-ACR-5W-40

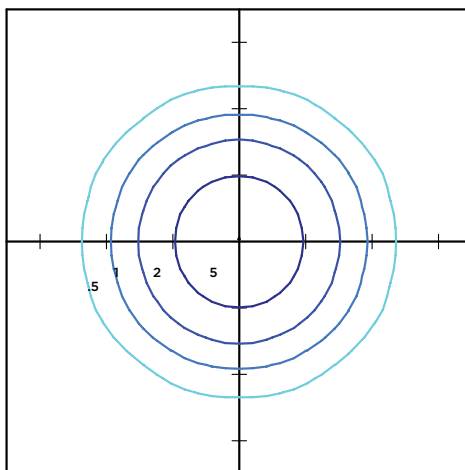
LUMINAIRE DATA

Type 5W Distribution	
Description	4000 Kelvin, 70 CRI
Delivered Lumens	17,188
Watts	151
Efficacy	114
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G2

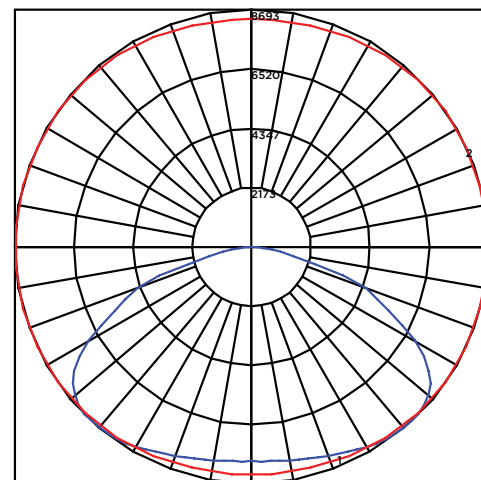
Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3577	21%
Medium (30-60)°	9351	54%
High (60-80)°	3939	23%
Very High (80-90)°	321	2%
Uplight (90-180)°	0	0%
Total Flux	17188	100%

ISO FOOTCANDLE



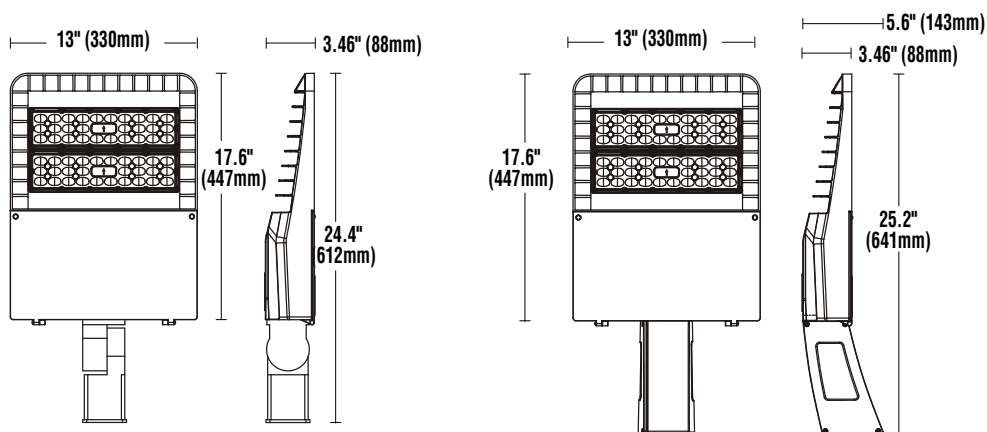
POLAR CURVE



25' Mounting Height/10' Grid Spacing

■ 5 FC ■ 2 FC ■ 1 FC ■ 0.5 FC

PRODUCT DIMENSIONS

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LUMINAIRE EPA CHART						
Tilt Degree	Single	D180°	D90°	T90°	TN120°	Q90°
0°	0.5	1.0	0.7	1.0	1.0	1.0





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MOUNTING

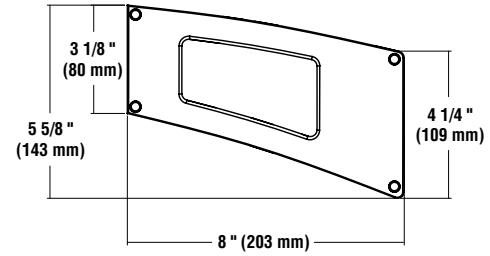
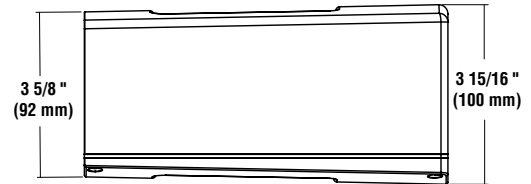


**SF - Adjustable Slip Fitter
for Mast Arm and Tenon**

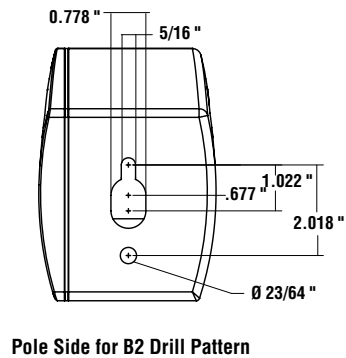
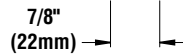
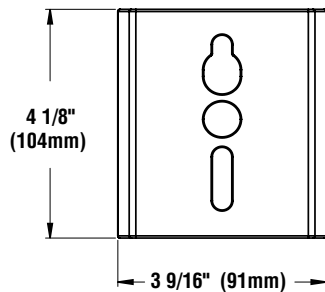
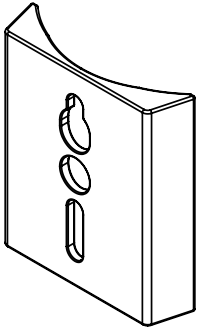


**PM - Square Pole
Mount Arm**

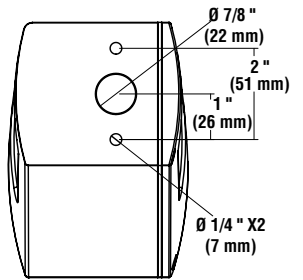
For Mast Arm & Tenon



SARPA45 BRZ - Round Pole Adapter



Pole Side for B2 Drill Pattern



Fixture Side

