

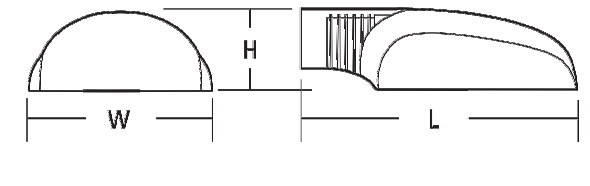


**AS1 LED  
LED Area Luminaire**

Catalog Number	
Notes	
Type	L3

**Specifications**

BPA:	0.7 ft <sup>2</sup> (0.07 m <sup>2</sup> )
Length:	22-1/4" (56.4 cm)
Width:	13" (33.0 cm)
Height:	6-3/8" (16.9 cm)
Weight (max):	53 lbs (24.0 kg)



**Introduction**  
The Aeria™ family combines sleek, fluid forms and crisp edges into a striking architectural aesthetic that can be echoed throughout entire sites. The AS1 LED integrates the latest LED technology with the designer aesthetic of the Aeria™ family for stylish, high-performance illumination that lasts. The AS1 LED is ideal for replacing 100-250W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

**Ordering Information**      **EXAMPLE: AS1 LED 42C 700 40K SR5 MVOLT SPA DDBXD**

Series	LEDs	Driver Current	Color Temperature	Distribution	Voltage	Mounting
AS1 LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT 1 120' <sup>1</sup> 240' <sup>1</sup> 480' <sup>1</sup> 120' <sup>1</sup> 277' <sup>1</sup> 208' <sup>1</sup> 347'	SPA Square pole mounting RPA Round pole mounting WSA Wall bracket

Standard Options	Other Options	Finish Options
<b>Shipped Installed</b> PGR NSMA back-lock receptacle only (no controls) PGRS Pre-wired receptacle only (no controls) PGR7 Seven-wire receptacle only (no controls) DMG 0-10V dimming driver (no controls) BL30 0-level switched dimming, 50% BL50 0-level switched dimming, 50%	PNM1D03 Flat, right, dim 0.1m PNM1S03 Flat, right, dim 5 lbs PNM1R03 Flat, right, dim 7 lbs PNM1T03 Flat, right, dim 7 lbs	SF Single line (120, 277, 240V) <sup>1</sup> DF Double line (208, 240, 480V) <sup>1</sup> DFL Diffusing lens

**Accessories**  
 DEL137 L3 LU      Flathead - SS, white-40k (130-277V)<sup>1</sup>  
 DEL140 L3 CLR LU      Flathead - SS, white-40k (240V)<sup>1</sup>  
 DEL140F L3 CLR LU      Flathead - SS, white-40k (1400V)<sup>1</sup>  
 SCV      Slotted cap  
 ACVIG UB      Universal gear accessory  
 RMA4 DDBXD U      Heat sink adapter (specify finish)  
 SPA19AS DDBXD U      Square pole DMI19 to DM19AS adapter (specify finish)  
 RPA19AS DDBXD U      Round pole DMI19 to DM19AS adapter (specify finish)

**Tenon Mounting Slipfitter\***

Height	DM19AS	DM19AS	DM19AS
2' at 90°	DM19AS	DM19AS	DM19AS
3' at 90°	DM19AS	DM19AS	DM19AS
3' at 120°	DM19AS	DM19AS	DM19AS

**Drilling**  
 The Aeria™ has a unique drilling pattern. Specify this drilling pattern when specifying poles per the table below.  
 Example: SSA 20 AC DM19AS DDBXD

**Performance Data**

**Lumen Output**

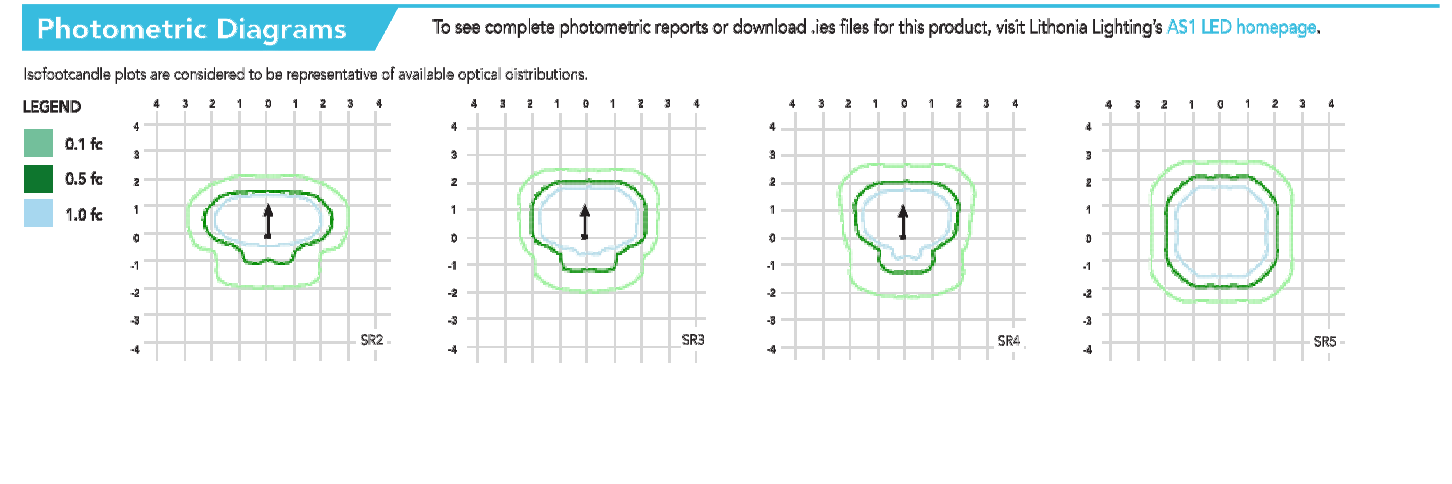
Temp	Input Power	Output Power	Eff. (%)	Beam Spread	Beam Diameter	Beam Length	Beam Area	Beam Volume
40°C	49W	SR2	5,680	1	0	1	103	
		SR3	5,680	1	0	1	103	
		SR4	5,680	1	0	1	103	
		SR5	5,351	3	0	1	109	
		SR2	7,621	2	0	2	94	
42°C	53W	SR3	7,621	1	0	2	94	
		SR4	6,574	1	0	2	93	
		SR5	7,424	3	0	2	99	
		SR2	8,533	2	0	2	88	
		SR3	8,533	2	0	2	88	
70°C	97W	SR4	8,476	2	0	2	87	
		SR5	9,623	3	0	2	93	

**Lumen Ambient Temperature (LAT) Multipliers**  
 Use these factors to determine actual lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Multiplier
0°C	1.00
10°C	0.97
20°C	0.94
30°C	0.91
40°C	0.87
50°C	0.83
60°C	0.79

**Projected LED Lumen Maintenance**  
 Data references the extrapolated performance projections for the AS1 LED 42C 700 pole in a 50°C ambient, based on 100,000 hours of LED testing (based per IESNA LM-80-08 and projected per IESNA TM-21-11).

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance (LM-80)	1.0	0.96	0.92	0.85



**FEATURES & SPECIFICATIONS**

**INTENDED USE**  
 The energy savings and long life of the AS1 LED area luminaire make it a reliable choice for illuminating streets, walkways, parking lots, and surrounding areas.

**CONSTRUCTION**  
 Single piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast coverframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

**FINISH**  
 Exterior parts are protected by a zinc-inflated Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled anodizing process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

**OPTICS**  
 Precision-molded reflective acrylic optics housed behind the door frame lens are available in four distributions. Light engines are available in standard 4000K or optional 3000K or 5000K CRI C90 configurations. The AS1 has zero uplight and qualifies as a nighttime friendly™ product, meaning it is consistent with the IEEE and Green Glowing™ criteria for minimizing unwanted uplight.

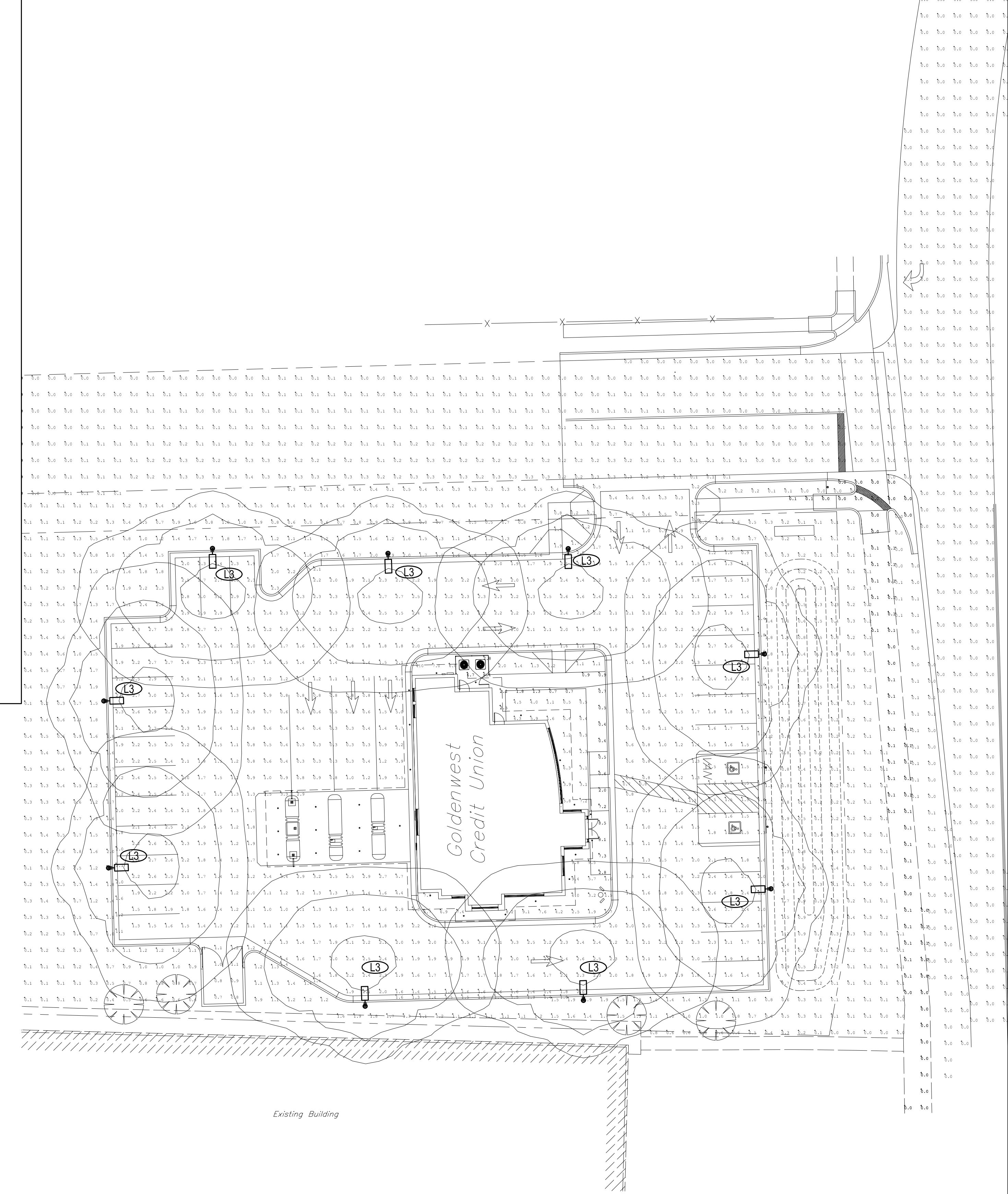
**ELECTRICAL**  
 Light engine consists of 42 high-efficiency LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Built-in overcurrent surge protection device provides a minimum Category C Low operation per ANSI/IEEE C82.41.2.

**INSTALLATION**  
 Integral arm provides easy installation to a pole and assists in alignment and leveling.

**LISTINGS**  
 CSA certified to UL and Canadian standards. Luminaire is IP65 rated. U.S. Patent No. D447,599. Canada Patent No. 94324.

**WARRANTY**  
 Five year limited warranty. Full warranty terms located at [www.lithonia.com/customer-resources/terms\\_and\\_conditions.aspx](http://www.lithonia.com/customer-resources/terms_and_conditions.aspx).

**Notes:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



**PHOTOMETRIC SITE PLAN**  
 SCALE: 1" = 20'-0"

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**LUMINAIRE SCHEDULE**

TYPE	DESCRIPTION	LAMP(S)/BALLAST(S)	INPUT (VA)	VOLTAGE	MANUFACTURER	CATALOG #
L3	DESCRIPTION:	LED PARKING LOT FIXTURE ON 17" POLE	LED	120	LITHONIA	AS1 LED 42C 530 40K SR3 120 RPA CBA
	SIZE:	22-1/4" LENGTH X 13" WIDTH X 6-3/8" HEIGHT	3000 KELVIN			
	HOUSING:	CAST ALUMINUM	7021 LUMENS			
	FINISH:	POWDER COAT, COLOR BY ARCHITECT				
	OPTICS:	TYPE III DISTRIBUTION				
POLE:	17" ROUND POLE, 30" HIGH CONCRETE BASE					

REV	DATE	DESCRIPTION
X	XXV	
X	XXV	

Designed by: JR  
 Drafted by: MS  
 Client Name:  
 Goldenwest Credit Union

**ANVA**  
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 Eden Branch  
 Eden, Utah