



Look. Performance. Confidence.



Catalog Number
Notes
Type

## S-SERIES LED Lamps

### ALSP38 PAR 38 LED Lamp SPECIFICATION GRADE



## FEATURES & SPECIFICATIONS

### INTENDED USE

Ideal for track, recessed and accent lighting use in both commercial and retail applications.

### CONSTRUCTION

**Housing:** High quality, cast aluminum, advanced thermal design for optimal cooling efficiency.  
**Optics:** Optimally engineered specular faceted reflector for efficient distribution.

### EXPECTED LIFE

50,000 hours - L70 lumen depreciation design criteria.

### RATED LIFE

25,000 hours - L70 after 6000 hours, initial ENERGY STAR® qualification tested.

**Max. Luminous Intensity:** 5000cd (900L); 6800cd (1200L-25°); 2200cd (1200L-45°); 9000cd (2000L-25°); 3000cd (2000L-45°).

### LUMEN OUTPUT

900 lumens (900L); 1200 lumens (1200L); 2000 lumens (2000L)

**Operating Temperature:** -22°F to 113 °F (-30 °C to +45 °C)

**Color Temperature (CRI):** 900L - 2700K (82CRI); 4000K (85CRI); High R9 (94CRI)

1200L - 2700K (82CRI); 4000K (85CRI)

2000L - 2700K (80CRI); 4000K (80CRI)

**High Spectral Content:** R9=78

### ELECTRICAL SYSTEM

Uses High Brightness LED mounted to efficient thermal transfer system.

20-watt (900L/1200L)/25-watt (2000L) high-efficiency integral driver 110-120VAC.

Actual wattage may differ by +10%/-15% when operating between 110-120V +/- 10%.  
Dimmable down to 10%.

### LISTING

**DIM Lamp** -- cETLus listed to U.S. and Canadian safety requirements.  
**Non-DIM Lamp** -- UL and C-UL listed to U.S. and Canadian safety requirements.  
**Damp location.**  
Tested in accordance with IESNA LM-79 standards.  
Suitable for use in totally enclosed fixtures per UL1993.  
Tested at 45 °C per ENERGY STAR® L70 lumen maintenance.  
ENERGY STAR qualified.

### WARRANTY

Five-year limited warranty. Complete warranty terms located at:  
[http://www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

### DIMENSIONS

Diameter: 4-3/4"

Length: 5-1/8"

Weight: 1.09 lbs

All dimensions are inches.

**Note:** Specifications subject to change without notice. Actual performance may differ as a result of end user environment and application.

## ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

**Example:** ALSP38 2000L DIM

LED LAMP							
Series	Lumen output <sup>1</sup>	Beam angle	Color temperature	Base	Options	Dimming	
ALSP38 PAR 38 LED Lamp	900L 20W, 900 lumens <sup>2</sup> 1200L 20W, 1200 lumens 2000L 25W, 2000 lumens	(blank) 25 degrees 45 45 degrees <sup>3</sup>	(blank) 2700K 40K 4000K	(blank) E26 base	R9 High R9 spectral content <sup>4</sup>	DIM	Dimmable <sup>3</sup>

### Notes

1 Total system delivered lumens.

3 Available only with 1200L and 2000L.

2 Must be ordered with R9 option.

4 Option available only with 900L.

See page 2 for Photometric Data

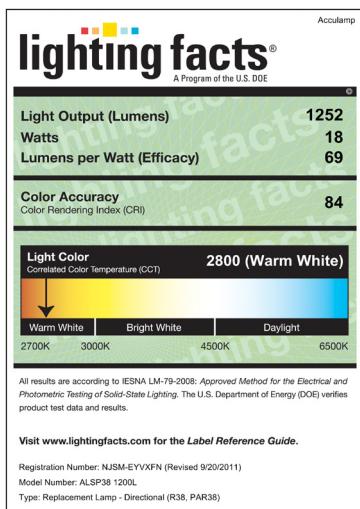
Page 1 of 3



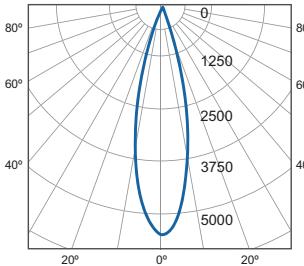
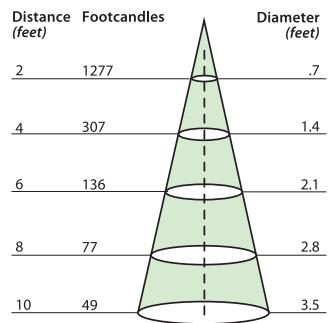
# ALSP38 — PAR 38 LED Lamp

SPECIFICATION GRADE

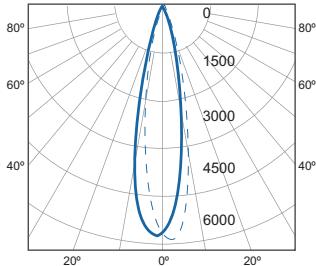
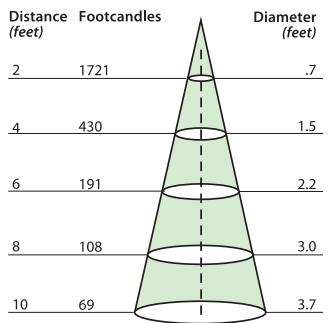
## PHOTOMETRICS



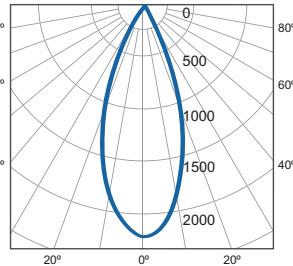
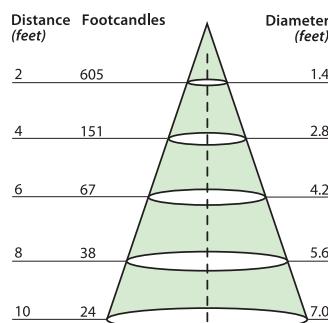
**PAR 38 900L** 25° Beam Angle



**PAR 38 1200L**



**PAR 38 1200L**



## LED REPLACEMENT CHARTS

Lamp Type	Traditional Source	Acculamp Replacement	Description
PAR38	75W Halogen	20W PAR38 LED	ALSP38 900L
	90W Halogen	20W PAR38 LED	ALSP38 1200L
	150W Halogen	25W PAR38 LED	ALSP38 2000L



Look. Performance. Confidence.

# ALSP38 — PAR 38 LED Lamp

SPECIFICATION GRADE

## LED LAMP AND DIMMER COMPATIBILITY

Mfg	Cat No.	Dimming Method	Wattage	Comments
Acuity Brands - Sensor Switch	nLight NSP5 PCD ELV 120	Reverse Phase	480W	maximum load
Acuity Brands - Synergy	SYPMB 6D Line voltage Module			
Acuity Brands - Synergy	ISDELV400120WH	Reverse Phase	400W	
Crestron	CLX-1DIM4	Reverse Phase		Adjust low end trim
Crestron	CLX-1DIM8	Reverse Phase		Adjust low end trim
Crestron	CLX-2DIM2	Reverse Phase		Adjust low end trim
Crestron	CLX-2DIM8	Reverse Phase		Adjust low end trim
Crestron	CLX-1DELV4	Reverse Phase		Adjust low end trim
Crestron	DIN-1DIM4	Reverse Phase		Adjust low end trim
Crestron	DIN-1DIMU4	Reverse Phase		Adjust low end trim
Crestron	CLW-DIMEX-E	Reverse Phase		Dimmer requires a direct connection to neutral to ensure operation. Enforce Crestron min level not only to avoid flicker, but to prevent initial flashing/distortion when ramping up the fixture output.
Crestron	CLW-DIMEX-P	Reverse Phase		
Crestron	CLW-DIMSWEX-E	Reverse Phase		
Crestron	CLW-DIMSWEX-P	Reverse Phase		
Crestron	P-DIMEX	Reverse Phase		
Crestron	GLX-DIM6	Reverse Phase		Adjust low end trim
Crestron	GLXX-2DIM8	Reverse Phase		Adjust low end trim
ETC ELV 1.2KW	Paradigm Control Processor	Reverse Phase	1.2Kw	
Leviton	6633-P	Forward Phase	600W	
Leviton	6681	Forward Phase	600W	
Leviton	IPI06	Forward Phase	600W	
Leviton	6613-P	Forward Phase	600W	
Leviton	6631-LW	Forward Phase	600W	
Leviton	6161-I	Forward Phase	500W	
Leviton	RPI06-1	Forward Phase	600W	
Leviton	IPE04-1LZ	Reverse Phase	400W	
Leviton-Rotary Dial	6304	Forward Phase	300W	Lamp Base dimmer
Lutron	TG-603P	Forward Phase	600W	
Lutron	TG-600P	Forward Phase	600W	
Lutron	AY-103P	Forward Phase	1000W	
Lutron	DV-600P	Forward Phase	600W	
Lutron	DVCL-153PD	Forward Phase	600W	
Lutron	S-600P	Forward Phase	600W	
Lutron	C-L wall mount Dimmers	Forward Phase	600W	Adjust low end trim
Lutron Graphic Eye QS	PHPM-PA	Reverse Phase	1920W	Adjust low and high end trim. 10W min load
Lutron Graphic Eye QS	PHPM-WBX 3 wire fluorescent	Reverse Phase	1920W	Adjust low and high end trim.
Lutron Graphic Eye QS	Main unit family	Forward Phase		
Lutron HomeWorks QS	HQRD-6NA	Neutral Adaptive	600W	Adjust low and high end trim. Set load to FP
Lutron RadioRA2	RRD-6NA	Phase Adaptive	600W	Adjust low and high end trim. Set load to FP
Neptun	Apollo 80005	Forward Phase	600W	

### Acculamp LED—20 Amp Circuit Load

Use the table (right) as a guide, for the approximate quantity of Acculamp LED lamps on a typical standard 20-amp circuit (derated to 80% - 16 amps). Use a licensed electrician to determine proper wire gauges and circuit breakers according to the National Electrical Code and local codes. Do not overload circuit with more lamps than the approximate quantity shown below for a typical standard 20-amp circuit breaker for approximately 7X multiple of inrush current. Circuit breakers with higher inrush trip curve characteristics, such as **High Magnetic** types, are available. Consult with a licensed electrician for proper determination.

Lamp Model	Wattage	Operating Amps	Approx. Quantity
ALSP38 1200L DIM	20W	.240	20
ALSP38 1200L 40K DIM	20W	.240	20
ALSP38 1200L 45 DIM	20W	.240	20
ALSP38 1200L 45 40K DIM	20W	.240	20
ALSP38 2000L DIM	25W	.280	27
ALSP38 2000L 40K DIM	25W	.280	27
ALSP38 2000L 45 DIM	25W	.280	27
ALSP38 2000L 45 40K DIM	25W	.280	27



Look. Performance. Confidence.

**Note:** Most forward-phase dimmers have a minimum load requirement of 40-60 watts. A single 20W LED lamp on a 600W dimmer may flicker due to the minimum load requirement not being met. If the minimum dimmer load is not met, consider a synthetic minimum load, LUTRON- LUT-LBX or other equivalent. This requires a 2-gang wall box and additional wiring to the dimmer.

Depending on the quantity of LED lamps on the dimming circuit, an approximately 10%-100% dimming range may be obtainable. Most available dimmers were designed around older technology and resistive or incandescent lamp loads, therefore, performance can vary with LED load and is not guaranteed. Please see the manufacturer's instructions on dimmers for use with LED lamps and do not exceed the 150W LED load for 600W-rated dimmer.