

# ASW1 LED LED Wall Luminaire



AERIS

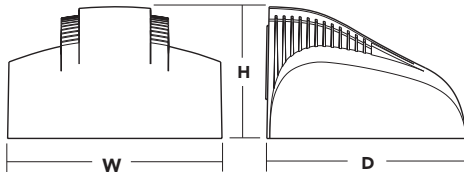
## Specifications

**Width:** 15"  
(38.1 cm)

**Depth:** 13-3/4"  
(34.9 cm)

**Height:** 9-1/4"  
(25.5 cm)

**Weight (max):** 34 lbs  
(15.4 kg)



Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The Aeris™ family combines sleek, fluid forms and crisp edges into a striking architectural aesthetic that can be echoed throughout entire sites.

The ASW1 LED integrates the latest LED technology with the designer aesthetic of the Aeris™ family for stylish, high-performance illumination that lasts. The ASW1 LED is ideal for replacing 100-400W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

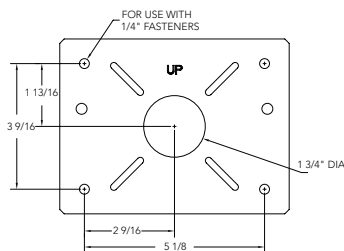
## Ordering Information

**EXAMPLE: ASW1 LED 42C 700 40K SR4 MVOLT DDBTXD**

ASW1 LED	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting
ASW1 LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA	30K 3000 K 40K 4000 K 50K 5000 K	SR2 Type II SR3 Type III SR4 Type IV	MVOLT <sup>1</sup> 277 <sup>1</sup> 120 <sup>1</sup> 347 208 <sup>1</sup> 480 240 <sup>1</sup>	<b>Shipped included</b> (blank) Surface mount <b>Shipped separately</b> BBW Surface-mounted back box (for conduit entry) <sup>2</sup>

Control Options	Other Options	Finish (required)
<b>Shipped installed</b> PE Photoelectric cell, button type <sup>3</sup> BL30 Bi-level switched dimming, 30% <sup>4,5</sup> BL50 Bi-level switched dimming, 50% <sup>4,5</sup> PNMTDD3 Part night, dim till dawn <sup>5</sup> PNMT5D3 Part night, dim 5 hrs <sup>5</sup> PNMT6D3 Part night, dim 6 hrs <sup>5</sup> PNMT7D3 Part night, dim 7 hrs <sup>5</sup> DMG 0-10V dimming driver (no controls) <sup>6</sup>	<b>Shipped installed</b> SF Single fuse (120, 277, 347V) <sup>1</sup> DF Double fuse (208, 240, 480V) <sup>1</sup> DFL Diffusing lens <b>Shipped separately</b> <sup>2</sup> VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

## Drilling



## Accessories

Ordered and shipped separately.

ASW1BBW DDBXD U	Back box accessory (specify finish)
ASW1WG U	Wire guard accessory
ASW1VG U	Vandal guard accessory

## NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120 or 277 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- Also available as a separate accessory; see Accessories information at left.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Must be ordered with fixture; cannot be field installed.
- Requires an additional switched line.
- Dimming driver standard. Not available with 347V or 480V.
- Not available with 347V, 480V, BL30, BL50 or PNMT options.



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Light Engines	Drive Current (mA)	System Watts	Dist. Type	40 K (4000 K, 70 CRI)				
				Nominal Lumens	B	U	G	LPW
42C (42 LEDs)	350	49W	SR2	4,013	1	0	1	82
			SR3	3,998	1	0	1	82
			SR4	3,971	1	0	1	81
	530	75W	SR2	7,140	2	0	2	95
			SR3	7,114	1	0	2	95
			SR4	7,066	1	0	1	94
	700	98W	SR2	8,564	2	0	2	87
			SR3	8,533	2	0	2	87
			SR4	8,476	2	0	2	86

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
40°C	104°F	0.96

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **ASW1 LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

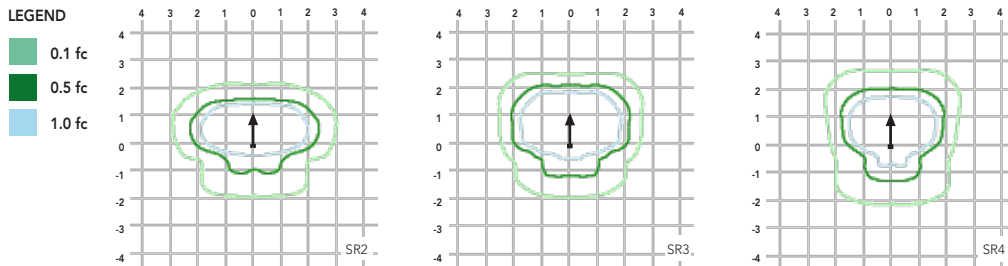
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [ASW1 LED homepage](#).

Isofootcandle plots are considered to be representative of available optical distributions.



## FEATURES & SPECIFICATIONS

### INTENDED USE

The ASW1 LED is a high performance, high efficacy, long life luminaire that is ideally suited for lighting building entries, walk ways and surrounding areas adjacent to commercial exteriors.

### CONSTRUCTION

Single-piece, die-cast aluminum housing. Die-cast doorframe has impact-resistant, tempered glass lens. Doorframe is fully sealed with a closed-cell silicone gasket.

### FINISH

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

### OPTICS

Precision-molded refractive acrylic lenses housed behind the door frame lens are available in three distributions. Light engines are available in standard 4000 K or optional 3000 K or 5000 K (70 CRI) configurations.

### ELECTRICAL

Light engine consists of 42 high-efficacy 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. Easily-serviceable surge protection device meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

### INSTALLATION

Universal mounting plate with integral mounting bolts supports the fixture for easy, one-person installation. Suitable for downward orientation only.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. **US. Patent No. D500,569. Canada Patent No. 107561.**

### WARRANTY

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

**Note:** 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.

