Surface Mount Awning & Soffit Fixture (SFS)
LED Soffit Multi Purpose Luminaire

IP66

SFS above canopy junction box

SFS with REDiMount

OVERVIEW	
Lumen Package (lm)	4,000 - 10,000
Wattage Range (W)	26 - 65
Efficacy Range (LPW)	122 - 153
Weight lbs (kg)	16 (7.2)

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 15/16" profile die-cast housing, with flat clear or diffused tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.

- Standard color is white and is finished with LSI's DuraGrip® polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.

- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

Optical System

- Features an array of select, mid-power, high brightness, high efficiency LED; 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).

- Symmetric distribution provides for general, even illumination under the fixture.

- Optional diffused lens available for Symmetric distribution to soften the brightness of the luminaire.

- Four Lumen Packages: 4,000, 5,000, 7,000, 10,000 Lumens.

Electrical

- Industry leading thin profile optical assembly features first of its kind integrated driver design. The optical assembly unit houses both the LED array and the LED driver eliminating the need for an external driver and driver enclosure.

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral 10kV surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards. Additional field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2). Custom lumen and wattage packages available.

- Universal voltage power supply, 120-277 VAC, 50/60 HZ.

- -40°C to 50°C (-40°F to 122°F) ambient operating temperature.

- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Installation (Standard)

- One-person installation.

- Installs in a 5" to 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit.

Controls

- Fixture dimming is accomplished via wired and wireless methods:
  - Wired - 0-10V analog low-voltage control that varies DC voltage
  - Wireless - Bluetooth Low Energy (BLE) Mesh

Installation

- Locking collar, stem kit, gasket and junction box are included and required for complete seal and support of canopy deck.

- Installs in 5" to 16" deck pan. Designed to reduce canopy penetrations and increase installation efficiency.

- Must have access to top of luminaire to secure locking collar.

Installation (REDiMount)

- REDiMount available. Patent pending 3 piece quick mounting system; components include collar, capsule and connector.

- Installs in 5" to 16" deck pan. Designed to reduce canopy penetrations and increase installation efficiency.

- Must have access to top of luminaire to secure locking collar.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.

- DesignLights Consortium® (DLC) Standard qualified product. Not all versions of this product may be DLC Standard qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

- Meets Buy American Act requirements.

- DarkSky Approved with 3000K or lower color temperature.

Surface Mount Awning & Soffit Fixture (SFS)

Type : _____

ORDERING GUIDE

TYPICAL ORDER EXAMPLE:	SFS	SC	LED	5L	50	UNV	WHT	REDI	
Prefix	**Distribution**	**Light Source**	**Lumen Package**	**Color Temperature**	**Input Voltage**	**Controls**	**Finish**	**Mounting**	**Options**
SFS - LED Soffit Fixture Surface	**SC** - Symmetric	**LED**	**4L** - 4,000 Lumens **5L** - 5,000 Lumens **7L** - 7,000 Lumens **10L** - 10,000 Lumens	**30** - 3000K *DarkSky Approved* **40** - 4000K **50** - 5000K	**UNV** - Universal Voltage (120 - 277V)	**ALBMR1** - AirlinkBlue Multi Range Motion and Photo Sensor (8-15' mounting height)	**WHT** - White **BRZ** - Bronze **BLK** - Black **MSV** -Metallic Silver	**Open Awning** **Blank** - Stem & Junction box **REDI** - REDiMount integrated junction box system	**Standard** - Diffuse Lens (DFL) **CLR** - Clear Lens

Need more information?
Click here for our glossary

Have additional questions?
Call us at (800) 436-7800

PERFORMANCE

Delivered Lumens

Lumen Package	Distribution	Lens Type	Light Source	3000K		4000K		5000K		Wattage
				Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
4L	SC	CLR	LED	4316	158	4594	168	4647	170	27
	SC	DFL	LED	3896	142	4147	151	4195	153	
5L	SC	CLR	LED	5374	157	5720	167	5786	169	34
	SC	DFL	LED	4855	142	5168	150	5228	153	
7L	SC	CLR	LED	7298	156	7768	166	7858	168	47
	SC	DFL	LED	6620	142	7046	150	7128	153	
10L	SC	CLR	LED	10689	153	11377	167	11509	165	70
	SC	DFL	LED	9692	139	10316	147	10436	150	

*LED Chips are frequently updated therefore values are nominal.

Electrical Data - Current Draw AMPS

Lumen Package	Wattage	120V	208V	240V	277V
4L	27	0.23	0.13	0.11	0.10
5L	34	0.29	0.16	0.14	0.12
7L	47	0.39	0.22	0.19	0.17
10L	70	0.58	0.34	0.29	0.25

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

Operating Temperature (Highest Lumens)

Lumen Package		
10L	Wood	50C
	Wood with insulation	40C

Recommended Lumen Maintenance - SFS SC LED 10L 40 UE WHT[1]

| Ambient Temperature °C	Initial[2]	25k hr[2]	50k hr[2]	75k hr[3]	100k hr[3]
0 C	99%	100%	100%	100%	100%
10 C	99%	100%	100%	100%	100%
20 C	99%	100%	100%	100%	100%
25 C	99%	100%	100%	100%	100%
30 C	99%	100%	100%	100%	100%
35 C	99%	100%	100%	100%	100%

1   Lumen maintenance values at 40C 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   In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

PHOTOMETRICS

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

SFS-SC-XXL

Polar Curve
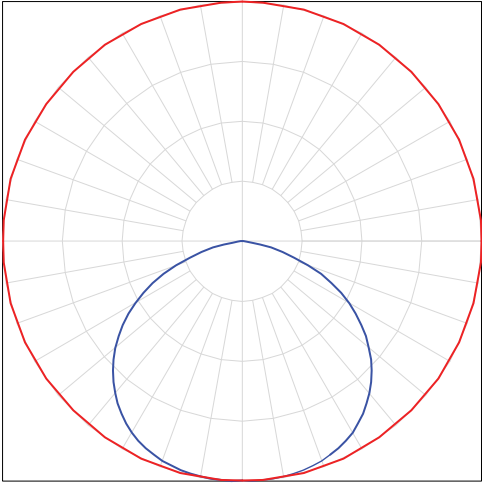
■ Vertical Plane ■ Horizontal Cone
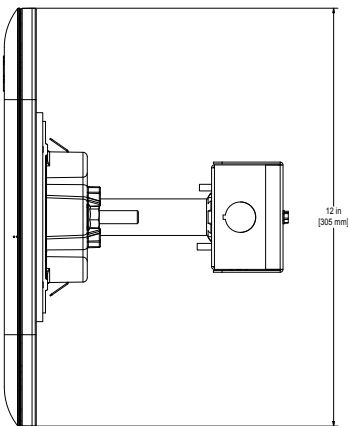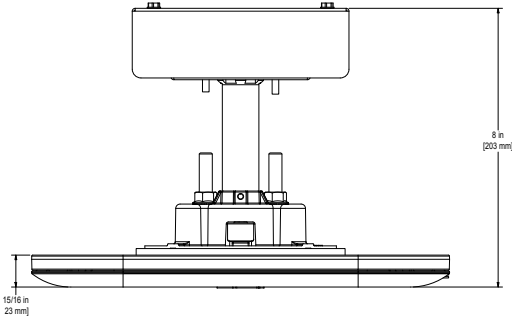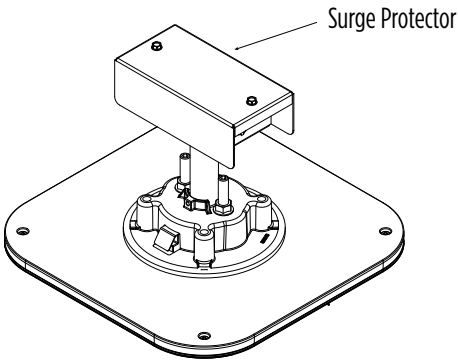
Surface Mount Awning & Soffit Fixture (SFS)

PRODUCT DIMENSIONS

12 in
[305 mm]

12 in
[305 mm]

ALBMR1 Sensor

Standard Mount

Surge Protector

8 in
[203 mm]

15/16 in
[23 mm]

12 in
[305 mm]

REDiMount

Surge Protector

10 3/8 in
[263 mm]

15/16 in
[23 mm]

12 in
[305 mm]

SPEC.0000.A.MMYY

Surface Mount Awning & Soffit Fixture (SFS)

Type : _____
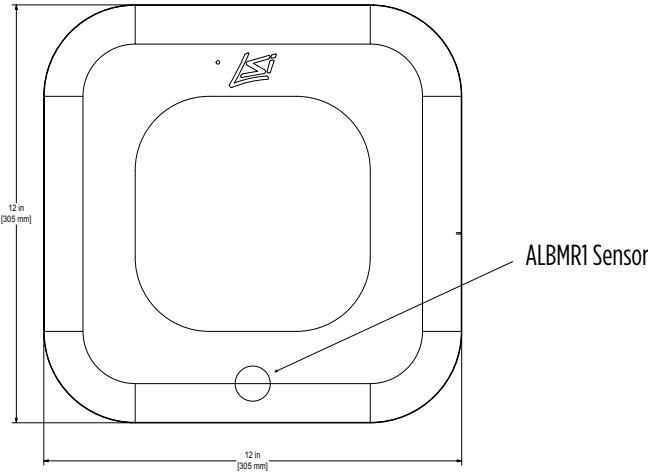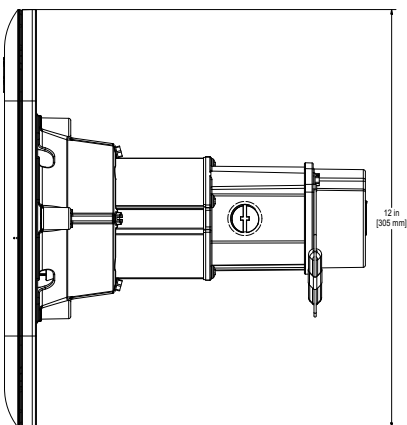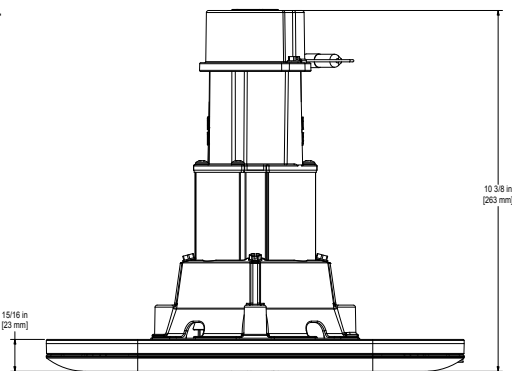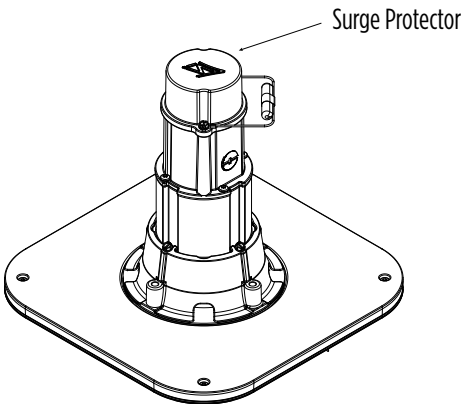
AirLink Blue (ALBMRxLR, ALBCSx)

Wireless Bluetooth Mesh Lighting Control System that incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim to provide energy savings code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App with technology partner Silvair. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more details about AirLink Blue](#)

AirLink Blue App   Apple

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
Example	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High
OMS	Motion	No Motion	N/A	N/A	N/A	30 seconds	Auto

Operation	Description
On Event	Trigger that activates lights to turn on; either automatic via motion detected or manually activated via push of button.
Off Event	Trigger that activates lights to turn off; either automatic via no motion detected or manually activated via push of button.
On Light Level	The light level that the fixtures will turn on to when ON EVENT occurs.
Dim Light Level	The light level that the fixtures will dim down to when no motion is detected.
Delay to Dim	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional, and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
Delay to Off	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
Sensitivity	The sensitivity can be set to high, medium, low, or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

SPEC.0000.A.MMYY