

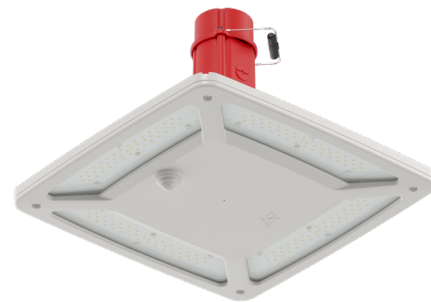


Scottsdale Vertex® (SCVX)

Petroleum Canopy Light



SCVX above canopy
junction box



SCVX with REDiMount

OVERVIEW

Lumen Package (lm)	10,000 - 23,000
Wattage Range (W)	67 - 188
Efficacy Range (LPW)	109 - 154
Weight lbs (kg)	12 (5.4)
Controls	ALBMR

QUICK LINKS

FEATURES & SPECIFICATIONS

Construction

- Rugged low-profile die-cast aluminum housing, optical unit, and driver cover.
- Below canopy access to optical chamber and driver housing for serviceability.
- IP66 rated luminaire protects integral components from dust and water.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.
- Four fasteners secure the door frame to housing. Door frame also provides quick and easy access to the electrical compartment for servicing.
- Shipping weight: 12 lbs in carton.

Optical System

- Symmetrical distribution utilizes a clear tempered flat glass lens to uniformly illuminate the area under the gas canopy.
- Combination Forward Throw distribution uses clear tempered flat glass and optical grade PMMA acrylic lens to create an industry leading unique distribution pattern to illuminate the area under the gas canopy and the area between the gas canopy and convenience store eliminating the need for extra floodlights.
- Available in 3000K, 4000K and 5000K color temperatures.
- Minimum CRI of 80.

Electrical

- High-performance factory programmable driver; features include over-voltage, undervoltage, short circuit and over temperature protection.
- Integral 6kV 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 packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz.
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 2).
- Total harmonic distortion: <20%.
- Operating Temperature
 - Mounted to Steel/Aluminum
 - 10L, 13L, 15L: -40C to +50C (-40F to +122F)
 - 20L: -40C to +45C (-40F to +133F)
 - 23L: -40C to +35C (-40F to +95F)
 - Mounted to non-metallic surfaces
 - Reduce all ambient temperature by 5C (9F)
- Power factor: >0.90.
- High-efficacy LEDs are mounted to (4) circuit boards to maximize heat dissipation.
- Driver components are fully encased in potting material for moisture resistance. Driver complies with FCC standards.

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Division 2 with all lumen packages and distributions only when properly installed per LSI installation instructions. Models with optional controls are not approved for Class 1, Division 2 applications.
 - Gas Groups A, B, C, and D - Group A: Acetylene / Group B: Hydrogen / Group C: Propane and Ethylene / Group D: Benzene, Butane, Methane & Propane.

Installation (Standard)

- Installs in a 12" or 16" deck pan.
- Four fasteners are provided for use in single deck steel canopies. Other suitable fasteners may be required and provided by others.
- Unit is designed to quickly retrofit into existing Scottsdale (4") hole.
- Aluminum locking collar and gasket are included and required for complete seal and support of canopy deck.
- Retrofit panels are available for existing Encores, Richmond, and 2x2 Universal.
- Direct mount to surface or recessed J box with hardware bracket kit ordered separately as an accessory.

Installation (REDiMount)

- Patent pending 3 piece quick mounting system; components include collar, capsule and connector.
- Designed to reduce canopy penetrations and increase installation efficiency.
- Installs in 12" or 16" deck pan.

Warranty

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

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- State of California Title 24 Compliant with controls option.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- IDA compliant with 3000K or lower color temperature.



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

ORDERING GUIDE

TYPICAL ORDER EXAMPLE: SCVX LED 13L SC UNV DIM 50 WHT ALBMR1 REDI								
Prefix	Light Source	Lumen Package	Distribution	Voltage	Color Temperature	Finish	Options	Mounting
SCVX - Petroleum Canopy Luminaire	LED	10L - 10,000 Lumens 13L - 13,000 Lumens 15L - 15,000 Lumens 20L - 20,000 Lumens 23L - 23,000 Lumens *Custom Lumens packages available, please consult factory. Values are within industry standard tolerances and not DLC listed.	SC - Standard Symmetric	UNV - Universal Voltage (120-277VAC)	40 - 4000K 50 - 5000K <u>Dark Sky Approved CCTs</u> 30 - 3000K	WHT - White BLK - Black BRZ - Bronze	Blank - None ALBMR1 - Airlink Blue (Silver) Multi Range Motion and Photo Sensor (8'-15' mounting height). See controls section for details. HL - Hazardous Location Class 1 Div 2 ²	Blank - None REDI - REDIMount integrated junction box system ^{1,2,3}
		23L - 23,000 Lumens	SCFT - Combination Standard Symmetric and Forward Throw ¹					



Need more information?
[Click here for our glossary](#)

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



ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Order Number	Description
673425R5	Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 16" Deck Panel with larger openings ⁴
676011R5	Retrofit Panel Kit - EC / ECTA / SCF to SCV, for 12" Deck Panel ⁵
673426R5	Retrofit Panel Kit - RECU Richmond to SCV
673427R5	Retrofit Panel Kit - UNV Universal 2x2 to SCV
357282	Retrofit 2x2 Cover Panel Blank (no holes)
354702	Retrofit RIC Cover Panel Blank (no holes)
557193WHT	26" X 26" Beauty Plate Kit (with 4" Center hole)
564160WHT	26" X 32" Beauty Plate Kit (with 4" Center hole)

Order Number	Description
687461	Junction Box
1320540	Kit - Hole Plugs and Sealant (enough for 25 retrofits)
678291R2WHT	Rectangular Top Plate Kit (includes top plate and sealant)
673433R5	Surface Mount Box
687462R5	Retrofit Kit - CRU/CRUS to SCV
744333	Retrofit Kit for SCM/SCV to upgrade SC/SCF/EC/ECTA White
752172R5	Bracket SCM/SCV Direct Mount with Hardware

1 0-10 low voltage wired dimming not available with REDIMount.
2 HL not compatible with Airlink Blue, 3000K, or REDIMount
3 Light fixture engine does not ship with REDIMount attached.
4 Ideal for 9" to 12" openings.
5 Ideal for 9" openings.

PERFORMANCE

Delivered Lumens										
Lumen Package	Distribution	Lens Type	CRI	3000K CCT		4000K CCT		5000K CCT		Wattage
				Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
10L	SC	Glass	80	9338	148	9997	159	9887	157	63
13L	SC	Glass	80	12013	147	12894	156	13150	161	82
15L	SC	Glass	80	14092	144	15087	154	14921	152	98
20L	SC	Glass	80	19113	145	20099	153	20599	156	132
23L	SC	Glass	80	21320	141	23250	150	23251	156	152
23L	SCFT	Acrylic/Glass	80	21442	134	23083	143	23234	145	161

*LED Chips are frequently updated therefore values are nominal.

Electrical Data (AMPS)					
Lumen Package	Wattage	120V	208V	240V	277V
10L	63	0.53	0.30	0.26	0.23
13L	82	0.68	0.39	0.34	0.30
15L	98	0.82	0.47	0.41	0.35
20L	132	1.10	0.63	0.55	0.48
23L	152	1.27	0.73	0.63	0.55
23L SCFT	161	1.34	0.77	0.67	0.58

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

Recommended Lumen Maintenance 15L SC ¹					
Ambient Temperature °C	Initial ²	25k hr ²	50k hr ²	75k hr ³	100k hr ³
0 C	100%	95%	90%	85%	80%
10 C	100%	95%	90%	85%	80%
15 C	100%	95%	90%	85%	80%
20 C	100%	95%	90%	85%	80%
25 C	100%	95%	89%	84%	79%
30 C	100%	94%	89%	83%	78%
40 C	100%	94%	88%	82%	76%
45 C	100%	94%	87%	81%	76%
50 C	100%	93%	87%	80%	75%

Recommended Lumen Maintenance 23L SC ¹					
Ambient Temperature °C	Initial ²	25k hr ²	50k hr ²	75k hr ³	100k hr ³
0 C	100%	95%	90%	85%	80%
10 C	100%	95%	90%	85%	80%
20 C	100%	95%	89%	84%	78%
25 C	100%	94%	88%	83%	78%
30 C	100%	94%	88%	82%	77%
35 C	100%	94%	87%	81%	76%

Recommended Lumen Maintenance 23L SCFT ¹					
Ambient Temperature °C	Initial ²	25k hr ²	50k hr ²	75k hr ³	100k hr ³
0 C	100%	95%	90%	85%	80%
10 C	100%	95%	89%	84%	79%
20 C	100%	94%	88%	83%	78%
25 C	100%	94%	88%	82%	77%
30 C	100%	94%	88%	82%	76%
35 C	100%	94%	87%	81%	75%

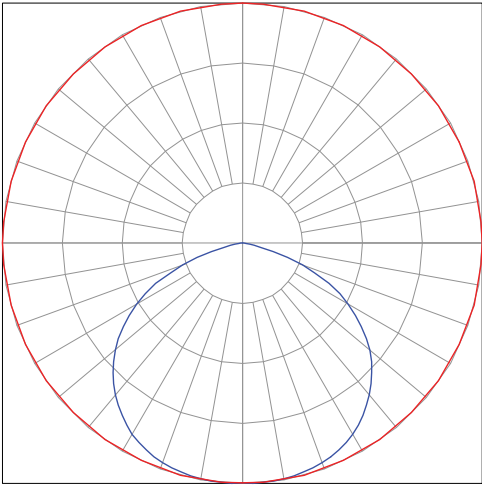
1 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
2 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
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 an 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.

SCVX-SC

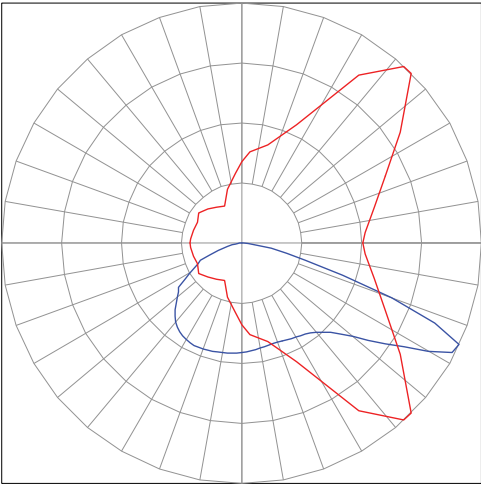
Polar Curve



 Vertical Plane  Horizontal Cone

SCVX-SCFT

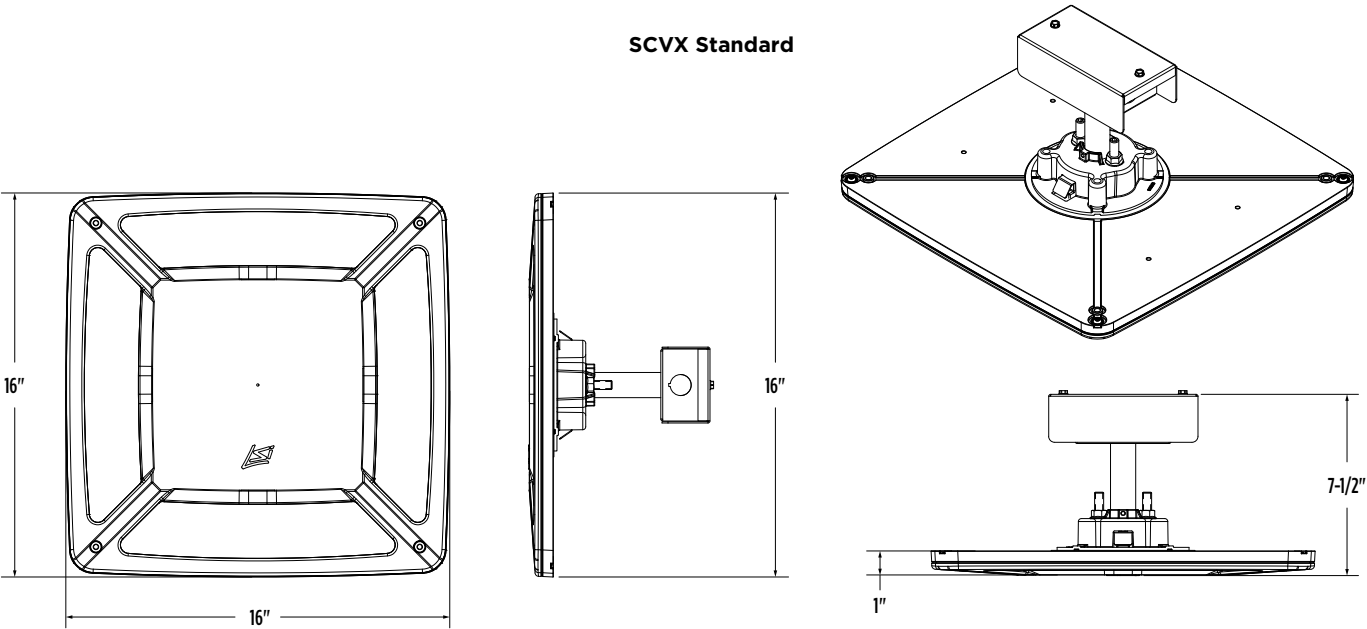
Polar Curve



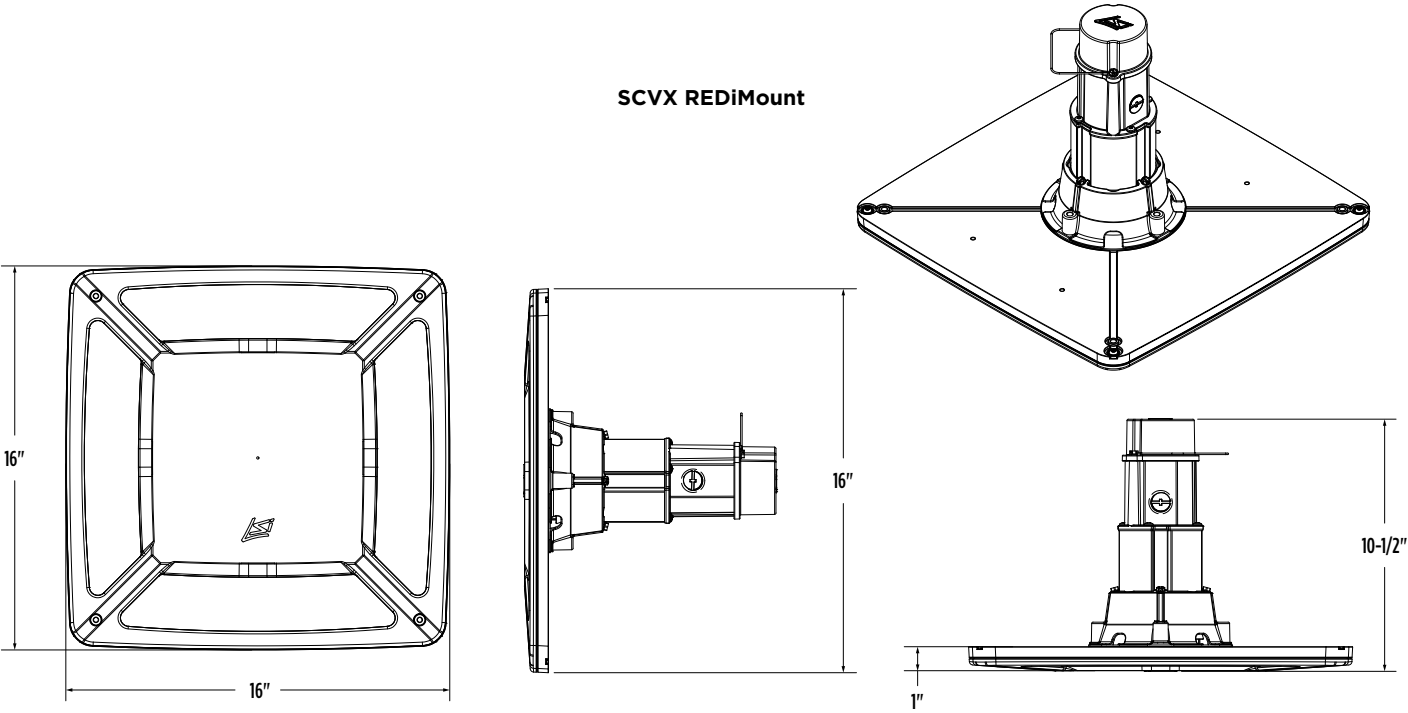
 Vertical Plane  Horizontal Cone

PRODUCT DIMENSIONS

SCVX Standard



SCVX REDiMount



CONTROLS

AirLink Blue (ALBMR1)

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


Technology Partner **SILVAIR**

Sensor Sequence of Operations

Standard Programming	On Event	Off Event	On Light Level	Dim Light Level	Daylight Harvesting	Delay To Off	Sensitivity
OMSBTxL/IMSBTxL	Motion	No Motion	100%	N/A	On; Auto Calibration	20 minutes	High
OMSx	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.