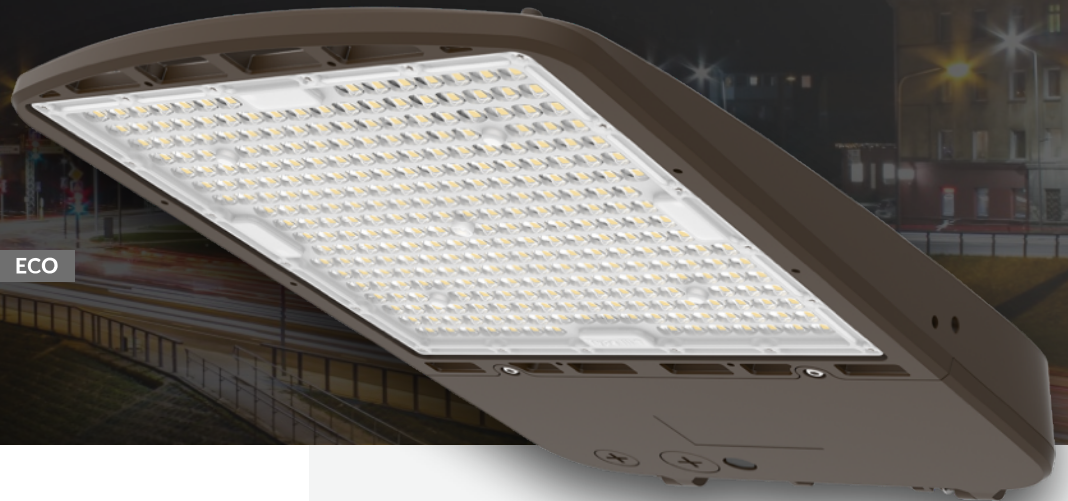


luxo **ARCH**

# LSBX | Heritage

ECO

Product Data Sheet



COMMERCIAL-GRADE

## LED Area Light Luminaire



WATTselect



CCTselect



NLC Compliant

70W — 300W

### Product Overview

**INTENDED USE** — The Heritage-series shoebox area luminaire features outstanding photometric performance, uniform illumination, low-profile design, high efficacy, long lifespan, and easy installation. The one piece die-cast aluminum housing with UV resistant powder coated finish offers outstanding corrosion protection. Ideal for use in various commercial environments, such as auto dealerships, parking lots, walkways, roadways, campuses, facade lighting, grocery stores and other public areas.

The photometric performance yields superior uniformity in locations with increased pole spacing and reduced power density.

**CONSTRUCTION** — The durable cast-aluminum housing is finished with bronze polyester powder paint for long-lasting quality. The side-hinged door allows for easy installation and maintenance. Castings are sealed with a one-piece gasket to keep out external contaminants. This product is suitable for outdoor use, rated for installations with a minimum ambient temperature of -40°F.

**OPTICS** — The advanced optical design combines reflector and refractor technologies to improve illumination and extend throw distance, effectively directing light to specific areas. Crafted from high-grade polycarbonate, the refractor is carefully engineered to optimize light extraction, creating a radiant luminaire that enhances nighttime aesthetics. The UV-stabilized polycarbonate lens provides vandal resistance and improved light dispersion for better visibility.

**ELECTRICAL** — The light engine comprises long-lasting, energy-efficient LEDs mounted on an internal aluminum heat sink. This setup improves heat dissipation and extends the product's lifespan. These LEDs maintain 90% of their light output even after 50,000 hours of continuous operation.

ARCHIPELAGO luminaires and LED components has been tested by independent laboratory in accordance to IESNA LM79 and LM80. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Furthermore, the range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Applications



Parking Lots



Facade



Roadways



General Public

### Main Features

- Low Profile, Rugged One-Piece Die Cast Aluminum Housing
- Comes Pre-Installed With Build-In Receptacle and Shortening Caps
- Multiple installation accessories: Slip-Fitter, Adjustable Art, Fixed Arm, Trunnion, Yoke, Slip-Fitter Long Arm, Fixed Adapter Arm
- Built-In 6KVA and Available With In-Line 10KVa SPD
- Respirator Features Internal Air Pressure Management to Avoid Lens Distortion and Water-Proof Failure Over Time
- Dark Sky Conforming Optics Available in IES Type III, IV, or V
- UL, CUL & FCC listed for wet location, IP65 Rated
- WATTselect and CCTselect
- Operating Temp: -40°F-113°F

### Product Warranty\*



5-Year Warranty



50,000 Hrs

\* Standard warranty. Extended warranty available.



Project Details






Project Name:

Fixture Schedule:

Project Number:

Notes:

Highlights

Features	Description	
3-WATTselect		Wattage selectable: 3-way dip-switch
3-CCTselect		CCT selectable: 3-way dip-switch
blueARCH™ Controls		SIG-qualified Bluetooth Mesh lighting control solution Technology by Silvair
High Performance		Up to 300W, replacing up to 1000W MH
Contractor Ready Kit		All Heritage-series ships pre-installed with photocell-receptacle and shortening cap. Photocells are optional.

Key Specifications

- **Housing:** One-Piece Die-Cast Aluminum Body with Die-Cast Hinge Driver Access for Easy Installation
- **Operating Temp:** -40°F — 113°F
- **Input Voltage:** 120-277Vac
- **IP:** UL Wet Location Listed
- **PF:** >0.9 Non-Flicker
- **Efficacy:** 150LM/W
- **Dimming:** Photocell-Ready
- **THD:** <20%
- **CRI:** >80

Certifications



Model Specifications

Model	WATTselect (W)	Lumen (lm)	Efficacy (lm/W) <sup>1</sup>	CCTselect (K)	Voltage (V)	CRI	Optics	Photocell	Finish	Equiv. (W MH)
LSBX3W150-3H1-UD	70W	10,500lm	150lm/W	3000K 4000K 5000K	120-277V	>80	Type-III (Standard)  Type-II Type-IV Type-V (Optionally Available)	Photocell Ready	Bronze	250W MH
	100W	15,000lm	150lm/W							320W MH
	150W	22,500lm	150lm/W							400W MH
LSBX3W300-3H1-UD	200W	30,000lm	150lm/W							750W MH
	240W	36,000lm	150lm/W							850W MH
	300W	45,000lm	150lm/W							1000W MH

1. Default settings on WATTselect and CCTselect is max wattage and highest CCT.  
2. Measured at 5000K.

**Dark Sky Compliant**

Dark Sky Conforming Optics  
Available in IES Type III, IV, or V.

**Rugged Die-Cast Aluminum Housing**

Low profile, rugged one-piece die-cast aluminum body with die-cast hinged driver provides access for easy installation.

**Photocell-Ready**

Offers automatic dusk-to-dawn operation for convenience, energy savings, and security in one.

**Protection Level: Wet Locations**

Heritage-Series flood light fixtures are specifically designed and sealed to withstand exposure to rain, snow, and other forms of moisture.

**WATTselect + CCTselect**

The ultimate in utility & versatility. Each Heritage is capable of switching wattage and CCT through an onboard dip-switch.

**Respirator**

Respirator features internal air pressure management to avoid lens distortion and water-proof failure over time.

**Sensor Ready**

Each Heritage is sensor ready for plug-n-play PIR bi-level or even bluetooth NLC.

**Ordering Guide<sup>1</sup>**

Model Series	WATTselect (W)	CCTselect (K)	Series	Voltage	Finish <sup>2</sup>	Distribution <sup>3</sup>	Photocell Ready
<b>LSBX</b> LED Area Light	<b>3W150</b> 150W Max <b>3W300</b> 300W Max	<b>3</b> 3-CCTselect: 3000K 4000K 5000K	<b>H1</b> Heritage	<b>U</b> 120-277V	<b>D</b> Dark Bronze <b>B</b> Black <b>W</b> White <b>#</b> Custom RAL#	<b>2</b> Type-II <b>3</b> Type-III <b>4</b> Type-IV <b>5</b> Type-V	<b>RB3</b> 3-Pin Receptacle Base w/ Shortening Cap
<b>CATALOG #:</b>							
<b>LSBX</b>		<b>3</b>	<b>H1</b>	<b>U</b>		<b>3</b>	<b>RB3</b>

**Options Guide<sup>4</sup>**

Mount	Photocell	Sensors	Surge Protection <sup>5</sup>	Tenon Adaptor
<input type="checkbox"/> <b>RS</b> Round/Square Pole <input type="checkbox"/> <b>SF</b> Slip-Fitter <input type="checkbox"/> <b>TN</b> Trunnion/Wall <input type="checkbox"/> <b>UA</b> Universal Mount	<input type="checkbox"/> <b>MU3</b> 3-Pin / 120-277V	<input type="checkbox"/> <b>BLS</b> PIR Bi-Level Sensor <input type="checkbox"/> <b>RM</b> Remote Control (for bi-level sensor) <input type="checkbox"/> <b>NLC</b> blue $\Delta$ RCH™ Controls PIR Bi-Level Sensor	<input type="checkbox"/> <b>SP10U</b> 10KV <sub>a</sub> / 277V <input type="checkbox"/> <b>SP10H</b> 10KV <sub>a</sub> / 480V <input type="checkbox"/> <b>SP20U</b> 20KV <sub>a</sub> / 277V <input type="checkbox"/> <b>SP20H</b> 20KV <sub>a</sub> / 480V	See <b>Tenon Accessories</b> Section
<b>OPTIONAL ACCESSORIES #:</b>				

**NOTE:**

- Only one selection may be applicable within the same category.
- Standard finish is Dark Bronze. Service fees applicable for different finishing.
- Standard distribution is Type-III. Service and material fees applicable for optional optics.
- Multiple selections may be applicable within the same option category. See Compatible Accessories below for details.
- Standard driver on-board SPD = 6KV<sub>a</sub>



Area Lighting EPA

<div>Model Series</div>	<div></div>						
	<div>1</div>	<div>2 @ 90°</div>	<div>2 @ 120°</div>	<div>2 @ 180°</div>	<div>3 @ 90°</div>	<div>3 @ 120°</div>	<div>4 @ 90°</div>
	LSBX3W150-3H1	0.3111	0.6343	0.6464	0.6222	0.9335	0.9696
	LSBX3W300-3H1	0.4097	0.7227	0.9919	0.8856	1.1986	1.3049

DLC Model Guide

Product ID	Model No.	DLC	Controls	Lumen	Efficacy	CCT	THD	PF
S-C8S497	LSBX3W150-3H1-UD	Premium	Yes	22,500lm/w	150lm/W	3000K   4000K   5000K	20%	0.9
S-TV6N0V	LSBX3W300-3H1-UD	Premium	Yes	45,000lm/w	150lm/W	3000K   4000K   5000K	20%	0.9

Sizing & Measurements

Model Series	Width (in)	Height (in)	Depth (in)	Net Weight (lb)	Carton Qty	Measurements
LSBX3W150-3H1	9.84	16.22	2.37	6.72	1	<div></div>
LSBX3W300-3H1	13.31	21.14	2.37	10.58	1	<div></div>
















blueARCH™ Controls: Area Light Applications

Commission your own blueARCH™ Controls NLC deployment












<div>Planning</div> <div>Web App</div>		<div>1. <b>Plan Light Behavior:</b> Decide how lights function in each area.</div> <div>2. <b>Set Up Project:</b> Create a project and invite collaborators.</div> <div>3. <b>Zone &amp; Profile:</b> Map your space, define zones, and configure lighting settings (cloud-based).</div>	<div></div> <div>Motion Sensor</div>
<div>Implementation</div> <div>Mobile App</div>		<div>4. <b>Install Devices:</b> Add lights, sensors following the pre-configured plan.</div> <div>5. <b>Assign Switches:</b> Link physical switches to their zones.</div> <div>6. <b>Calibrate Sensors:</b> Fine-tune ambient light sensors for optimal performance.</div>	<div></div> <div>SIG Mesh to DALI</div>
<div>Verification</div> <div>Mobile   Web App</div>		<div>7. <b>Verify Functionality:</b> Ensure everything works as planned (no area errors).</div> <div>8. <b>Mesh Check:</b> Test mesh network strength.</div> <div>9. <b>Review Report:</b> Analyze commissioning results.</div>	<div></div> <div>Network Relay</div>



## Tenon Accessories

SKU	Accessory	Tenon (in)	Width (in)	Length (in)	Height (in)	Description
 SP-TR-D	Pole Bracket - Tenon & Yoke Adaptor	2.375 OD	4.00	6.08	4.28	For use to mount LSBX fixtures that are equipped with yoke mount onto 2-3/8" OD tenon. <b>Finish:</b> Dark bronze
 SQR2-180-D-R60	Double 180° Horizontal Tenon Adaptor	2.375 OD	3.00	4.00	7.23	For use to mount with two LSBX fixtures to round external mount. Horizontal tenon and adjusted 180° horizontally. <b>Finish:</b> Dark bronze
 SQR2-90-D-R60	Double 90° Horizontal Tenon Adaptor	2.375 OD	3.00	4.00	7.23	For use to mount with two LSBX fixtures to round external mount. Horizontal tenon and adjusted 90° horizontally. <b>Finish:</b> Dark bronze
 SQR3-120-D-R60	Triple 120° Horizontal Tenon Adaptor	2.375 OD	3.00	4.00	7.23	For use to mount with three LSBX fixtures to round external mount. Horizontal tenon and adjusted 120° horizontally. <b>Finish:</b> Dark bronze
 SQR3-90-D-R60	Triple 90° Horizontal Tenon Adaptor	2.375 OD	3.00	4.00	7.23	For use to mount with three LSBX fixtures to round external mount. Horizontal tenon and adjusted 90° horizontally. <b>Finish:</b> Dark bronze
 SQR4-90-D-R60	Quad 90° Horizontal Tenon Adaptor	2.375 OD	3.00	4.00	7.23	For use to mount with four LSBX fixtures to round external mount. Horizontal tenon and adjusted 90° horizontally. <b>Finish:</b> Dark bronze
 SQRD-4SQ	4" Square Pole Mount	2.375 OD	3.00	4.00	7.23	For use with square, non-tapered steel & aluminum poles. <b>Finish:</b> Dark bronze
 SQRD-4SQR	4" Round Pole Mount	2.375 OD	4.00	4.20	8.76	For use with round, non-tapered steel & aluminum poles. <b>Finish:</b> Dark bronze
 SQRD-5SQ	5" Square Pole Mount	2.375 OD	3.00	5.00	7.23	For use with square, non-tapered steel & aluminum poles. <b>Finish:</b> Dark bronze
 SQRD-5SQR	5" Round Pole Mount	2.375 OD	4.00	5.19	8.76	For use with round, non-tapered steel & aluminum poles. <b>Finish:</b> Dark bronze
 SQRD-SQ	Horizontal Tenon Mid-Pole Bracket	2.375 OD	3.94	7.28	7.09	For use to mount LSBX fixtures that are equipped w/ slip-fitter mount onto 2-3/8" OD tenon. <b>Finish:</b> Dark bronze
 SQRD-WM	90° Wall Mount Bracket	2.375 OD	4.00	7.76	6.00	For use to mount LSBX fixtures that are equipped with yoke mount onto 2-3/8" OD tenon. <b>Finish:</b> Dark bronze
 LSBX-RB3/120D/5	Bullhorn / Round 120° Triple	2.375 OD				For use to mount onto 2-3/8" round poles / vertical tenon. Up to three LSBX fixtures may be mounted in 120°. <b>Finish:</b> Dark bronze
 LSBX-RB2/180D/5	Bullhorn / Round 180° Double	2.375 OD				For use to mount onto 2-3/8" round poles / vertical tenon. Up to two LSBX fixtures may be mounted horizontally 180°. <b>Finish:</b> Dark bronze
 LSBX-RB3/180D/5	Bullhorn / Round 180° Triple	2.375 OD				For use to mount onto 2-3/8" round poles / vertical tenon. Up to three LSBX fixtures may be mounted horizontally 180°. <b>Finish:</b> Dark bronze

### Compatible Accessories

Category	Ordering Code	Model No.	Description	Sub-Assembly & Compatible Controllers		
				Ordering Code	Model No.	Description
Mount	 <b>RS</b>	<b>LSBX-H1/RS</b>	Mount / Round/Square Pole			
	 <b>SF</b>	<b>LSBX-H1/SF</b>	Mount / Slip-Fitter			
	 <b>TN</b>	<b>LSBX-H1/TN</b>	Mount / Trunnion			
	 <b>UA</b>	<b>LSBX-H1/UA</b>	Mount / Universal Mount			
Photocell	 <b>UM3</b>	<b>LSBX-L1/PCS/UM3</b>	120 - 277V   3-Pin			
Sensor	 <b>BLS</b>	<b>MSM-HTO/07P3/BLS</b>	PIR Bi-Level Sensor	 <b>RM</b>	<b>RM-HT/06S</b>	H-Series w/ LCD Display
	 <b>NLC</b>	<b>MSP-SRO/903P3/NLC</b>	Silvair BTLE NLC   PIR blue <i>ARCH</i> ™ Controls <i>Technology by SILVAIR</i>	 <b>DCT</b> <b>DDI</b>	<b>CSR-DCT/2421</b> <b>CSR-DDI/2421</b>	SIG Mesh to DALi
				 <b>SVV</b> <b>SVVT</b>	<b>RSR-SVV/2421</b> <b>RSR-SVVT/2421</b>	Networked Relay Device
Surge Protection	 <b>SP10U</b> <b>SP10H</b> <b>SP20U</b> <b>SP20H</b>	<b>10SP/277</b> <b>10SP/480</b> <b>20SP/277</b> <b>20SP/480</b>	In-Line SPD   10KVa   277V In-Line SPD   10KVa   480V In-Line SPD   20KVa   277V In-Line SPD   20KVa   480V			