

Luxo **ARCH**

LSBX | Liberty

Product Data Sheet



COMMERCIAL-GRADE

LED Area Light Fixtures



100W — 450W

Product Overview

INTENDED USE — The Liberty-series area light shoebox luminaire is constructed of rugged one-piece die-cast aluminum housing, optimized for protection against moisture and environmental contaminants and engineered for efficient product maintenance.

CONSTRUCTION — Die-cast aluminum housing with a corrosion-resistant polyester powder coat finish and UV stabilized polycarbonate optics.

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.

OPTICS — Innovative optical swap capability for rapid tool-less lens swap. By integrating it within the door frame and latch design, contractors can seamlessly switch out lenses to adapt to different lighting conditions or layouts. This innovative feature enhances the versatility and convenience, offering a hassle-free way to optimize their equipment for optimal performance.

WARRANTY — ARCHIPELAGO warrants the Liberty shall be free from defects in materials and workmanship for a period of 7-Year, 75,000hr from the date of delivery to the enduser, including coverage of light output, color stability, and driver performance.

ARCHIPELAGO luminaires and LED components has been tested by independent laboratory in accordance to IESNA LM79 and LM80. LED color temperature is warranted 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

- Field-Swappable Optics / Magnetically Locks into Place
- Low Profile, Rugged One-Piece Die Cast Aluminum Housing
- Bespoke Universal Mount / Capable of Straight-Arm or Slip-Mount
- 3G Vibration Rated Compact Design Minimizes Wind Load Requirements
- True U0 Design for Dark Sky Compliant, Eliminates Undesirable Sky Glow
- 100,000hr LED Lifespan Based on IES LM-80 and TM-21 Calculations
- Optional Finish is Available in Black, Dark Bronze, Silver, or White
- Dark Sky Conforming Optics Available in IES Type III, IV, or V
- Scalable Lumen Packages Replacing Up To 2000W MH
- Optional Photocell and Occupancy Sensors Available

Product Warranty*



7-Year Warranty



75,000 Hrs

* Standard warranty. Extended warranty available.



Project Details

Project Name:

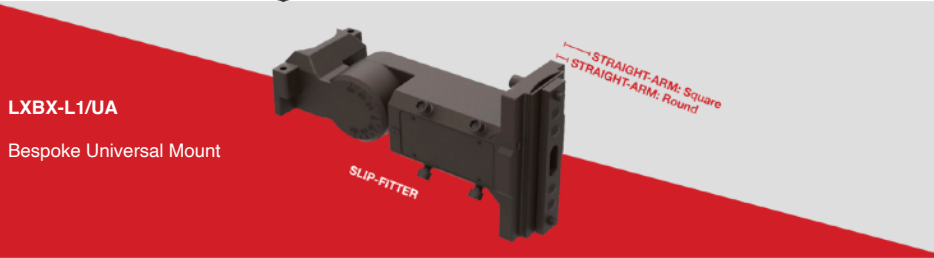
Fixture Schedule:

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.
High Performance	Up to 450W, replacing up to 2,000W MH
Standard Extended Warranty	Up to 7-Year, 75,000 Hrs



LXBX-L1/UA

Bespoke Universal Mount

Key Specifications

- **Housing:** Thermally conductive die-cast aluminum
- **Operating Temp:** -40°F – 122°F
- **Input Voltage:** 120-277Vac or 277-480Vac
- **IP:** UL Wet Location Listed
- **PF:** >0.9 Non-Flicker
- **Efficacy:** 140LM/W
- **Dimming:** 1-10V
- **THD:** <20%
- **CRI:** >80
- **Beam Angle:** Type-III std, Type-IV and Type-V optional

Certifications



Model Specifications

Model	WATTselect (W)	Lumen (lm)	Efficacy (lm/W) ¹	CCTselect (K)	Voltage (V)	CRI	Optics	Finish	Equiv. (W MH)															
LSBX100-3CS	50W	7,700lm	154lm/W	3000K 4000K 5000K	120-277V 277-480V	>80	Type-III (Standard) Type-II Type-IV Type-V (Optionally Available)	Bronze (Standard) Black White RAL# (Optionally Available)	250W MH 320W MH															
	75W	11,550lm	154lm/W						400W MH 750W MH															
	100W	15,400lm	154lm/W						750W MH 1000W MH															
LSBX200-3CS	120W	17,880lm	149lm/W						3000K 4000K 5000K	120-277V 277-480V	>80	Type-III (Standard) Type-II Type-IV Type-V (Optionally Available)	Bronze (Standard) Black White RAL# (Optionally Available)	400W MH 750W MH										
	150W	22,350lm	149lm/W											750W MH 1000W MH										
	200W	29,800lm	149lm/W											1000W MH 2000W MH										
LSBX300-3CS	220W	32,120lm	146lm/W											3000K 4000K 5000K	120-277V 277-480V	>80	Type-III (Standard) Type-II Type-IV Type-V (Optionally Available)	Bronze (Standard) Black White RAL# (Optionally Available)	1000W MH 2000W MH					
	250W	36,500lm	146lm/W																2000W MH					
	300W	43,800lm	146lm/W																					
LSBX450-3CS	350W	51,800lm	148lm/W																3000K 4000K 5000K	120-277V 277-480V	>80	Type-III (Standard) Type-II Type-IV Type-V (Optionally Available)	Bronze (Standard) Black White RAL# (Optionally Available)	
	400W	59,200lm	148lm/W																					
	450W	66,600lm	148lm/W																					

1. Measured at 4000K



Quick Access Lens Clips

Easily change lens by opening quality sturdy security clips that open with a satisfying sound.

Advanced Lensing

Designed for maximum luminous output and to withstand high-temperature environments while adhering to low-UGR standards.

Field Swappable Optics

Available in IES Type III, IV, & V optics and easily swappable.

Optional Sensor

Helps maximize security and energy savings. NLC blueARCH enabled smart sensor available.

Mounting Options

Featuring a bespoke universal mount capable of straight-arm & slip-fitter in one unit, or also available in standard straight-arm, slip-fitter, and trunnion.

Optional Photocell

Optional twist-lock photo-control for greater energy savings.

High Quality Sealed Housing

Wet Location rated sealed housing that is built with quality heavy duty build to last die-cast steel.

Ordering Guide

Model Series	Watt (W)	CCT (K)	Voltage (V)	Product Series	Finish
LSBX Area Light	100 100W Max 150 150W Max 200 200W Max 300 300W Max 450 450W Max	-3CS 3-CCTselect: 3000K 4000K 5000K	-U 120-277V ¹ -H 277-480V ²	L Liberty	D Dark Bronze S Silver W White

1. Standard fixture is in 120-277V

2. When used in 480V environment, fixture shall be paired with an appropriate step-down transformer for easy field-installation. See Optional Accessories for reference.

Optional Accessories

(1) Sensors	(2) Surge Protection	(3) Photocell	(4) Optics	(5) Glare Shield	(6) Mounts	(7) Tenon Adaptor
/BLS Bi-Level Sensor /NLC NLC Compliant	/277 10SP/277 20SP/277 /480 10SP/480 20SP/480	/PCC L1/PCC /HM3 L1/PCS /UM3 L1/PCS /UM7 L1/PCS	/OT3/100 100W/T-III /OT4/100 100W/T-IV /OT5/100 100W/T-V /OT3/200 200W/T-III /OT4/200 200W/T-IV /OT5/200 200W/T-V /OT3/300 300W/T-III /OT4/300 300W/T-IV /OT5/300 300W/T-V	/S200 L1/S200 /S300 L1/S300	/RS L1/RS /SF L1/SF /TN L1/TN /UA L1/UA	See Tenon Accessories Section

Choose your model specifications:

LSBX	100	-3CS	-H	L	D	/NLC	/325	/HM3	/OT3/100	/S200	/SF	-
Model Series	Watt (Max)	CCT	Voltage	Product	Finish	(1) Sensor	(2) Surge	(3) Photocell	(4) Optics	(5) Shield	(6) Mounts	(7) Tenon

Ordering number example:

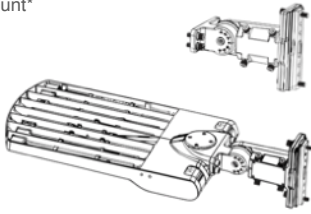
LSBX100-3CS-HLD/NLC/325/HM3/OT3/100/S200/SF

Please place dashes (-) and forward slashes (/) for optional accessories in the correct order.

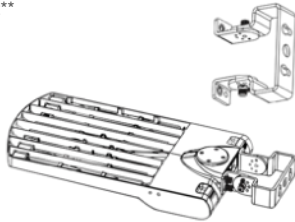


Mounting Options *Default | **Optional

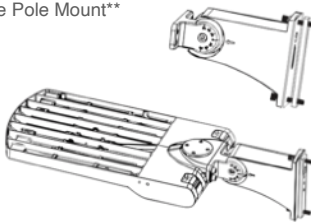
Universal Mount*



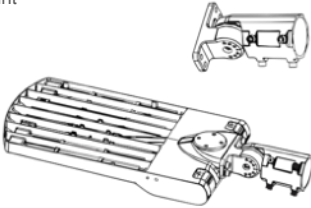
Trunnion Mount**



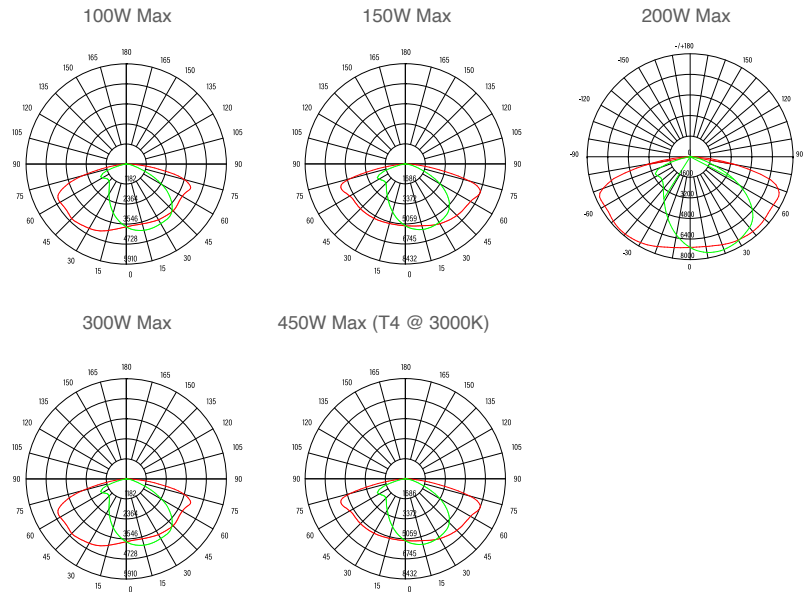
Round/Square Pole Mount**



Slip-fitter Mount**



Photometrics Standard Optics



blueARCH™ Controls



SIG-qualified Bluetooth Mesh lighting control solution. Technology by SILVAIR.

Area Lighting EPA

Watt	1	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°	2 Side/Side	3 Side/Side	4 Side/Side
Layout										
100W Max	0.40	0.61		0.81	1.01	0.72	1.01	0.41	0.61	0.81
200W Max	0.44	0.66		0.88	1.10	0.78	1.10	0.44	0.67	0.89
300W Max	0.46	0.72		0.92	1.18	0.84	1.18	0.52	0.79	1.05

DLC Model Guide

Product ID	Model No.	DLC	Controls	Lumen	Efficacy	CCT	THD	PF
S-YLF0VX	LSBX100-3CS-ULa/f/d/c/	Premium	Yes	14,838lm	150lm/W	3000K — 5000K	15%	0.9
S-O5CRJB	LSBX150-3CS-ULa/f/d/c/b	Premium	Yes	20,699lm	131.59lm/W	3000K — 5000K	15%	0.9
S-SH530Y	LSBX200-3CS-ULa/f/d/c/b	Premium	Yes	28,065lm	144.45lm/W	3000K — 5000K	15%	0.9
S-OQ8YVI	LSBX300-3CS-ULa/f/d/c/b	Premium	Yes	42989lm	143.42lm/W	3000K — 5000K	15%	0.9










Sizing & Measurements

Watt		Slip-Fitter	Round/Square Pole	Trunnion	Universal
100W 150W	L (in)	26.96	28.62	25.43	28.26
	W (in)	11.18	11.18	11.18	11.18
	D (in)	3.11	6.29	2.95	6.29
200W	L (in)	26.97	28.62	26.97	28.27
	W (in)	11.18	11.18	11.18	11.18
	D (in)	3.11	6.30	3.11	6.30
300W	L (in)	28.15	31.38	29.69	30.98
	W (in)	13.86	13.86	13.86	13.86
	D (in)	2.95	6.30	3.15	6.30
450W	L (in)	32.40	34.00	30.50	33.60
	W (in)	14.90	14.90	14.90	14.90
	D (in)	3.60	6.30	3.10	6.30















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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: 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. Finish: Dark bronze



Compatible Accessories

Category		Model No.	Sub-Assembly & Compatible Controllers
Photocell / Shortening Cap		LSBX-L1/PCC	
Photocell / 277-480V / 3-Piin		LSBX-L1/PCS/HM3	
Photocell / 120-277V / 3-Piin		LSBX-L1/PCS/UM3	
Photocell / 120-277V / 7-Piin		LSBX-L1/PCS/UM7	
Optics / 100W Max / Type-III		LSBX-L1/OT3/100	
Optics / 100W Max / Type-IV		LSBX-L1/OT4/100	
Optics / 100W Max / Type-V		LSBX-L1/OT5/100	
Optics / 200W Max / Type-III		LSBX-L1/OT3/200	
Optics / 200W Max / Type-IV		LSBX-L1/OT4/200	
Optics / 200W Max / Type-V		LSBX-L1/OT5/200	
Optics / 300W Max / Type-III		LSBX-L1/OT3/300	
Optics / 300W Max / Type-IV		LSBX-L1/OT4/300	
Optics / 300W Max / Type-V		LSBX-L1/OT5/300	
Mount / Round/Square Pole			LSBX-L1/RS
Mount / Slip-Fitter		LSBX-L1/SF	
Mount / Trunnion		LSBX-L1/TN	
Mount / Universal Mount		LSBX-L1/UA	
Glare Shield / 200 Max		LSBX-L1/S200	
Glare Shield / 300 Max		LSBX-L1/S300	
Sensor / Bi-Level Sensor		MSM-HTO/07/BLS	RM-HT/05S Controller
Sensor / NLC Compliant		MSM-HTO/09/NLC	blueARCH™ Controls Technology by SILVAIR

