

COMMERCIAL-GRADE
LED Back-Lit Panel


WATTselect



CCTselect



Dual-Listed



NLC Compliant

1x4 / 2x2 / 2x4
Product Overview

INTENDED USE — The LBLP ventiARCH-Series is built for 4-way switchable power and CCT using dip-switches to choose between four wattage and CCT ranges for use in offices, schools, hospitalities and other indoor spaces.

Featuring seamless light distribution that is superior to edge-lit panels with higher structural integrity due to its aluminum alloy body and optimized driver integration, the LBLP-Series replaces all your work area lighting needs.

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 — Featuring seamless light distribution that is superior to edge-lit panels with higher structural integrity due to its aluminum alloy body and optimized driver integration, the LBLP-Series replaces all your work area lighting needs.

WARRANTY — ARCHIPELAGO warrants the ventiARCH 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 undergo rigorous testing by an independent laboratory to meet IESNA LM-79 and LM-80 standards for light output and lumen maintenance. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Applications


Office Space



School



Hospitals



Commercial Buildings

Main Features

- Selectable Wattage and CCT Through Driver-Based Dip-Switches
- Advanced Lens for Superior Non-Fade Luminous Output
- Strengthened Ultra Lightweight 6063 Aluminum Frame
- Microchip Programed Light-Engine for Consistent CCT
- High-Density LED Chips for Uniform Light Output
- Easy Installation & Low Maintenance Cost
- 7-Year, 75,000Hr Warranty
- UL Damp Location Listed
- DLC Premium Listed

Product Warranty*


7-Year Warranty








75,000 Hrs

* Standard warranty. Extended warranty available.



Highlights

Features	Description
5-WATTselect	 Wattage selectable: 5-way dip-switch
4-CCTselect	 CCT selectable: 4-way dip-switch
blueARCH™ Controls	 SIG-qualified Bluetooth Mesh lighting control solution. Technology by Silvar.
PRO+ Premium Solution	 Everything you need.
Dual-Listed	 Maximize your rebates. Choose from Ambient to Low-Bay listings.



Model Specifications

Model	WATTselect (W)	Lumen (lm)	CCTselect (K)	Voltage (V)	Efficacy (lm/W)
LBLEP14	20W /	2,600lm /	3000K /	120-277V	130LM/W
LBLEP22	25W /	3,250lm /	3500K /		
	30W /	3,900lm /	4000K /		
LBLEP24	35W /	4,500lm /	5000K *		
	40W*	5,200lm *			
	25W /	3,250lm /			
	30W /	3,900lm /			
	35W /	4,500lm /			
	40W /	5,200lm /			
	50W*	6,500lm *			

* NOTE: Factory default setting

Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Key Specifications

- **LED Chip:** Samsung 2835, LM80, IP-Protected
- **Lightweight Frame:** 6063 Aluminum
- **Operating Temp:** -10°F — 125°F
- **IP:** IP40 Indoor Damp Location
- **Input Voltage:** 120-277V
- **PF:** >0.9 Non-Flicker
- **Efficacy:** 130LM/W
- **Dimming:** 0-10V
- **THD:** <15%
- **CRI:** >80

Certifications



Archipelago Lighting, Inc.

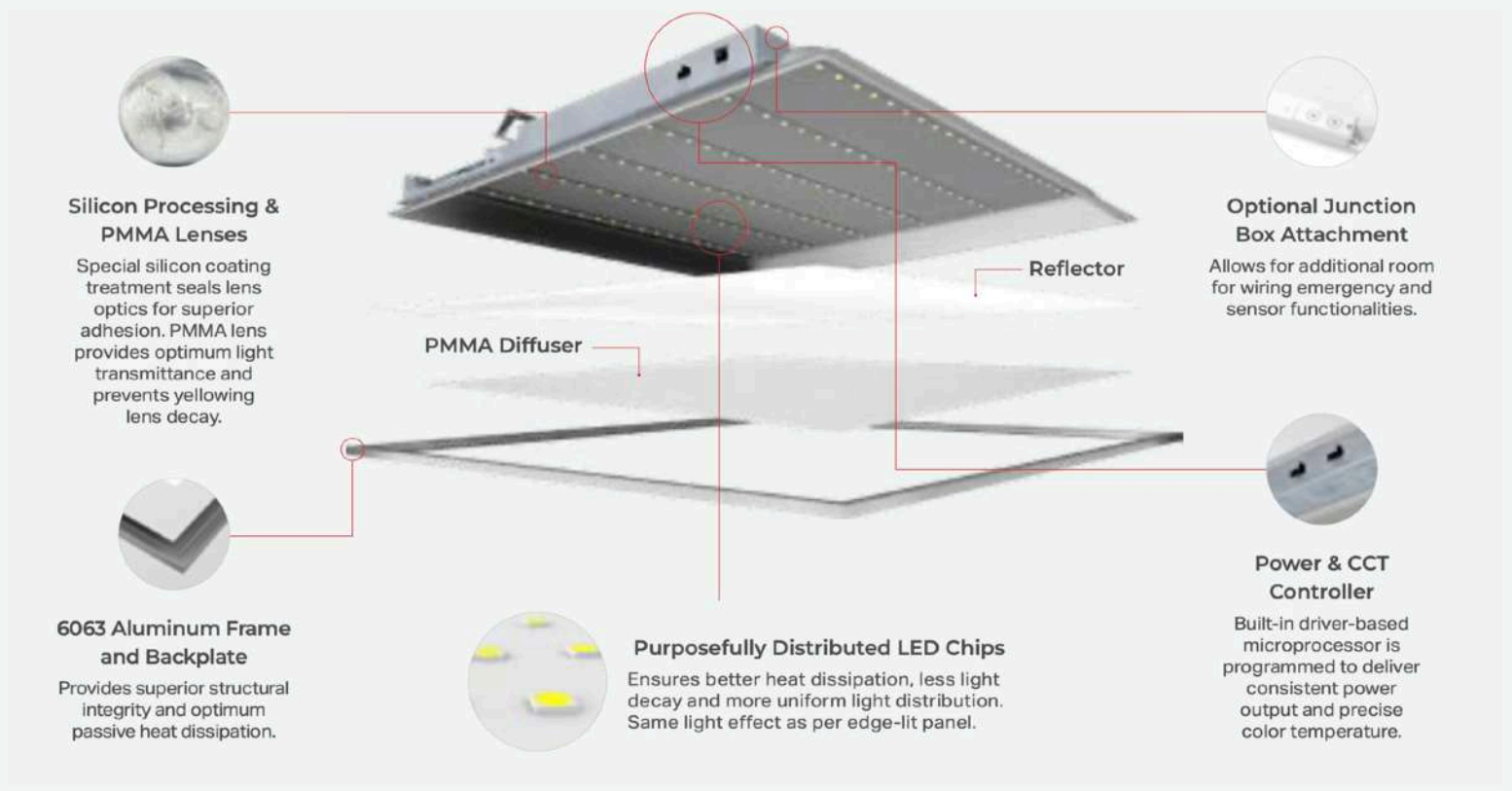
| **Headquarter:** 4615 State Street, Montclair, CA 91763

| **USA Production:** 9345 Sycamore Canyon Blvd, Riverside, CA 92508

Contact Us

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Ordering Guide¹

Model Series	Size (FT)	Series	WATTselect (W)	CCTselect (K)	Sensor Ready
LBLP LED Backlit Panel	14 1x4	- V ventiARCH	5 5-WATTselect: 20W/25W/30W/35W/40W	4 4-CCTselect: 3000K 3500K 4000K 5000K	/ [Blank] Non-Sensor Ready SR Sensor Ready Port
	22 2x2				
	24 2x4		5 5-WATTselect: 25W/30W/35W/40W/50W		
CATALOG #:					
LBLP		- V	5	4	/

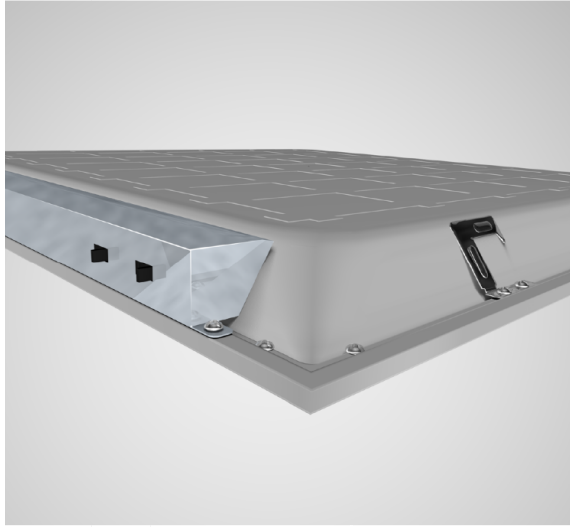
Options Guide²

EM Driver	Motion Sensor	Flange Kit	Surface Mount	Suspension Kit	Step-Down Transformer
<input type="checkbox"/> EM08 8W EM Driver	<input type="checkbox"/> MSM Microwave Bi-Level <input type="checkbox"/> MSP PIR Bi-Level <input type="checkbox"/> RM Remote Control (for bi-level sensor) <input type="checkbox"/> MSM /NLC blueARCH™ Microwave Sensor <input type="checkbox"/> MSP /NLC blueARCH™ PIRSensor	<input type="checkbox"/> F14 1x4 <input type="checkbox"/> F22 2x2 <input type="checkbox"/> F24 2x4	<input type="checkbox"/> S14 1x4 <input type="checkbox"/> S22 2x2 <input type="checkbox"/> S24 2x4	<input type="checkbox"/> SUSPN14 1x4 <input type="checkbox"/> SUSPN22 2x2 <input type="checkbox"/> SUSPN24 2x4	<input type="checkbox"/> 325 480V—>277V Step-Down Transformer
OPTIONAL ACCESSORIES #:					
/	/	/	/	/	/

NOTE:

1. Only one selection may be applicable within the same category.
2. Multiple selections may be applicable within the same option category. See Compatible Accessories below for details.

Power & CCT Control



Physical Features

Selectable Wattage + CCT	<ul style="list-style-type: none"> Built-in driver-based microprocessor is programmed to deliver consistent power output and precise color temperature. This level of precision allows us to provide project-based custom CCT panels.
Efficient Heat Dissipation	<ul style="list-style-type: none"> SMD chip printing is engineered for optimum passive heat dissipation to provide longer lifespan and ensure minimum light decay.
Intelligent Driver	<ul style="list-style-type: none"> Uniquely intelligent and reliable, the driver is engineered from the ground up to provide integrated safety features such as short-circuit overload protection, low-voltage prevention, non-stroboscopic, and high efficiency electrical conversion (PF>0.9). It is completely insulated from the structure of the panel to ensure isolated thermal effects from prolonged use.

blueARCH™ Controls: Highbay Applications

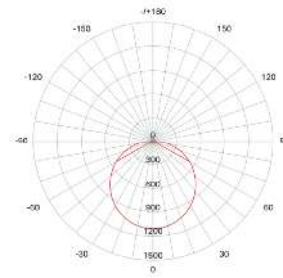
Commission your own blueARCH™ Controls NLC deployment

Planning Web App		<ol style="list-style-type: none"> Plan Light Behavior: Decide how lights function in each area. Set Up Project: Create a project and invite collaborators. Zone & Profile: Map your space, define zones, and configure lighting settings (cloud-based). 	 Motion Sensor
Implementation Mobile App		<ol style="list-style-type: none"> Install Devices: Add lights, sensors following the pre-configured plan. Assign Switches: Link physical switches to their zones. Calibrate Sensors: Fine-tune ambient light sensors for optimal performance. 	 SIG Mesh to DALI
Verification Mobile Web App		<ol style="list-style-type: none"> Verify Functionality: Ensure everything works as planned (no area errors). Mesh Check: Test mesh network strength. Review Report: Analyze commissioning results. 	 Network Relay

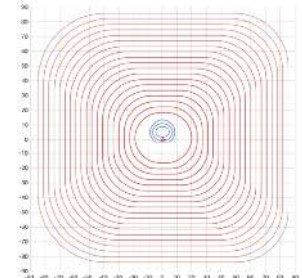
Photometric

1 x 4 | 25W

Luminous Distribution

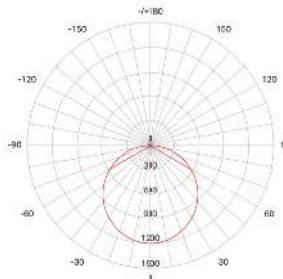


Isocandela Diagram

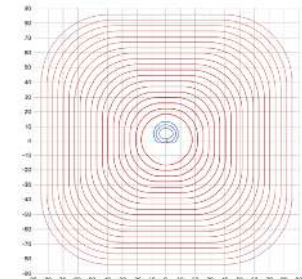


2 x 2 | 25W

Luminous Distribution

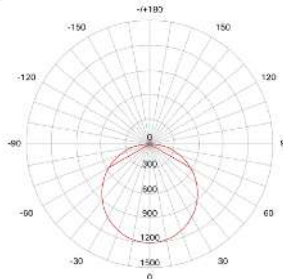


Isocandela Diagram

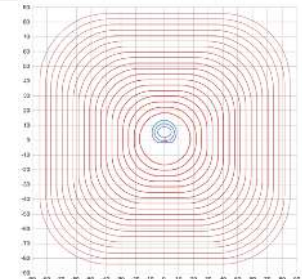


2 x 4 | 40W

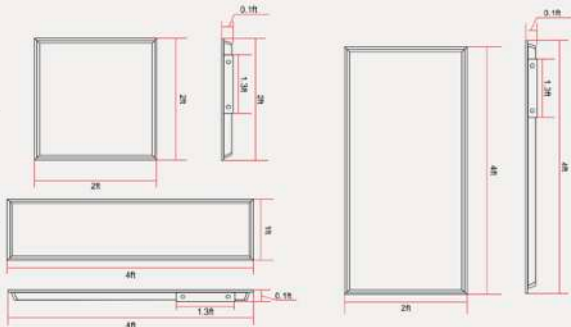
Luminous Distribution



Isocandela Diagram













Sizing & Measurements

Model Series	Dimensions	Width (ft)	Height (ft)	Depth (ft)	Weight (lb)
LBLP14		1	4	0.1	2.5
LBLP22		2	2	0.1	2.3
LBLP24		2	4	0.1	4.2

DLC Model Guide

Product ID	Model No.*	Controls	Lumen	Efficacy	CCT	THD	PF
S-STEDKF	LBLP14-V54-[Blank,DS,MS]	Yes	4788	130	3000K — 5000K	15	0.9
S-HJ4FK6	LBLP22-V54-[Blank,DS,MS]	Yes	4707	130	3000K — 5000K	15	0.9
S-DFC2J1	LBLP24-V54-[Blank,DS,MS]	Yes	6006	130	3000K — 5000K	15	0.9

Compatible Accessories

Category	Ordering Code	Model No.	Description	Sub-Assembly & Compatible Controllers		
				Ordering Code	Model No.	Description
EM Driver	 EM08	EM08-YTB/60	8W 60Vdc Output			
Motion Sensor	 MSM MSP	MSM-HTI/08P1/BLS MSP-HTI/08P1/BLS	Bi-Level Microwave Sensor Bi-Level PIR Sensor	 RM	RM-HT/06S	H-Series w/ LCD Display
	 MSM/NLC MSP/NLS	MSM-HTI/08P1/NLC MSP-HTI/08P1/NLC	NLC Microwave Sensor NLC PIR Sensor	 DCT DDI	CSR-DCT/2421 CSR-DDI/2421	SIG Mesh to DALi
				 SVV SVVT	RSR-SVV/2421 RSR-SVVT/2421	Networked Relay Device
Flange Kit	 F14 F22 F24	plano-M/F14 plano-M/F22 plano-M/F24	1x4 2x2 2x4			
Surface Mount	 S14 S22 S24	plano-M/S14 plano-M/S22 plano-M/S24	1x4 2x2 2x4			
Suspend Mount	 SUSPN14 SUSPN22 SUSPN24	SUSPN14 SUSPN22 SUSPN24	1x4 2x2 2x4			
Step-Down Transformer	 325	SDT-HTI/325	480V to 207V 325Va Max Internal			