

**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.



## 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



## Model Specifications

Model	WATTselect (W)	Lumen (lm)	CCTselect (K)	Voltage (V)	Efficacy (lm/W)
LBLP14	20W /	2,600lm /	3000K /	120-277V	130LM/W
LBLP22	25W /	3,250lm /	3500K /		
	30W /	3,900lm /	4000K /		
LBLP24	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

## Archipelago Lighting, Inc.

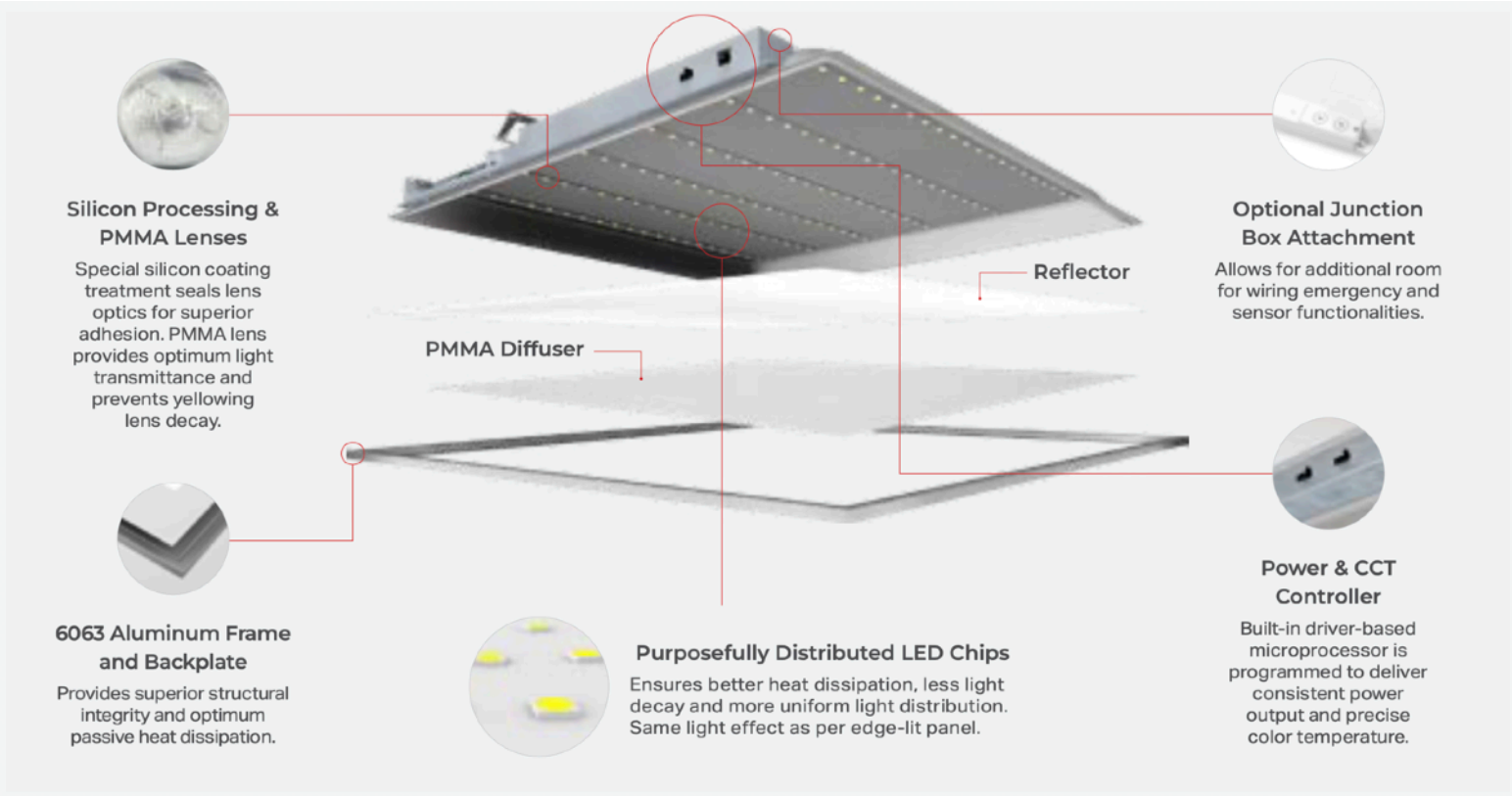
| **Headquarter:** 4615 State Street, Montclair, CA 91763

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

## Contact Us

[www.archipelagolighting.com](http://www.archipelagolighting.com)

+1 (866) 912-3220



## Ordering Guide<sup>1</sup>

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

## Options Guide<sup>2</sup>

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

### NOTE:

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

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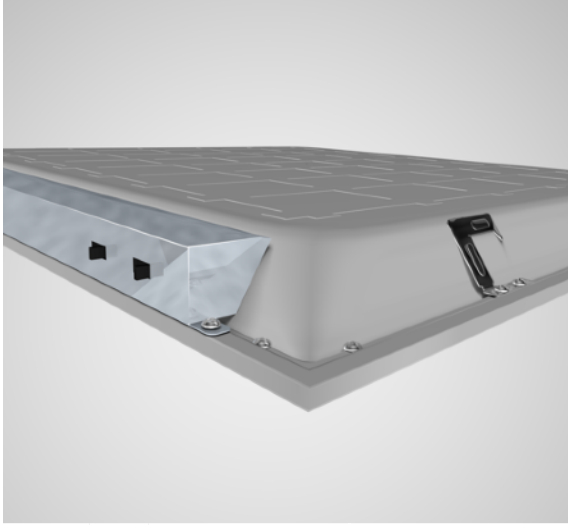
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## Power & CCT Control



## Physical Features

Selectable Wattage + CCT	<ul style="list-style-type: none"> <li>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.</li> </ul>
Efficient Heat Dissipation	<ul style="list-style-type: none"> <li>SMD chip printing is engineered for optimum passive heat dissipation to provide longer lifespan and ensure minimum light decay.</li> </ul>
Intelligent Driver	<ul style="list-style-type: none"> <li>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&gt;0.9). It is completely insulated from the structure of the panel to ensure isolated thermal effects from prolonged use.</li> </ul>

## blueARCH™ Controls: Ambient Applications

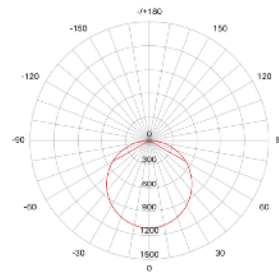
### Commission your own blueARCH™ Controls NLC deployment

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

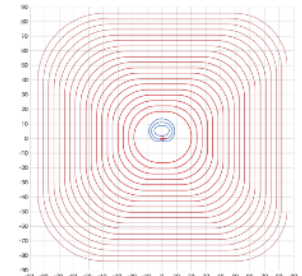
## Photometric

### 1 x 4 | 25W

#### Luminous Distribution

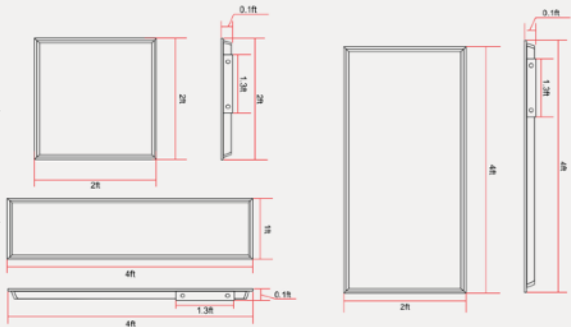


#### Isocandela Diagram















## Sizing &amp; Measurements

Model Series	Dimensions	Width (ft)	Height (ft)	Depth (ft)	Weight (lb)
LBP14		1	4	0.1	2.5
LBP22		2	2	0.1	2.3
LBP24		2	4	0.1	4.2

## DLC Model Guide

Product ID	Model No.*	Controls	Lumen	Efficacy	CCT	THD	PF
S-STEDKF	LBP14-V54-[Blank,DS,MS]	Yes	4788	130	3000K — 5000K	15	0.9
S-HJ4FK6	LBP22-V54-[Blank,DS,MS]	Yes	4707	130	3000K — 5000K	15	0.9
S-DFC2J1	LBP24-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	 <b>EM08</b>	<b>EM08-YTB/60</b>	8W   60Vdc Output			
Motion Sensor	 <b>MSM</b> <b>MSP</b>	<b>MSM-HTI/08P1/BLS</b> <b>MSP-HTI/08P1/BLS</b>	Bi-Level   Microwave Sensor Bi-Level   PIR Sensor	 <b>RM</b>	<b>RM-HT/06S</b>	H-Series w/ LCD Display
	 <b>MSM/NLC</b> <b>MSP/NLS</b>	<b>MSM-HTI/08P1/NLC</b> <b>MSP-HTI/08P1/NLC</b>	<b>NLC</b>   Microwave Sensor <b>NLC</b>   PIR Sensor	 <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
Flange Kit	 <b>F14</b> <b>F22</b> <b>F24</b>	<b>plano-M/F14</b> <b>plano-M/F22</b> <b>plano-M/F24</b>	1x4 2x2 2x4			
Surface Mount	 <b>S14</b> <b>S22</b> <b>S24</b>	<b>plano-M/S14</b> <b>plano-M/S22</b> <b>plano-M/S24</b>	1x4 2x2 2x4			
Suspend Mount	 <b>SUSPN14</b> <b>SUSPN22</b> <b>SUSPN24</b>	<b>SUSPN14</b> <b>SUSPN22</b> <b>SUSPN24</b>	1x4 2x2 2x4			
Step-Down Transformer	 <b>325</b>	<b>SDT-HTI/325</b>	480V to 207V   325Va Max   Internal			