ARCHIPELAGO LIGHTING

plano Ⓐ RCH

LBLP | ventiⒶRCH

Product Data Sheet

COMMERCIAL-GRADE

Backlit Panel

1x4 | 2x2 | 2x4

WATT 3-WAY SELECTABLE   CCT 4-WAY SELECTABLE

Product Overview

The LBLP ventiⒶRCH-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.

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.

Product Warranty*

🛡	7-Year Warranty	🕐	75,000 Hrs

* Standard warranty. Extended warranty available.

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

5-WATTselect & 4-CCTselect Controller
Built-in driver-based microprocessor is programmed to deliver consistent power output and precise color temperature.

Junction Box Attachment
Allows for additional room for wiring accessories and other functionalities.

Purposefully Distributed LED Chips
Ensures better heat dissipation, less light decay and more uniform light distribution. Same light effect as per edge-lit panels.

Silicon Processing & PMMA Lenses
Special silicon coating treatment seals lens optics for superior adhesion. PMMA lens provides optimum light transmittance and prevents yellowing lens decay.

PMMA Diffuser

Aluminum Frame
6063 aluminum frame for superior structural integrity and optimum passive heat dissipation.
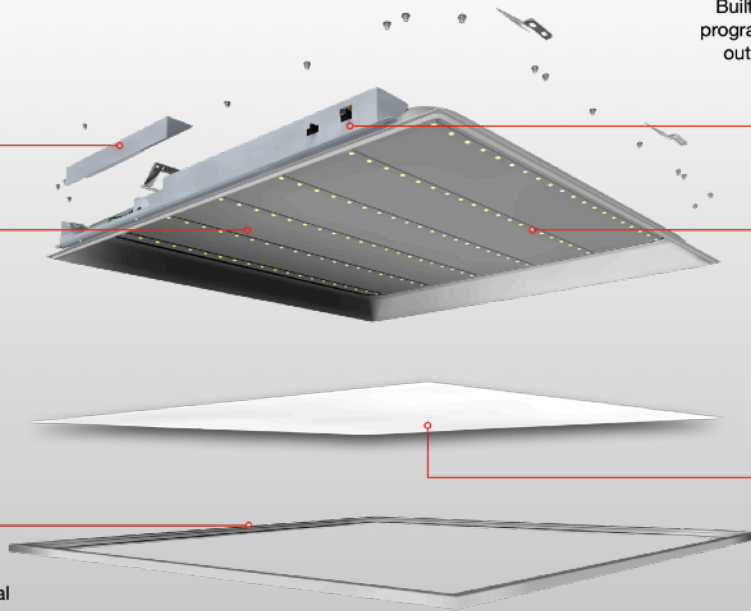
Sizing & Measurements

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
* DLC Premium							

Power & CCT Control


Physical Features

|	
Selectable Wattage + CCT	• 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	• SMD chip printing is engineered for optimum passive heat dissipation to provide longer lifespan and ensure minimum light decay.
Intelligent Driver	• 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.

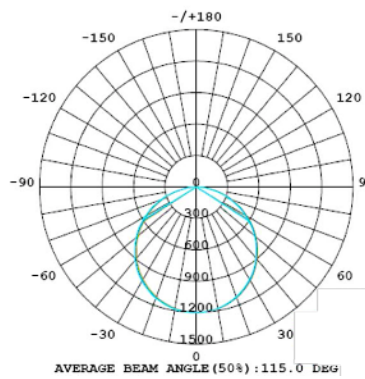**blue(A)RCH ➙ en(A)BLED**

Photometric
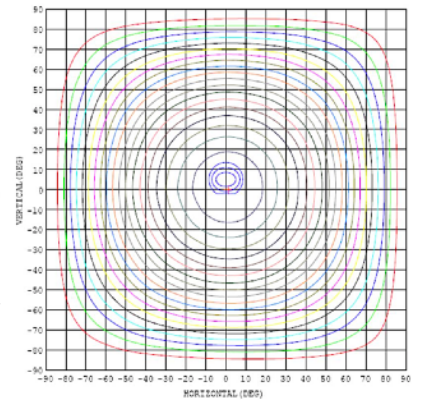
1 x 4 | 25W

Luminous Distribution
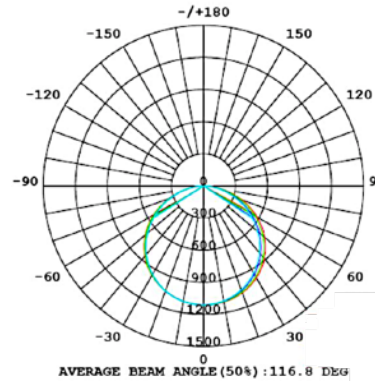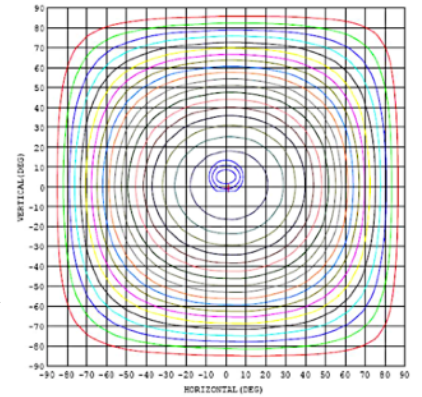
Isocandela Diagram

AVERAGE BEAM ANGLE (50%) :116.8 DEG

2 x 2 | 25W

Luminous Distribution

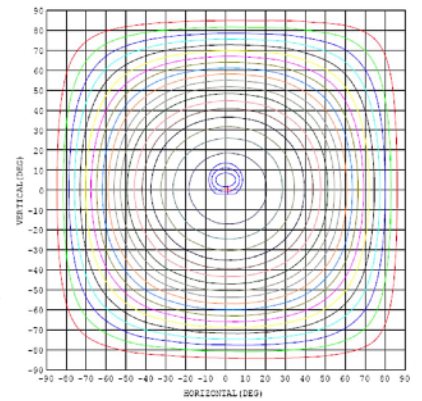Isocandela Diagram

AVERAGE BEAM ANGLE (50%) :115.0 DEG

2 x 4 | 40W

Luminous Distribution

Isocandela Diagram

AVERAGE BEAM ANGLE (50%) :117.4 DEG
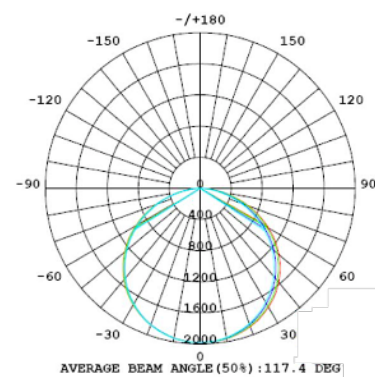
Compatible Accessories

EM Drivers

	EM08-1BD
LBLP	venti🅐RCH	✓

Sensors

	Non-Network	Network
	MSM-H1	MSM-SB1
LBLP	venti🅐RCH	✓	✓
Compatible Controllers	RM-MS-S1	WS-MS-SB1

Hardwares

	Flange Kit			Surface Mount			Suspension Kit		
	FLANGE14	FLANGE22	FLANGE24	MOUNT22	MOUNT22	MOUNT24	SUSPN14	SUSPN22	SUSPN24
LBLP	venti🅐RCH	1x4	✓			✓			✓		
LBLP	venti🅐RCH	2x2		✓			✓			✓	
LBLP	venti🅐RCH	2x4			✓			✓			✓

Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Model Specifications

Model	WATTselect	Lumen	CCTselect	Voltage	LPW
LBLP14	20W / 25W / 30W / 35W / 40W /	2,600LM / 3,250LM / 3,900LM / 4,500LM / 5,200LM /	3000K / 3500K / 4000K / 5000K /	120-277V	130LM/W
LBLP22					
LBLP24	25W / 30W / 35W / 40W / 50W /	3,250LM / 3,900LM / 4,500LM / 5,200LM / 6,500LM /			

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

Ordering Guide

Model Series	Size (FT)	WATTselect (W)	CCTselect (K)	Sensor	Emergency Driver
LBLP LED Backlit Panel	**14** | 1x4	**V5**: 20W / 25W **/** 30W / 35W / 40W	**4**: CCTselect: **30** | 3000K **35** | 3500K **40** | 4000K **50** | 5000K	**MSM** | Microwave Motion Sensor	**EM08** | 8W Emergency Driver
	22 | 2x2				
	24 | 2x4	**V5**: 25W **/** 30W / 35W / 40W / 50W			

Ordering number example:

LBLP24-V54-MSM-EM08

Please place dashes (-) in correct order.

Choose your model specifications:

LBLP	24	-V54	-MSM	-EM08
Model Series	Size	WATTselect + CCTselect	Sensor	EM Driver

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8W | EM Driver

Model No.	EM08-HMB/170
Product ID	BLD-HM08D
Rated Input Voltage	100-277Vac, 50/60Hz
Rated Input Current	100mA Max
Rated Input Power	5.5W Max
Power Factor	>0.50
Charge Time	24hours
Emergency Standby	90min
Charge Current	0-250mA
Battery Information	High-Temperature, Maintenance-Free Ni-MH battery
Output Voltage Range	320-600mA, DC 25-48V (Class 2)
Output Power	4W/6W/8W Selectable (Dip-Switch)
Output Current	AC 4A Max
Max. Application	150W or 4A
Ambient Operating	32°F — 122°F
Storage Temperature	158°F Max
Charge Discharge Cycle	500 Full Cycles
Approvals	UL Listed, Class 2, Damp & Dry Locations
Warranty	3 Years
Protections	- Input over current protection. - Output over voltage protection. - Output under current protection. - Output short circuit protection.

TEST SWITCH & LED INDICATOR

○ For connecting to the emergency lighting unit
○ The test switch for checking the device function
○ The LED indicates that charging current is flowing into the battery plug connection
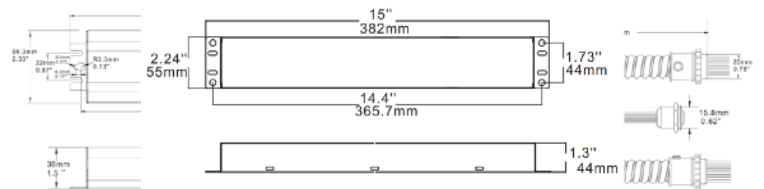
COMPATIBLE SERIES

plano Ⓐ RCH

○ Downlight Collections

tubul Ⓐ RCH

○ UL-B Lamps

## DIMENSIONS

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INSTALLATION GUIDE

⚠ **PLEASE READ ALL INSTRUCTIONS BEFORE ATTEMPTING INSTALLATION**

- DO NOT USE OUTDOORS.

- DO NOT MOUNT NEAR GAS OR ELECTRONIC HEATERS.

- EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL.

- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION.

- DO NOT USE THIS EQUIPMENT FOR OTHER THAN ITS INTENDED USE.

- Use with grounded, UL Listed, damp location rated fixtures and case should be grounding.

- The equipment is intended for ordinary locations and for permanent installation into one or more Listed emergency luminaires

- Please install this product properly by the licensed electrician.

- Surface mounting and suspending mounting are available.

- It is only used for <300W lighting fixtures.

- Please check and confirm all the data and usage surrounding before installation.

- Damp location installation is OK.

- This item could be used in the sealed fixtures or installed open area of the fixtures.

- Please keep it away from the flammable materials with a place of good heat dissipation.

- Please charge the battery consistently for >24 hours for the first time usage so as to activate the whole battery cells of discharging/charging duration.

WIRING DIAGRAM W/ EMERGENCY DRIVER
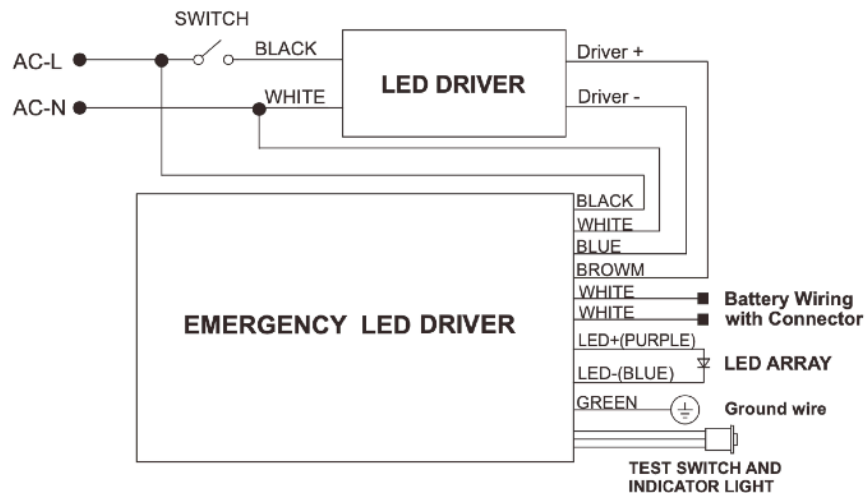
ARCHIPELAGO LIGHTING

Archipelago Lighting, Inc. is a leading prime manufacturer of commercial and residential lighting products in USA and China. We are a team of passionate lighting professionals whose goal is to improve life through disruptive LED lighting products. We manufacturer a wide variety of products to support the growing adoption of energy efficient LED.