

FEATURES & SPECIFICATIONS

INTENDED USE — LBL LED wraparound provides a digital lighting platform to deliver general ambient lighting for surface-mount applications. The LED system delivers long life and excellent color to ensure a quality, low-maintenance lighting installation. Ideal for closets, storage rooms, hallways, stairwells and offices.

CONSTRUCTION — Metal parts are die formed from code-gauge steel. Prismatic diffuser is 100% acrylic with sonically welded luminous ends. Continuous side flanges on fixture body provide light trap and continuous diffuser support to prevent accidental opening and simplify maintenance.

Finish: Five-stage iron phosphate pretreatment assures superior paint adhesion and rust resistance.

Painted parts finished with high-gloss, high-reflectivity baked white polyester enamel (low VOC).

OPTICS — Curved prismatic diffuser with linear side prisms and highly transmissive overlay minimizes lamp image and provides high-angle brightness control. Luminous end plates soften appearance for improved aesthetics.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000). The LEDs have a CRI of 82.

eldoLED driver options deliver choice of dimming range and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

CONTROLS — Pair the LBL with the fixture mount Sensor Switch LSXR sensor for additional energy savings when the space is unoccupied. The LSXRHL sensor dims the fixture down to a low-level setting when there is no occupancy. This option is ideal for stairwells, back rooms, and closets due to the low occupancy level in those spaces.

Optional nLight® embedded controls continuously monitor system performance, allow for constant lumen management / compensation function, facilitate simple “plug-and-play” network and controls upgrading via Cat-5 cable. Ballast disconnect provided where required to comply with US and Canadian codes.

LISTINGS — CSA certified to meet U.S. and Canadian standards.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Damp listed.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Low-Profile Curved-Basket LED Wraparound

LBL4



4' LENGTH, NARROW HOUSING
LED



eldoLED®



Stock version through Contractor Select Offering
LBL4 LP835
LBL4 LP840

CSA+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

LBL4 LED Wraparound



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LBL4 40L EZ1 LP840

LBL4		Lumens ¹		Voltage		Driver		Color temperature		Control		Options		Finish	
LBL4	4' wrap LED	30L	3000 lumens	(blank)	MVOLT (120-277)	EZ1	eldoLED dims to 1%, 0-10V	LP830	3000 K	(blank)	No controls	EL7L LED Emergency battery pack (nominal 700 lumens) ⁵ EL14L LED Emergency battery pack (nominal 1400 lumens) ⁵	(blank)	White	
		40L	4000 lumens	347	347V ²			LP835	3500 K	N80	nLight with 80% (L80) lumen management				
		48L	4800 lumens			LP840	4000 K	N80EMG	nLight with 80% (L80) lumen management for use with generator supply EM power						
		60L	6000 lumens			LP850	5000 K	N100	nLight without lumen management						
		72L	7200 lumens					N100EMG	nLight without lumen management for use with generator supply EM power						
								LSXRHL	Sensor Switch® fixture mount sensor with High/Low occupancy operation ⁴						
						LSXR10	Sensor Switch® fixture mount sensor with On/Off occupancy operation								

Notes

- 1 Approximate lumen output.
- 2 Not available with EL7L, EL14L, or SLD driver.
- 3 Not available with control options.
- 4 Dims to approximately 10% light output when unoccupied. See sensor details on next page.
- 5 Not available with 72L option.

Performance Data

Lumen	Package	Lumens	Input Watts	LPW
30L	LP830	3,018.1	27	111.8
30L	LP835	3,080.6	27	114.1
30L	LP840	3,105.4	27	115.0
30L	LP850	3,144.9	27	116.5
40L	LP830	4,471.2	41	109.1
40L	LP835	4,563.8	41	111.3
40L	LP840	4,600.4	41	112.2
40L	LP850	4,659.0	41	113.6
48L	LP830	5,103.2	48	106.3
48L	LP835	5,208.9	48	108.5
48L	LP840	5,250.7	48	109.4
48L	LP850	5,317.6	48	110.8
60L	LP830	6,187.3	55	112.5
60L	LP835	6,315.4	55	114.8
60L	LP840	6,366.1	55	115.7
60L	LP850	6,447.2	55	117.2
72L	LP830	7,223.3	70	103.2
72L	LP835	7,372.9	70	105.3
72L	LP840	7,432.1	70	106.2
72L	LP850	7,526.7	70	107.5



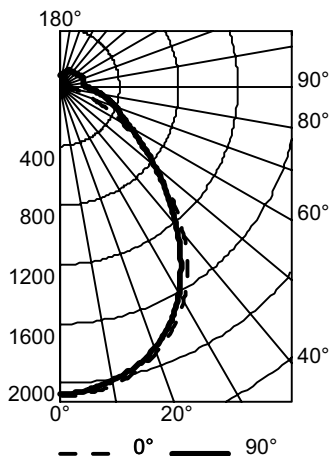
Sensor Switch LSXRHL Sensor

Lens type: 10 - Low Mount 360° coverage
Dimming: HL - High/Low Occupancy operation
Min Dim Level: 3V - approximately 10% light output when unoccupied
Time Delay: 5M - 5 minutes

LBL4 LED Wraparound

PHOTOMETRICS

LBL4 48L EZ1 LP840, 5250.7 delivered lumens, test no. LTL27386P14, tested in accordance to IESNA LM-79.



CP Summary

	0°	90
0°	2077	2077
5°	2077	2056
15°	1989	1957
25°	1801	1757
35°	1496	1418
45°	1066	1018
55°	647	680
65°	327	456
75°	174	339
85°	59	221
90	9	181

Coefficients of Utilization

pf	20%									
	80%			70%			50%			
pc	70%	50%	30%	50%	30%	10%	50%	30%	10%	
pw	116	116	116	112	112	112	105	105	105	
RCR	0	116	116	116	112	112	112	105	105	105
	1	106	102	98	98	95	91	92	89	86
	2	98	90	83	87	81	76	82	77	73
	3	90	80	72	77	71	65	73	67	62
	4	83	72	63	69	62	56	66	59	54
	5	76	64	56	63	55	49	59	53	48
	6	71	58	50	57	49	43	54	47	42
	7	66	53	45	52	44	39	49	43	38
	8	62	49	41	48	40	35	45	39	34
	9	58	45	37	44	37	32	42	35	31
10	54	42	34	41	34	29	39	33	28	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1571	29.9	29.9
0° - 40°	2482	47.3	47.3
0° - 60°	3855	73.4	73.4
0° - 90°	4626	88.1	88.1
90° - 120°	307	5.9	5.9
90° - 130°	401	7.6	7.6
90° - 150°	546	10.4	10.4
90° - 180°	624	11.9	11.9
0° - 180°	5251	100.0	100.0

MOUNTING DATA

Suspension Kit Ceiling Types: F1 for use with most T-bar and screw slot grid ceiling applications. Designed for on-grid and off-grid installations.

F2 for use with recessed or surface-mount horizontal J-box applications.

For unit or row installation; surface or suspend mounting.

Individual installation — One double-stem or two single-stem hangers required.

For aircraft cable, one STACG_, STACGF_, or STACGE_ required for each suspension point.

Note: 2' configurations with emergency option cannot be stem mounted.

See ACCESSORIES below for hanging devices.

DIMENSIONS

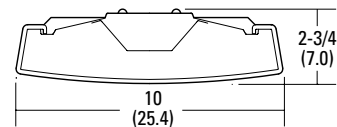
All dimensions are inches (centimeters) unless otherwise noted.

Specifications

Length: 48 (122.0)

Width: 10 (25.4)

Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless otherwise indicated.

