

Catalog Number
Notes
Type

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) qualified product. Not all versions of this product may be DLC 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.

Low-Profile Curved-Basket LED Wraparound

LBL4

4' LENGTH, NARROW HOUSING LED



Stock version through Contractor Select Offering	
LBL4 LP835	
LBL4 LP840	

ORDERING INFORMATION

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

Example: LBL4 40L EZ1 LP840

LBL4 Series	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	(blank) White
	40L 4000 lumens	347 347V ²		LP835 3500 K			
	48L 4800 lumens		LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power	EL14L LED Emergency battery pack (nominal 1400 lumens) ⁵		
	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			
				SLD Step-level dimming ³	LSXRHL Sensor Switch® fixture mount sensor with High/Low occupancy operation ⁴		
			E0HN eldoLED non-dimming, on/off ³	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.

LBL4 LED Wraparound

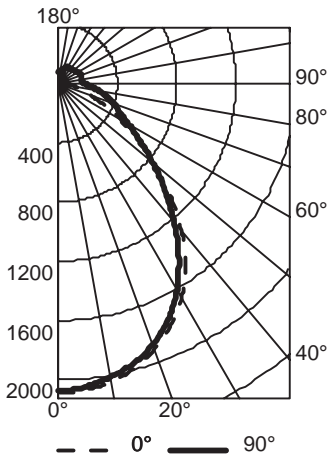


Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
30L	LP830	3,018.1	27	111.8
30L	LP835	3,080.6	27	114.1
30L	LP840	3,105.4	27	115.0
30L	LP850	3,144.9	27	116.5
40L	LP830	4,471.2	41	109.1
40L	LP835	4,563.8	41	111.3
40L	LP840	4,600.4	41	112.2
40L	LP850	4,659.0	41	113.6
48L	LP830	5,103.2	48	106.3
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

PHOTOMETRICS

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



CP Summary	Coefficients of Utilization												Zonal Lumen Summary			
	0°	90°	pf	80%			20%			50%			Zone	Lumens	% Lamp	% Fixture
			pw	70%	50%	30%	50%	30%	10%	50%	30%	10%				
0°	2077	2077	0	116	116	116	112	112	112	105	105	105	0° - 30°	1571	29.9	29.9
5°	2077	2056	1	106	102	98	98	95	91	92	89	86	0° - 40°	2482	47.3	47.3
15°	1989	1957	2	98	90	83	87	81	76	82	77	73	0° - 60°	3855	73.4	73.4
25°	1801	1757	3	90	80	72	77	71	65	73	67	62	0° - 90°	4626	88.1	88.1
35°	1496	1418	4	83	72	63	69	62	56	66	59	54	90° - 120°	307	5.9	5.9
45°	1066	1018	5	76	64	56	63	55	49	59	53	48	90° - 130°	401	7.6	7.6
55°	647	680	6	71	58	50	57	49	43	54	47	42	90° - 150°	546	10.4	10.4
65°	327	456	7	66	53	45	52	44	39	49	43	38	90° - 180°	624	11.9	11.9
75°	174	339	8	62	49	41	48	40	35	45	39	34	0° - 180°	5251	100.0	100.0
85°	59	221	9	58	45	37	44	37	32	42	35	31				
90°	9	181	10	54	42	34	41	34	29	39	33	28				

LBL4 LED Wraparound

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.

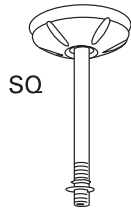
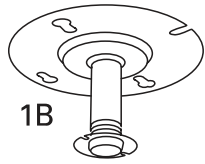
Individual installation — One double-stem or two single-stem hangers required.

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

Row installation — Order one (1) STCR accessory per fixture for continuous row applications. Not required for last fixture in row. One hanger per fixture plus one per row required.

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

See ACCESSORIES below for hanging devices.



DIMENSIONS

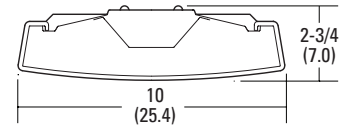
All dimensions are inches (centimeters) unless otherwise noted.

Specifications

Length: 48 (122.0)

Width: 10 (25.4)

Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless otherwise indicated.