

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 pre-painted 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.

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 50,000 hours (L90/50,000). 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. Driver disconnect provided where required to comply with US and Canadian codes.

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

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

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

LBL4W

4' LENGTH WIDE HOUSING LED



eldoLED®

A+ 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

LBL4W 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: LBL4W 6500LM 80CRI 35K MIN10 GZT MVOLT

LBL4W						
Series	Lumens ¹	CRI	Color temperature	Minimum Dimming Level	Dimming	Voltage
LBL4W 4' LED wide wrap	6500LM 6500 lumens 8000LM 8000 lumens	80CRI 80 CRI	30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K	MIN10 Dims to 10% ² MIN1 Dims to 1% ³ NODIM On/off, non-dimming ⁴ SLD Step-level dimming ⁴	(blank) None ¹² GZT Generic 0-10V Dimming ZT eldoLED 0-10V Dimming	MVOLT 120-277V 347 347V ^{5,13}

Emergency Options	Control Input/ Lumen Management Options ¹²	Occupancy Control Options	Occupancy Sensor Technology Option	Options
EL7L 700 nominal lumen battery pack (Noncompliant with CA T20) ⁶	NLIGHT nLight enabled CL80 NLIGHT nLight enabled, constant lumen output, 80%	LSXRHL Sensor Switch® fixture mount sensor with High/Low occupancy operation ^{8,9}	PIR Passive Infrared ¹⁰	GLR Fast-blowing fuse ¹¹ GMF Slow-blowing fuse ¹¹ BAA Buy America(n) Act Compliant BDP Factory Installed Ballast Disconnect Plug
EL14L 1400 nominal lumen battery pack (Noncompliant with CA T20) ⁶		LSXR10 Sensor Switch® fixture mount sensor with on/off occupancy operation ⁸		
E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ⁶				
EMG for use with nLight on generator supply EM power ⁷				

Replacement Part

Fixture: LBL4W
Description: LBL 4' DIFFUSER
Part Number: DLBLW48

Notes

- 1 Approximate lumen output.
- 2 Requires GZT control option.
- 3 Requires GZT, ZT, or NLIGHT control.
- 4 Not available with Control or Sensor Options.
- 5 Not available with SLD option.
- 6 Not available with 8000LM option.
- 7 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture. Requires NLIGHT.
- 8 Requires MIN1, ZT and PIR options.
- 9 Dims to approximately 10% light output when unoccupied.
- 10 Only available with Occupancy Control option.
- 11 Must specify voltage. 120 or 277, with GLR and GMF fusing.
- 12 When Control Input/ Lumen Management option specified leave Dimming section blank.
- 13 347 not available with battery option.

Performance Data

Lumen Package	Lumens	Input Watts	LPW
6500LM 80CRI 30K	6348	50.1	127
6500LM 80CRI 35K	6490	50.1	130
6500LM 80CRI 40K	6591	50.1	132
6500LM 80CRI 50K	6833	50.1	136
8000LM 80CRI 30K	7669	64.2	119
8000LM 80CRI 35K	7840	64.2	122
8000LM 80CRI 40K	7962	64.2	124
8000LM 80CRI 50K	8255	64.2	129

How to Calculate Estimated Lumens in Emergency Mode

Use the formula below to determine the estimated lumens in emergency mode

$$\text{Estimated Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for E10WLCP option.

LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.



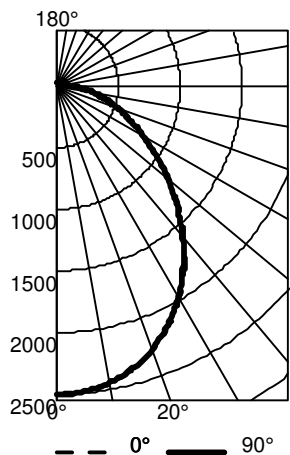
Sensor Switch LSXRHL Sensor

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

LBL4W LED Wraparound

PHOTOMETRICS

LBL4W 6500LM 80CRI 35K



CP Summary	Coefficients of Utilization									Zonal Lumen Summary							
	0°			80%			20%			50%			Zone	Lumens	% Lamp	% Fixture	
	0°	90°	180°	70%	50%	30%	50%	30%	10%	50%	30%	10%					
0°	2494	2494		0	118	118	118	115	115	115	109	109	109	0° - 30°	1889	29.1	29.1
5°	2485	2486		1	108	103	99	100	96	93	95	92	89	0° - 40°	3011	46.4	46.4
15°	2384	2372		2	98	90	83	88	82	77	84	79	74	0° - 60°	4973	76.7	76.7
25°	2149	2137		3	90	80	72	78	70	64	74	68	63	0° - 90°	6212	95.8	95.8
35°	1812	1785		4	83	71	62	69	61	55	66	59	54	90° - 120°	153	2.4	2.4
45°	1403	1383		5	76	64	55	62	54	48	60	53	47	90° - 130°	194	3.0	3.0
55°	991	987		6	70	57	49	56	48	42	54	47	41	90° - 150°	250	3.8	3.8
65°	641	655		7	65	52	44	51	43	37	49	42	37	90° - 180°	275	4.2	4.2
75°	359	414		8	61	48	40	47	39	34	45	38	33	0° - 180°	6487	100.0	100.0
85°	129	207		9	57	44	36	43	36	30	42	35	30				
90°	9	119		10	54	41	33	40	33	28	39	32	27				

MOUNTING DATA

Aircraft Cable

STACG – the standard aircraft cable kit in which only the hanging wire will be included.
 STACGF – will include a power feed cable with 3 conductors (HOT, NEUTRAL, GROUND)
 STACGFD – same as above with Dimming leads (HOT, NEUTRAL, GROUND, VIOLET, GREY)
 STACGE – will include a power feed cable with 4 conductors (HOT1, HOT2, NEUTRAL, GROUND) for fixtures with a battery pack.

Ceiling Type

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.

How to order:

1. For aircraft cable, choose one STACG, STACGF, STACGFD, or STACGE (required for each suspension point)
 2. Choose length 36", 72" or 144"
 3. For ceiling type choose F1 or F2
- Ex. STACG36 F1, STACGF72 F2

Stem Suspension

Individual installation — Two single-stem hangers required

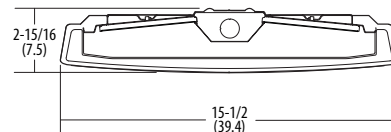


Note: 2' configurations with emergency option cannot be stem mounted.

DIMENSIONS

Specifications

Length: 48 (122.0)
 Width: 15-1/2 (39.4)
 Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless otherwise indicated.