

## 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](http://www.designlights.org/QPL) to confirm which versions are qualified.

**GOVERNMENT PROCUREMENT** — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to [www.acuitybrands.com/buy-american](http://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](http://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®

### Capable Luminaire

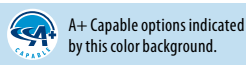
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- 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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# LBL4W LED Wraparound



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

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

## 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

**Estimated Lumens = 1.25 x P x 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.



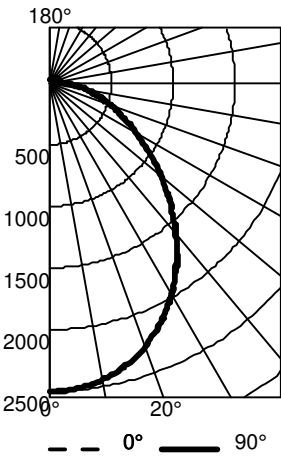
## Sensor Switch LSXRHL Sensor

**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												
			pf	80%						20%			50%		
			pc	80%			70%			50%					
			pw	70%	50%	30%	50%	30%	10%	50%	30%	10%			
0°	2494	2494	FCR	0	118	118	118	115	115	115	109	109	109		
5°	2485	2486		1	108	103	99	100	96	93	95	92	89		
15°	2384	2372		2	98	90	83	88	82	77	84	79	74		
25°	2149	2137		3	90	80	72	78	70	64	74	68	63		
35°	1812	1785		4	83	71	62	69	61	55	66	59	54		
45°	1403	1383		5	76	64	55	62	54	48	60	53	47		
55°	991	987		6	70	57	49	56	48	42	54	47	41		
65°	641	655		7	65	52	44	51	43	37	49	42	37		
75°	359	414		8	61	48	40	47	39	34	45	38	33		
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			

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1889	29.1	29.1
0° - 40°	3011	46.4	46.4
0° - 60°	4973	76.7	76.7
0° - 90°	6212	95.8	95.8
90° - 120°	153	2.4	2.4
90° - 130°	194	3.0	3.0
90° - 150°	250	3.8	3.8
90° - 180°	275	4.2	4.2
0° - 180°	6487	100.0	100.0

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

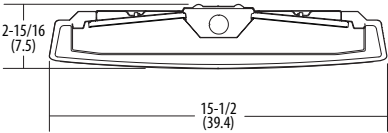
**Stem Suspension**  
Individual installation — Two single-stem hangers required



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.