

## 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. Ballast 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. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at:

[www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/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

# LBL4



4' LENGTH, NARROW HOUSING  
LED



eldoLED®



### 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](http://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 4000LM 80CRI 35K MIN10 GZT MVOLT

| LBL4              |                                                                                                   |                     |                            |                   |                                                                                      |                             |                                |                       |                                  |                       |                       |                                         |  |  |  |
|-------------------|---------------------------------------------------------------------------------------------------|---------------------|----------------------------|-------------------|--------------------------------------------------------------------------------------|-----------------------------|--------------------------------|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------------------------|--|--|--|
| Series            |                                                                                                   | Lumens <sup>1</sup> |                            | CRI               |                                                                                      | Color temperature           |                                | Minimum Dimming Level |                                  | Control               |                       | Voltage                                 |  |  |  |
| LBL4              | 4' LED wrap                                                                                       | 3000LM              | 3000 lumens                | 80CRI             | 80 CRI                                                                               | 30K                         | 3000 K                         | MIN10                 | Dims to 10% <sup>2</sup>         | GZT                   | Generic 0-10V Dimming | MVOLT 120-277V<br>347 347V <sup>5</sup> |  |  |  |
|                   |                                                                                                   | 4000LM              | 4000 lumens                |                   |                                                                                      | 35K                         | 3500 K                         | MIN1                  | Dims to 1% <sup>3</sup>          |                       |                       |                                         |  |  |  |
|                   |                                                                                                   | 4800LM              | 4800 lumens                |                   |                                                                                      | 40K                         | 4000 K                         | NODIM                 | On/off, non-dimming <sup>4</sup> | ZT                    | eldoLED 0-10V dimming |                                         |  |  |  |
|                   |                                                                                                   | 6000LM              | 6000 lumens                |                   |                                                                                      | 50K                         | 5000 K                         | SLD                   | Step-level dimming <sup>4</sup>  |                       |                       |                                         |  |  |  |
|                   |                                                                                                   | 7200LM              | 7200 lumens                |                   |                                                                                      |                             |                                |                       |                                  |                       |                       |                                         |  |  |  |
|                   |                                                                                                   |                     |                            |                   |                                                                                      |                             |                                |                       |                                  | NLIGHT nLight enabled |                       |                                         |  |  |  |
|                   |                                                                                                   |                     |                            |                   |                                                                                      |                             |                                |                       |                                  |                       |                       |                                         |  |  |  |
| Emergency Options |                                                                                                   | Lumen Management    |                            | Occupancy Control |                                                                                      | Occupancy Sensor Technology |                                | Options               |                                  |                       |                       |                                         |  |  |  |
| EL7L              | 700 nominal lumen battery pack (Noncompliant with CA T20) <sup>6</sup>                            | (blank)             | None                       | LSXRHL            | Sensor Switch® fixture mount sensor with High/Low occupancy operation <sup>8,9</sup> | PIR                         | Passive Infrared <sup>11</sup> | USPOM                 | US Point of Manufacture          |                       |                       |                                         |  |  |  |
| EL14L             | 1400 nominal lumen battery pack (Noncompliant with CA T20) <sup>6</sup>                           | CL80                | Constant lumen output, 80% | LSXR10            | Sensor Switch® fixture mount sensor with on/off occupancy operation <sup>8</sup>     |                             |                                | GLR                   | Fast-blowing fuse <sup>12</sup>  |                       |                       |                                         |  |  |  |
| E10WLCP           | EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS <sup>6</sup> |                     |                            |                   |                                                                                      |                             |                                | GMF                   | Slow-blowing fuse <sup>12</sup>  |                       |                       |                                         |  |  |  |
| EMG               | for use with nLight on generator supply EM power <sup>7</sup>                                     |                     |                            |                   |                                                                                      |                             |                                |                       |                                  |                       |                       |                                         |  |  |  |

ORDERING INFORMATION

| Catalog number           | UPC          | Description       | Lumens | Color temperature | Lens type             | Voltage | Wattage <sup>2</sup> | Pallet qty | Standard carton qty. |
|--------------------------|--------------|-------------------|--------|-------------------|-----------------------|---------|----------------------|------------|----------------------|
| LBL4 LP835 <sup>10</sup> | 190887819199 | 4' LED Wraparound | 4,188  | 3500 K            | Patterned #12 acrylic | 120-277 | 32                   | 56         | 1                    |
| LBL4 LP840 <sup>10</sup> | 190887819359 | 4' LED Wraparound | 4,253  | 4000 K            | Patterned #12 acrylic | 120-277 | 32                   | 56         | 1                    |
| LBL4 347 LP835           | 190887856682 | 4' LED Wraparound | 4,188  | 3500 K            | Patterned #12 acrylic | 347     | 32                   | 56         | 1                    |
| LBL4 347 LP840           | 190887856705 | 4' LED Wraparound | 4,253  | 4000 K            | Patterned #12 acrylic | 347     | 32                   | 56         | 1                    |

- 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 7200LM 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

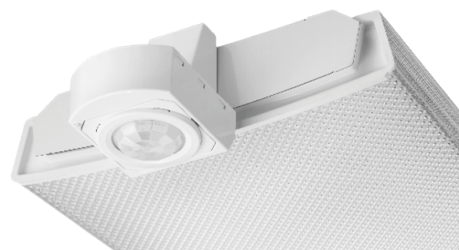
Product in stock.
- 11

Only available with Occupancy Control option.
- 12

Must specify voltage. 120 or 277, with GLR and GMF fusing.

# LBL4 LED Wraparound

| Performance Data |        |             |     |
|------------------|--------|-------------|-----|
| Lumen Package    | Lumens | Input Watts | LPW |
| 3000LM 80CRI 30K | 3167   | 25.6        | 124 |
| 3000LM 80CRI 35K | 3237   | 25.6        | 127 |
| 3000LM 80CRI 40K | 3288   | 25.6        | 129 |
| 3000LM 80CRI 50K | 3409   | 25.6        | 133 |
| 4000LM 80CRI 30K | 4097   | 32.4        | 126 |
| 4000LM 80CRI 35K | 4188   | 32.4        | 129 |
| 4000LM 80CRI 40K | 4253   | 32.4        | 131 |
| 4000LM 80CRI 50K | 4410   | 32.4        | 136 |
| 4800LM 80CRI 30K | 4695   | 40.5        | 116 |
| 4800LM 80CRI 35K | 4799   | 40.5        | 119 |
| 4800LM 80CRI 40K | 4874   | 40.5        | 120 |
| 4800LM 80CRI 50K | 5053   | 40.5        | 125 |
| 6000LM 80CRI 30K | 5968   | 49.7        | 120 |
| 6000LM 80CRI 35K | 6101   | 49.7        | 123 |
| 6000LM 80CRI 40K | 6196   | 49.7        | 125 |
| 6000LM 80CRI 50K | 6424   | 49.7        | 129 |
| 7200LM 80CRI 30K | 7066   | 62.0        | 114 |
| 7200LM 80CRI 35K | 7224   | 62.0        | 117 |
| 7200LM 80CRI 40K | 7336   | 62.0        | 118 |
| 7200LM 80CRI 50K | 7606   | 62.0        | 123 |



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

## How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode.

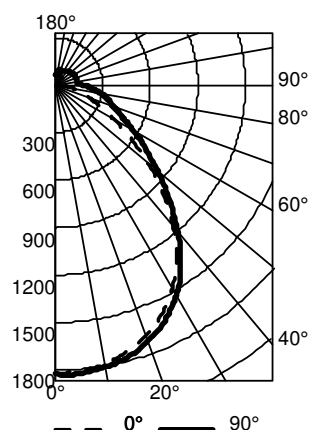
$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

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.

## PHOTOMETRICS

### LBL4 4800LM 80CRI 35K



| CP Summary |      |      | Coefficients of Utilization |     |     |     |     |     |     |     |     |     | Zonal Lumen Summary |      |       |        |
|------------|------|------|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|------|-------|--------|
|            |      |      | pf                          | 80% |     |     | 70% |     |     | 50% |     |     |                     |      |       |        |
|            |      |      | pc                          |     |     |     |     |     |     |     |     |     |                     |      |       |        |
|            |      |      | 0°                          | 90° | pw  | 70° | 50° | 30° | 50° | 30° | 10° | 50° | 30°                 | 10°  | Zone  | Lumens |
| 0°         | 1823 | 1823 | 0                           | 116 | 116 | 116 | 112 | 112 | 112 | 105 | 105 | 105 | 0° - 30°            | 1400 | 29.2  | 29.2   |
| 5°         | 1813 | 1828 | 1                           | 106 | 102 | 98  | 98  | 95  | 91  | 92  | 89  | 86  | 0° - 40°            | 2229 | 46.4  | 46.4   |
| 15°        | 1744 | 1776 | 2                           | 97  | 90  | 83  | 87  | 81  | 76  | 81  | 77  | 73  | 0° - 60°            | 3509 | 73.1  | 73.1   |
| 25°        | 1594 | 1640 | 3                           | 89  | 80  | 72  | 77  | 70  | 65  | 73  | 67  | 62  | 0° - 90°            | 4250 | 88.6  | 88.6   |
| 35°        | 1332 | 1384 | 4                           | 82  | 71  | 63  | 69  | 61  | 56  | 65  | 59  | 54  | 90° - 120°          | 266  | 5.5   | 5.5    |
| 45°        | 958  | 1020 | 5                           | 76  | 64  | 56  | 62  | 54  | 49  | 59  | 52  | 47  | 90° - 130°          | 348  | 7.3   | 7.3    |
| 55°        | 576  | 693  | 6                           | 71  | 58  | 50  | 56  | 49  | 43  | 54  | 47  | 42  | 90° - 150°          | 478  | 10.0  | 10.0   |
| 65°        | 302  | 464  | 7                           | 66  | 53  | 45  | 52  | 44  | 38  | 49  | 42  | 37  | 90° - 180°          | 549  | 11.4  | 11.4   |
| 75°        | 177  | 343  | 8                           | 61  | 48  | 40  | 47  | 40  | 34  | 45  | 38  | 34  | 0° - 180°           | 4799 | 100.0 | 100.0  |
| 85°        | 58   | 233  | 9                           | 57  | 45  | 37  | 44  | 36  | 31  | 42  | 35  | 30  |                     |      |       |        |
| 90°        | 5    | 177  | 10                          | 54  | 41  | 34  | 40  | 33  | 28  | 39  | 32  | 28  |                     |      |       |        |

## 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.

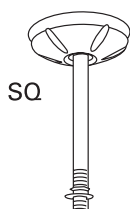
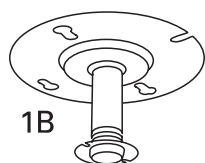
For unit or row installation; surface or suspend mounting.

Individual installation — 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.



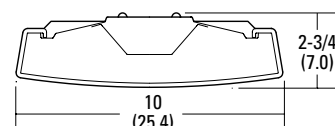
## DIMENSIONS

### Specifications

Length: 48 (122.0)

Width: 10 (25.4)

Depth: 2-3/4 (7.0)



All dimensions are inches (centimeters) unless otherwise indicated.