

# **FEATURES & SPECIFICATIONS**

INTENDED USE — The BLT Best-in-Value Low Profile LED luminaire features a popular center basket design that offers a clean, versatile style and volumetric distribution. High efficacy LED light engines deliver energy savings and low maintenance compared to traditional sources. An extensive selection of configurations and options make the BLT the perfect choice for many lighting applications including schools, offices and other commercial spaces, retail, hospitals and healthcare facilities. The low profile BLT design (2-3/8") also makes it an excellent choice for renovation projects.

**CONSTRUCTION** — Prior to fabrication, BLT components are coated with a proprietary paint blend and die-formed for dimensional consistency.

The reflector is finished with a high reflective matte white powder paint for improved aesthetics and increased light diffusion.

End plates contain easy-to-position integral T-bar clips for securely attaching the luminaire to the T-grid. For additional T-grid security, optional screw on T-bar clips are available.

Diffusers are extruded from impact modified acrylic for increased durability.

LED boards and drivers are accessible from the plenum.

**OPTICS** — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions and vertical and horizontal work surfaces – rendering the interior space, objects and occupants in a more balanced, complimentary luminous environment. High performance extruded acrylic diffusers conceal LEDs and efficiently deliver light in a volumetric distribution. Four diffuser choices available - curved and square designs with linear prisms or a smooth frosted finish.

**ELECTRICAL** — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 80% LED lumen maintenance at 60,000 hours (L80/60,000). Color Variation within 3-step MacAdam ellipse (3SDCM).

Non-Configurable BLT: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLT: available in High Efficiency (HE) versions for applications where a lower wattage (over the standard product) is required. The High Efficiency versions deliver >130 LPW and can be specified via the Lumen Package designations in the Ordering Information below.

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

Optional integrated nLight®controls make each luminaire addressable - allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Connection to nLight is simple. It can be accomplished with integrated nLight AIR wireless RIO, RES7 sensors, or through standard Cat-5 cabling. nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission. nLight AIR is commissioned easily through an intuitive model app.

Lumen Management: Unique lumen management system (option N80) provides on board intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

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

 $\label{lem:connect} \mbox{ Driver disconnect provided where required to comply with US and Canadian codes.}$ 

SENSOR— Integrated sensor (individual control): Sensor Switch MSD7ADCX ((Passive infrared (PIR)) or MSDPDT7ADCX ((PIR/Microphonics Dual Tech (PDT)) integrated occupancy sensor/automatic dimming photocell allows the luminaire to power off when the space is unoccupied or enough ambient light is entering the space. See page 4 for more details on the integrated sensor.

Integrated Sensor (nLight Wired Networking): This sensor is nLight-enabled, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. See page 4 for the nLight sensor options.

Integrated Smart Sensor (nLight Air Wireless Platform): The RES7 sensor is nLight AIR enabled, meaning it has the ability to communicate over the wireless nLight control platform. It is available with an automatic dimming photocell, and either a digital PIR or a microphonics (PDT) dual technology occupancy sensor. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY, which allows for simple sensor adjustment. See page 4 for more details on the Integrated Smart Sensor.

**INSTALLATION** — The BLT's low profile design of only 2-3/8" provides increased installation flexibility especially in restrictive plenum applications. The BLT fits into standard 15/16" and narrow 9/16" T-grid ceiling systems.

Suitable for damp location.

For recessed mounting in hard ceiling applications, Drywall Grid Adapters (DGA) are available as an accessory. See Accessories section.

**LISTINGS** — CSA Certified to meet U.S. and Canadian standards. IC rated.

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 <a href="https://www.designlights.org/QPL">www.designlights.org/QPL</a> to confirm which versions are qualified.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/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<br>Number |
|-------------------|
| Notes             |
|                   |
| Гуре              |
|                   |

**BLT Series LED** 



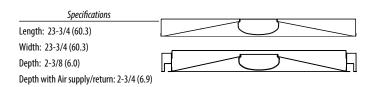






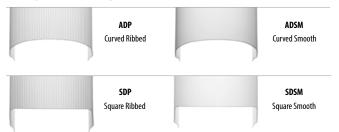






All dimensions are inches (centimeters) unless otherwise specified

## **Multiple Diffuser Options**



# \*\* 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 <a href="https://www.acuitybrands.com/aplus">www.acuitybrands.com/aplus</a>.

\*See ordering tree for details

COMMERCIAL INDOOR 2BLT-2X2



| ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. <b>Example:</b> 2BLT2 33L ADP EZ1 LP835 |   |   |   |  |   |   |  |  |  |  |
|--|---|---|---|--|---|---|--|--|--|--|
| 2BLT2 Series   | Air function  | Lumens <sup>2</sup>   | Diffuser  | Voltage  | Driver  | Color temperature   |  |  |  |  |
| 2BLT2 2X2 BLT  | (blank) Static<br>A Air<br>supply/<br>return <sup>1</sup> | Standard efficiency <sup>3,4</sup> (>125 LPW) 20L 2000 20LHE 2000 33L 3300 33LHE 3300 40L 4000 40LHE 4000 48L 4800 48LHE 4800 | ADP Curved, linear prisms ADSM Curved, smooth SDP Square, linear prisms SDSM Square, smooth Includes trim rings to match sensored version ADPT Curved, linear prisms ADSMT Curved, smooth SDPT Square, linear prisms SDSMT Square, smooth | (blank) MVOLT<br>120 120V<br>277 277V<br>347 347V <sup>7</sup> | EZ1 eldoLED dims to 1% (0-10 volt dimming)  GZ1 Dims to 1% (0-10V dimming) <sup>8</sup> GZ10 Dims to 10% (0-10V dimming) <sup>8</sup> SLD Step-level dimming <sup>9</sup> | LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K LP930 90CRI, 3000K LP935 90CRI, 3500K LP940 90CRI, 4000K LP950 90CRI, 5000K |  |  |  |  |

| nLight Interface                |   | Control 12  |   |                       | Standy  |     |   | Options   |   |  |
|---------------------------------|---|---|---|-----------------------|---|-----|---|---|---|--|
| nLight Wi                       |   | nLight Wi   |   | Individual Co         |   | NOC |   | EL7L  | 700 lumen battery pack (Noncompliant with CA T20) 16  |  |
| (blank) N80 N80EMG N100 N100EMG | no nLight ® interface nLight with 80% lumen management nLight with 80% lumen management For use with generator supply EM power 10 nLight without lumen management nLight without lumen management for use with generator supply EM power 10 | (blank) NES7 NESPDT7 NESPADCX NESPDT7AL                             | No sensor control  nLight™ nES 7 PIR integral occupancy sensor <sup>13</sup> nLight™ nES PDT 7 dual technology integral occupancy control <sup>13</sup> nLight™ nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell <sup>13</sup> DCX  nLight™ nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell <sup>13</sup> | MSD7ADCX  MSDPDT7ADCX | PIR integral occupancy sensor with automatic dimming control photocell <sup>14</sup> PDT integral occupancy sensor with automatic dimming control photocell <sup>14</sup> |     | Occupancy<br>sensor<br>disabled <sup>15</sup> | EL14L EL14LSD E10WLCP CP BGTD PWS1836 PWS1846   | 1400 lumen battery pack (Noncompliant with CA T20) 16 1400 lumen battery pack with self-diagnostic testing feature (Noncompliant with CA T20) 16,17 EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS 16 Chicago plenum <sup>18</sup> Bodine Generator Transfer Device <sup>19</sup> 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit 6' pre-wire, 3/8" diameter, 18 qauge, |  |
| nLight Wi                       | ireless   | nLight Wi   | reless  |                       |   |     |   | PWS1846 PWSLV   | 2 circuit Two cables: one 6' pre-wire, 3/8"   |  |
| (blank)<br>NLTAIR2              | no nLight ® interface<br>nLight AIR Generation<br>2 enabled <sup>11</sup>   | ight ° interface RES7 nLight AIR PIR integral occupancy sensor with |   |                       |   |     | PWS1856LV                                     | diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge, purple and gray <sup>20</sup> 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/low voltage purple and grey wires <sup>20</sup> |   |  |
|                                 |   | 11257151  | technology occupancy sensor   |                       |   |     |   | GLR   | Fast-blowing fuse <sup>21</sup>   |  |
|                                 |   |   | with automatic dimming photocell  |                       |   |     |   | GMF   | Slow-blowing fuse <sup>21</sup>   |  |
|                                 |   | RIO   | nLight AIR radio module   |                       |   |     |   | NPLT  | Narrow pallet   |  |
|                                 |   |   | without sensor  |                       |   |     |   | RRL_  | RELOC®-ready luminaire <sup>22</sup>  |  |
|                                 |   |   |   |                       |   |     |   | LATC  | Earthquake clip   |  |
|                                 |   |   |   |                       |   |     |   | DWAM  | Anti-Microbial paint  |  |
|                                 |   |   |   |                       |   |     |   | JP32  | Job packaging   |  |
|                                 |   |   |   |                       |   |     |   | IP5X  | Gasketed diffuser compartment to meet IP5X rating <sup>23</sup>   |  |

| Non-Configu | Non-Configurable BLT      |                |        |         |     |                   |         |            |  |  |  |
|-------------|---------------------------|----------------|--------|---------|-----|-------------------|---------|------------|--|--|--|
| Stock/MT0   | Catalog Description *     | UPC            | Lumens | Wattage | LPW | Color Temperature | Voltage | Pallet Qty |  |  |  |
| Stock       | 2BLT2 33L ADP LP835       | 00190887529708 | 3332   | 26      | 127 | 3500K/82 CRI      | 120-277 | 56         |  |  |  |
|             | 2BLT2 33L ADP LP840       | 00190887529739 | 3385   | 26      | 129 | 4000K/82CRI       | 120-277 | 56         |  |  |  |
|             | 2BLT2 33L ADP EL14L LP835 | 00190887529890 | 3332   | 26      | 127 | 3500K/82CRI       | 120-277 | 56         |  |  |  |
|             | 2BLT2 33L ADP EL14L LP840 | 00190887529937 | 3385   | 26      | 129 | 4000K/82CRI       | 120-277 | 56         |  |  |  |
| MT0         | 2BLT2 33L ADP 347 LP835   |                | 3332   | 26      | 127 | 3500K/82 CRI      | 347     | 56         |  |  |  |
|             | 2BLT2 33L ADP 347 LP840   |                | 3385   | 26      | 129 | 4000K/82CRI       | 347     | 56         |  |  |  |

<sup>\*</sup>Generic 0-10V Dimming to 10%.

Notes and Accessories next page



# **2BLT** Volumetric Recessed Lighting 2'x2'

#### Notes

- 1 Consult factory for airflow data.
- 2 Approximate lumen output.
- 3 All versions may not achieve 125+ LPW. Refer to photometry on www.acuitybrands.com.
- 4 Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 125 LPW.
- All versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com.
- Air supply/return option, 90 CRI, and versions with integral sensor trim rings may not achieve 130 LPW.
- 7 Not available with SLD EL7L, or EL14L options.
- GZ1 and GZ10 not available with any Control or Sensor options
- 9 Not available with N80, N80EMG, N100, N100EMG, NLTAIR2, or occupancy control.
- 10 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.
- 11 Must order with RES7, RES7PDT or Rio module. Must order with EZ1 driver.

- 12 Must specify diffuser with trim rings. See sensor options on page 4.
- 13 Requires N80, N80EMG, N100, or N100EMG. Must order with EZ1 driver.
- 14 Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate.
- 15 Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.
- 16 When using pre-wire option, use PWS1846 or PWS1846 PWSLV.
- 17 For more information, please see the <u>PSSD2 specification sheet</u>.
- 18 Not available with N80, N80EMG, N100, or N100EMG.
- 19 Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options.
- 20 Not available with nLight wired/wireless network or individual controls.
- 21 Must specify voltage, 120 or 277, with GLR and GFM fusing.
- 22 For ordering logic consult RRL 2013.
- 23 Not available with air supply/return or Wired Networking (NES\_) and Individual Control (MSD\_) sensors.

| Accessories: Orde | r as separate catalog number.                 |
|-------------------|---|
| DGA22             | Drywall grid adapter for 2x2 recessed fixture |
| 2X2SMKSHP PAF     | Surface Mount Troffer Kit Post Paint          |

| nLight® Wired Control Accessories:<br>Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight. |                  |  |                            |  |  |  |  |  |
|--|------------------|--|----------------------------|--|--|--|--|--|
| WallPod stations   | Model number     | Occupancy sensors                            | Model number               |  |  |  |  |  |
| On/Off   | nPODM [color]    | Small motion 360°, ceiling (PIR / dual tech) | nCM 9 RJB / nCM PDT 9 RJB  |  |  |  |  |  |
| On/Off & raise/lower   | nPODM DX [color] | Large motion 360°, ceiling (PIR / dual tech) | nCM10 RJB / nCM PDT 10 RJB |  |  |  |  |  |
| Graphic touchscreen  | nPOD GFX [color] | Wall switch with raise/lower                 | nWSX PDT LV DX [color]     |  |  |  |  |  |
| Photocell controls   | Model number     | Cat-5 cable (plenum rated)                   | Model number               |  |  |  |  |  |
| Full range dimming   | nCM ADCX RJB     | 10' cable                                    | CATS 10FT J1               |  |  |  |  |  |
|  |                  | 30' cable                                    | CAT5 30FT J1               |  |  |  |  |  |

### nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

| Wall switches                    | Model number           |
|----------------------------------|------------------------|
| On/Off single pole               | rPODB [color] G2       |
| On/Off two pole                  | rPODB 2P [color] G2    |
| On/Off & raise/lower single pole | rPODB DX [color] G2    |
| On/Off & raise/lower two pole    | rPODB 2P DX [color] G2 |
| On/Off & raise/lower single pole | rPODBZ DX WH G2        |

| rCMS <sup>1</sup> | rCMS <sup>1</sup> Example: RCMS PDT 10 AR G    |                   |  |                |   |              |  |               |                            | MS PDT 10 AR G2 |                               |
|-------------------|--|-------------------|--|----------------|---|--------------|--|---------------|----------------------------|-----------------|-------------------------------|
| Series /          | Detection                                      | Power S           | upply¹   | Occupan        | cy Detection                                    | Lens         | (Required)   | Operatir      | ıg Mode                    | Gene            | ration                        |
| RCMS              | nLight AIR<br>occupancy and<br>daylight sensor | [blank]<br>PS 150 | Power Supply<br>ordered<br>separately<br>Standard 150 mA<br>Power Supply | [blank]<br>PDT | PIR Detection<br>Dual Tech PIR/<br>Microphonics | 10<br>9<br>6 | Large Motion/ Extended<br>Range 360°<br>Small Motion/ Extended<br>Range 360°<br>High Bay 360° Lens | [BLANK]<br>AR | None<br>Auxiliary<br>Relay | G2              | Generation 2<br>compatibility |

| Replacement Parts: Order as separate catalog number. |                                    |                        |  |  |  |  |  |  |  |
|--|------------------------------------|------------------------|--|--|--|--|--|--|--|
| *247WJV  | 2DBLT24 ADP LENS ASSEMBLY          | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *249P2P  | 2DBLT24 SDP LENS ASSEMBLY          | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *249P2W  | 2DBLT24 ADSM LENS ASSEMBLY         | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *249P32  | 2DBLT24 SDSM LENS ASSEMBLY         | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237LT1  | 2DBLT24 ADPT LENS ASSEMBLY         | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237LT3  | 2DBLT24 SDPT LENS ASSEMBLY         | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237LT5  | 2DBLT24 ADSMT LENS ASSEMBLY        | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237LT7  | 2DBLT24 SDSMT LENS ASSEMBLY        | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237LT9  | 2DBLT24 ADPT SENSOR LENS ASSEMBLY  | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237M4Y  | 2DBLT24 SDPT SENSOR LENS ASSEMBLY  | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237M57  | 2DBLT24 ADSMT SENSOR LENS ASSEMBLY | 2 ft. replacement lens |  |  |  |  |  |  |  |
| *237M5H  | 2DBLT24 SDSMT SENSOR LENS ASSEMBLY | 2 ft. replacement lens |  |  |  |  |  |  |  |
|  |                                    |                        |  |  |  |  |  |  |  |

#### Notes

1 RCMS requires low voltage power from either RPP20 DS 24V G2 or PS150.













| Sensor Options |                   |          |           |              |                          |  |  |  |  |  |  |
|----------------|-------------------|----------|-----------|--------------|--------------------------|--|--|--|--|--|--|
| Ontion         | Automatic         | Occupano | y Sensing | nLight Wired | nLight AIR<br>Networking |  |  |  |  |  |  |
| Option         | Dimming Photocell | PIR      | PDT       | Networking   |                          |  |  |  |  |  |  |
| MSD7ADCX       | Х                 | Х        |           |              |                          |  |  |  |  |  |  |
| MSDPDT7ADCX    | Х                 |          | Х         |              |                          |  |  |  |  |  |  |
| NES7           |                   | Х        |           | Х            |                          |  |  |  |  |  |  |
| NES7ADCX       | Х                 | Х        |           | Х            |                          |  |  |  |  |  |  |
| NESPDT7        |                   |          | Х         | Х            |                          |  |  |  |  |  |  |
| NESPDT7ADCX    | Х                 |          | Х         | Х            |                          |  |  |  |  |  |  |
| RES7           | Х                 | Х        |           |              | Х                        |  |  |  |  |  |  |
| RESPDT7        | Х                 | Х        | Х         |              | Х                        |  |  |  |  |  |  |

#### **Integrated Sensor with Individual Control**

The MSD7ADCX PIR occupancy sensor/automatic dimming photocell is ideal for areas without obstructions and where daylight harvesting may be desired. Suggested applications include, but not limited to, hallways, corridors, storage rooms, and breakrooms or other areas where people are typically moving.

The MSDPDT7ADCX PIR/Microphonics Dual Tech occupancy sensor/automatic dimming photocell is ideal for areas with obstructions and where daylight harvesting is desired. Suggested applications include, but not limited to, open offices, private offices, classrooms, public restrooms, and conference rooms

# **Sequence of Operation**



<sup>\*</sup>The presetting on the automatic dimming photocell is 5fc.

### **Sensor Coverage Pattern** Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and
- 1.75x up to 20 ft (6.10 m).
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74 m)
- Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor

### **Basic nLight Zone**

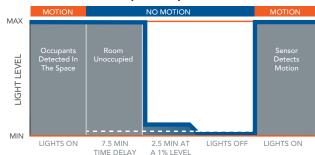


#### nLight Wired Networking

The nES 7 is ideal for small rooms without obstructions or areas with primarily walking motion. Ideal areas include hallways, corridors, storage rooms, and breakrooms. Additionally, the NES7ADCX includes an integrated photocell, which enables daylight harvesting controls.

For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the NESPDT7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

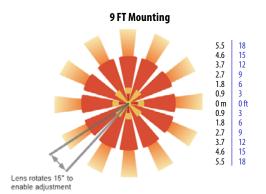
#### **Sequence of Operation**



<sup>\*</sup>The presetting on the automatic dimming photocell is 5fc.

## nLight AIR Wireless

nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated RES7 or RES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application.









### Simple as 1,2,3

- 1. Install the nLight® AIR fixtures with embedded smart sensor
- 2. Install the wireless battery-powered wall switch
- 3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

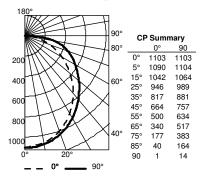




nLight AIR rPODB 2P DX G2

# **PHOTOMETRICS**

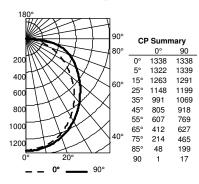
2BLT2 33L ADP LP835, 3332 delivered lumens, test no. ISF36900P19, tested in accordance to IESNA LM-79



| Coefficients of Utilization |     |     |     |     |     |     |     |     |     |  |  |  |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| pf                          |     |     |     | 2   | :0% |     |     |     |     |  |  |  |
| рс                          |     | 80% |     |     | 70% |     | 50% |     |     |  |  |  |
| pw                          | 70% | 50% | 30% | 50% | 30% | 10% | 50% | 30% | 10% |  |  |  |
| 0                           | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |  |  |  |
| 1                           | 108 | 102 | 97  | 100 | 96  | 92  | 96  | 92  | 89  |  |  |  |
| 2                           | 97  | 88  | 81  | 86  | 80  | 74  | 83  | 77  | 72  |  |  |  |
| 3                           | 88  | 77  | 69  | 76  | 68  | 61  | 72  | 66  | 60  |  |  |  |
| <u>~</u> 4                  | 81  | 68  | 59  | 67  | 58  | 52  | 64  | 57  | 51  |  |  |  |
| ~ 25                        | 74  | 61  | 51  | 60  | 51  | 44  | 57  | 50  | 44  |  |  |  |
| <sup>щ</sup> 6              | 68  | 55  | 45  | 54  | 45  | 39  | 52  | 44  | 38  |  |  |  |
| 7                           | 63  | 50  | 40  | 49  | 40  | 34  | 47  | 39  | 34  |  |  |  |
| 8                           | 59  | 45  | 36  | 44  | 36  | 30  | 43  | 36  | 30  |  |  |  |
| 9                           | 55  | 41  | 33  | 41  | 33  | 27  | 40  | 32  | 27  |  |  |  |
| 10                          | 52  | 38  | 30  | 38  | 30  | 25  | 37  | 30  | 25  |  |  |  |
|                             |     |     |     |     |     |     |     |     |     |  |  |  |

|               | Zor        | nal Lume | n Summa | ry        |
|---------------|------------|----------|---------|-----------|
| %             | Zone       | Lumens   | % Lamp  | % Fixture |
| <u>%</u><br>1 | 0° - 30°   | 853      | 25.6    | 25.6      |
| )             | 0° - 40°   | 1390     | 41.7    | 41.7      |
| 2             | 0° - 60°   | 2466     | 74.0    | 74.0      |
| )             | 0° - 90°   | 3330     | 100.0   | 100.0     |
|               | 90° - 120° | 2        | 0.0     | 0.0       |
| Ļ             | 90° - 130° | 2        | 0.0     | 0.0       |
| 3             | 90° - 150° | 2        | 0.0     | 0.0       |
| Ļ             | 90° - 180° | 2        | 0.0     | 0.0       |
| )             | 0° - 180°  | 3332     | 100.0   | 100.0     |
| 7             |            |          |         |           |
|               |            |          |         |           |

## 2BLT2 40L ADP LP835, 4041 delivered lumens, test no. ISF36900P35, tested in accordance to IESNA LM-79

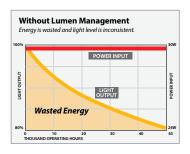


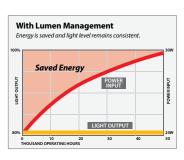
|     |    |     | Coe | efficie | ents c | of Ut | ilizat | ion |     |     |
|-----|----|-----|-----|---------|--------|-------|--------|-----|-----|-----|
| F   | of |     |     |         | 2      | 0%    |        |     |     |     |
| ŗ   | С  |     | 80% |         |        | 70%   | •      |     | 50% |     |
| _p  | W  | 70% | 50% | 30%     | 50%    | 30%   | 10%    | 50% | 30% | 109 |
|     | 0  | 119 | 119 | 119     | 116    | 116   | 116    | 111 | 111 | 11  |
|     | 1  | 108 | 102 | 97      | 100    | 96    | 92     | 96  | 92  | 89  |
|     | 2  | 97  | 88  | 81      | 86     | 80    | 74     | 83  | 77  | 72  |
|     | 3  | 88  | 77  | 69      | 76     | 68    | 61     | 72  | 66  | 60  |
| ~   | 4  | 81  | 68  | 59      | 67     | 58    | 52     | 64  | 57  | 51  |
| RCR | 5  | 74  | 61  | 51      | 60     | 51    | 44     | 57  | 50  | 44  |
| ш   | 6  | 68  | 55  | 45      | 54     | 45    | 39     | 52  | 44  | 38  |
|     | 7  | 63  | 50  | 40      | 49     | 40    | 34     | 47  | 39  | 34  |
|     | 8  | 59  | 45  | 36      | 44     | 36    | 30     | 43  | 36  | 30  |
|     | 9  | 55  | 41  | 33      | 41     | 33    | 27     | 40  | 32  | 27  |
| 1   | 0  | 52  | 38  | 30      | 38     | 30    | 25     | 37  | 30  | 25  |
|     |    |     |     |         |        |       |        |     |     |     |
|     |    |     |     |         |        |       |        |     |     |     |

| Zonal Lumen Summary |  |   |   |  |  |  |  |  |
|---------------------|--|---|---|--|--|--|--|--|
| Zone                | Lumens   | % Lamp  | % Fixture   |  |  |  |  |  |
| 0° - 30°            | 1035   | 25.6  | 25.6  |  |  |  |  |  |
| 0° - 40°            | 1686   | 41.7  | 41.7  |  |  |  |  |  |
| 0° - 60°            | 2991   | 74.0  | 74.0  |  |  |  |  |  |
| 0° - 90°            | 4039   | 100.0   | 100.0   |  |  |  |  |  |
| 90° - 120°          | 2  | 0.0   | 0.0   |  |  |  |  |  |
| 90° - 130°          | 2  | 0.0   | 0.0   |  |  |  |  |  |
| 90° - 150°          | 2  | 0.0   | 0.0   |  |  |  |  |  |
| 90° - 180°          | 2  | 0.0   | 0.0   |  |  |  |  |  |
| 0° - 180°           | 4041   | 100.0   | 100.0   |  |  |  |  |  |
|                     | Zone<br>0° - 30°<br>0° - 40°<br>0° - 60°<br>0° - 90°<br>90° - 120°<br>90° - 150°<br>90° - 180° | Zone         Lumens           0° - 30°         1035           0° - 40°         1686           0° - 60°         2991           0° - 90°         4039           90° - 120°         2           90° - 130°         2           90° - 150°         2           90° - 180°         2 | Zone         Lumens         % Lamp           0° - 30°         1035         25.6           0° - 40°         1686         41.7           0° - 60°         2991         74.0           0° - 90°         4039         100.0           90° - 120°         2         0.0           90° - 150°         2         0.0           90° - 180°         2         0.0           90° - 180°         2         0.0 |  |  |  |  |  |

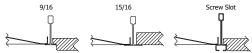
# **Constant Lumen Management**

Enabled by the embedded nLight control, the BIT actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.





| MOUNTING DATA                      |                          |  |  |  |  |
|------------------------------------|--------------------------|--|--|--|--|
| Ceiling Type                       | Appropriate<br>Trim Type |  |  |  |  |
| Exposed grid tee<br>(1' and 9/16") | G                        |  |  |  |  |
| Concealed grid tee                 | G                        |  |  |  |  |
| Plaster or plasterboard            | G*                       |  |  |  |  |



\*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").

#### How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode Delivered Lumens = 1.25 x Px LPW

 $P = \mbox{Output power of emergency driver.} \ P = \mbox{10W for E10WLCP option.} \ LPW = \mbox{Lumen per watt rating of the luminaire.} \ This information is available on the ABL luminaire spec sheet. <math display="block"> \mbox{LPW} = \mbox{Lumen per watt rating of the luminaire.} \ LPW \ \mbox{information available in Performance Data section.}$ 

| Performance Data                                   |         |        |       |             |          |  |  |
|--|---------|--------|-------|-------------|----------|--|--|
| Model Number                                       | Lumens  | LPW    | Watts | DLC Listing | DLC ID   |  |  |
| 2BLT2 20L ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 2065.45 | 124.06 | 16.64 | Premium     | PM92196A |  |  |
| 2BLT2 2OL ADP EZ1 (GZ10) LP835 [All Options]       | 2033    | 126.58 | 16.06 | Premium     | P6445UVD |  |  |
| 2BLT2 2OL ADP GZ1 LP835 [All Options]              | 2033    | 122.11 | 16.64 | standard    | PLNK6MX8 |  |  |
| 2BLT2 2OL ADPT EZ1 (GZ10) LP840 [All Options]      | 2037.91 | 126.89 | 16.06 | Premium     | PYX15QEQ |  |  |
| 2BLT2 20L ADPT GZ1 LP835 [All Options]             | 2005.89 | 120.49 | 16.64 | standard    | P40HQGLB |  |  |
| 2BLT2 20L ADPT GZ1 LP840 [All Options]             | 2037.91 | 122.41 | 16.64 | standard    | PB3HB9AK |  |  |
| 2BLT2 33L ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 3332    | 124.92 | 26.67 | Premium     | PHSXHE8F |  |  |
| 2BLT2 33L ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 3385.19 | 126.91 | 26.67 | Premium     | PD18CKQ8 |  |  |
| 2BLT2 33L ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 3340.05 | 125.22 | 26.67 | Premium     | PF98CZ2H |  |  |
| 2BLT2 33L ADPT EZ1 (GZ10) LP835 [All Options]      | 3287.57 | 125.14 | 26.27 | Premium     | PTKZR9WQ |  |  |
| 2BLT2 33L ADPT GZ1 LP835 [All Options]             | 3287.57 | 123.25 | 26.67 | standard    | PTN5023N |  |  |
| 2BLT2 40L ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 4041    | 127.35 | 31.73 | Premium     | P1XWW9GV |  |  |
| 2BLT2 40L ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 4105.51 | 129.38 | 31.73 | Premium     | PHCQ2CQF |  |  |
| 2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP835 [All Options] | 3987.12 | 125.65 | 31.73 | Premium     | PW6RMMJ4 |  |  |
| 2BLT2 40L ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 4050.77 | 127.65 | 31.73 | Premium     | P5YYDAA8 |  |  |
| 2BLT2 48L ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 4800    | 109.9  | 43.67 | standard    | PJRH1R1G |  |  |
| 2BLT2 48L ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 4876.63 | 111.66 | 43.67 | standard    | P8G93Y0K |  |  |
| 2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP835 [All Options] | 4736    | 108.44 | 43.67 | standard    | PITU3V6X |  |  |
| 2BLT2 48L ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 4811.61 | 110.17 | 43.67 | standard    | P5X2XU76 |  |  |

DLC information is subject to change, for the most up-to-date information please refer to www.dlc.org. Above listings do not cover 347v or SLD.

| HE Performance Data                                  |         |        |       |             |          |  |  |
|--|---------|--------|-------|-------------|----------|--|--|
| Model Number   | Lumens  | LPW    | Watts | DLC Listing | DLC ID   |  |  |
| 2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 1948    | 130.59 | 14.91 | Premium     | PUQCZNQI |  |  |
| 2BLT2 20LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 1979.1  | 132.67 | 14.91 | Premium     | PJCZRW21 |  |  |
| 2BLT2 20LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 1952.71 | 130.9  | 14.91 | Premium     | PLC4RF4L |  |  |
| 2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 3392    | 137.3  | 24.7  | Premium     | PXXZN9PH |  |  |
| 2BLT2 33LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 3446.15 | 139.5  | 24.7  | Premium     | PKPJYYRF |  |  |
| 2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options] | 3346.77 | 135.47 | 24.7  | Premium     | PZC8BZSS |  |  |
| 2BLT2 33LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 3400.2  | 137.64 | 24.7  | Premium     | PM5G8AFU |  |  |
| 2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 4118    | 133.71 | 30.79 | Premium     | PJ55XFFP |  |  |
| 2BLT2 40LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 4183.74 | 135.85 | 30.79 | Premium     | PEGFHPZD |  |  |
| 2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options] | 4063.09 | 131.93 | 30.79 | Premium     | P8E16E9B |  |  |
| 2BLT2 40LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 4127.96 | 134.04 | 30.79 | Premium     | PFRSSSVG |  |  |
| 2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP835 [All Options]  | 4845    | 128    | 37.85 | Premium     | P558XUZP |  |  |
| 2BLT2 48LHE ADP EZ1 (GZ1, GZ10) LP840 [All Options]  | 4922.35 | 130.04 | 37.85 | Premium     | P1863H56 |  |  |
| 2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP835 [All Options] | 4780.4  | 126.29 | 37.85 | Premium     | PHPTG5M8 |  |  |
| 2BLT2 48LHE ADPT EZ1 (GZ1, GZ10) LP840 [All Options] | 4856.71 | 128.31 | 37.85 | Premium     | PBKN954Z |  |  |

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