

DIGITAL NAVIGATION

Ordering Tree nLight Platform SensorSwitch Platform Photometrics Performance Data

FEATURES & SPECIFICATIONS

INTENDED USE — The BLT4R is designed to retrofit nearly any 1x4 fluorescent lensed or parabolic troffer with normal dimensions and construction (see dimensions). The standard kits are designed for T-grid mounted recessed and are UL rated for use in air-handling troffer housings. Integrated system bypasses all old fluorescent components for reliable, long-lasting performance and is a perfect platform for modern networked controls. Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.

CONSTRUCTION — Universal end brackets are painted steel and are designed to fit securely in nearly any 1x4 lensed or parabolic troffer (see dimensional requirements). Unitized doorframe reflector and electrical chassis does not require any field assembly, and is painted after fabrication with high reflectivity matte white powder coating. Diffuser trim rings add a finished appearance while providing a mounting point for integral controls and sensors.

All electrical and mechanical components can be accessed from below the ceiling plane.

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. Greater than 80% LED lumen maintenance at 60,000 hours (L80+ \times 60,000). Calculated L70 lumen maintenance greater than 150,000 hours.. Color Variation within 3-step MacAdam ellipse (3SDCM).

Base (non-configurable) BLTR: Generic 0-10 volt dimming driver. Dims to 10%

Configurable BLTR: 1x4 BLTR kits provide > 135 LPW across a broad range of lumen outputs, CCTs, and driver options. 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 Field Adjustable Output (FAOE, FAO) devices provide a simple mechanical means of "dialing in" preferred high-end lumens.

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

SENSOR— **Integrated sensor (individual control):** SensorSwitch 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 6 for the nLight sensor untions

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 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 6 fore more details on the Integrated Smart Sensor.

Integrated Wireless Sensor (single room control): SensorSwitch SSAIR or SSAIR VAPIR luminaire-embedded occupancy and ambient light sensor allows the luminaire to power off when the space is unoccupied or when enough ambient light is entering the space. See page 4 for more details on the integrated wireless sensor.

INSTALLATION — After existing fluorescent components are removed from the host housing, universal end brackets are secured in place with TEKS™ screws. The BLTR's integrated driver and light engine door assembly can then be hinged to the universal end brackets and will hang in place for completion of assembly plug-in wiring. Rotate the doorframe assembly closed and pivot the cam latches to secure the doorframe in place. Suitable for damp location installations. Damp location not available with sensor versions.

LISTINGS — UL/cUL Listed for use in fluorescent luminaires. Classified for use in both static and air-handling troffer housings (see installation instructions for details). Installing Relight assemblies per instructions will not impact existing fixture UL listing. Tested to LM80 standards.

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 — Standard BLTR meets TAA requirements. Products specified with the BAA. 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 $^{\circ}$ C. Specifications subject to change without notice.

| Catalog Number | |
|-------------------|--|
| Notes | |
| Туре | |

BLTR Relight Series



Specifications

Length: 47.8 (121.4)
Width: 11.9 (30.2)
Depth: 2.75 (6.9)
Weight: 10.25 (26)

All dimensions are inches (centimeters) unless otherwise specified.

Embed nLight controls today. Prepare for tomorrow.



COMMERCIAL INDOOR BLTR-1X4

Example: BLT4R 30L ADP EZ1 LP835

ORDERING INFORMATION

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

| BLT4R | | | | | | |
|----------------|---|--|--|--|--|--|
| Series | Air Function | Lumens ² | Diffuser | Voltage | Driver | Color temperature |
| BLT4R 1X4 BLTR | (blank) Standard white two- piece flanged bracket (meets UL air-handling requirements but may not match air-handling host fixture finish) A Standard flanged bracket painted black to match most parabolic air-handling reveals¹ F Flangeless bracket for installation in drywall / "hard lid" ceilings | 20L 2000 30L 3000 40L 4000 48L 4800 60L 6000 | ADP Curved, linear prisms ADSM Curved, smooth SDP Square, linear prisms SDSM Square, smooth LUGR Very low UGR lens Diffusers w/ trim rings ADPT Curved, linear prisms ADSMT Curved, smooth SDPT Square, linear prisms SDSMT Square, smooth LUGRT Very low UGR lens with trim | (blank) MVOLT 120 120V 277 277V 347 347V ^{4,5} | EZ1 eldoLED dims to 1% (0-10 volt dimming) GZ1 Dims to 1% (0-10V dimming) 6 GZ10 Dims to 10% (0-10V dimming) 6 SLD Step-level dimming 7 | LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K LP930 90CRI, 3000K ¹⁸ LP935 90CRI, 3500K ¹⁸ LP940 90CRI, 4000K ¹⁸ LP950 90CRI, 5000K ¹⁸ |

| nLight Interface | Control ¹⁰ | Standby Mode | Options | | |
|--|---|---|---|---|--|
| (blank) no nLight ® interface NLTAIR2 nLight AIR Generation 2 enabled nLight Wired (blank) no nLight ® interface NB0 nLight with 80% lumen management. For use with generator supply EM power N100 nLight without lumen management N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management. For use with generator supply EM power N100EMG nLight without lumen management N10 | RES7 DTEM RES7PDTEM RES7PDTEM RES7PDT ILight AIR control with PIR integral occupancy sensor and automatic dimming photocell ¹⁶ RIO nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell ¹⁶ RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ¹⁶ RES7PDTEM nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ¹⁶ RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ¹⁶ RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ¹⁶ NESPDT7 nLight™ nES 7 PIR integral occupancy sensor ¹¹ NESPDT7 nLight™ nES 7 PIT 7 dual technology integral occupancy with automatic dimming photocell ¹¹ NESPDT7ADCX nLight™ nES 7 DT 7 dual technology integral occupancy sensor with automatic dimming photocell ¹¹ | Individual Control MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell 12 MSDPDT7ADCX PDT integral occupancy sensor with automatic dimming control photocell 12 SSAIR Wireless standalone embedded control by SensorSwitch 17 SSAIR VAPIR Wireless standalone embedded control by SensorSwitch 17 Wireless standalone embedded control by SensorSwitch with Passive Infrared Occ sensor with auto-dimming photocell 17 | NOC Occupancy sensor disabled ¹³ | FAOE FAO BDP EL7L E114L E10WLCP BGTD GLR GMF NPLT BAA | Field adjustable output -Energy Focused. 8 increment selections down to 17% wattage / 23% lumens Field adjustable output (old style) - 8 increment selections down to 71% wattage / 67% lumens Disconnect Plug 700 lumen battery pack (Noncompliant with CA T20) 16 1400 lumen battery pack (Noncompliant with CA T20) 16 EM Self-Diagnostic battery pack, 10W Constant Power, (Certified in CA Title 20 MAEDBS) 15 Bodine Generator Transfer Device 14 Fast-blowing fuse 15 Slow-blowing fuse 15 Narrow pallet Buy America(n) Act Compliant |

Notes

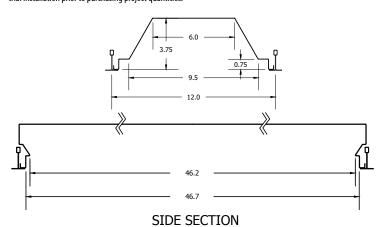
- 1 Consult factory for airflow data.
- Approximate lumen output.
- All versions may not achieve 130+ LPW. Refer to photometry on www.acuitybrands.com.
 Not available with EL7L or EL14L battery packs.
- 347 not available with SLD.
- GZ1, GZ10 not available with any Control or Sensor options.
- Not available with N80, N80EMG, N100, N100EMG, NLTAIR2, or occupancy control.
- nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled
- Must order with RES7, RES7PDT, or RIO sensor. Only available with EZ1 driver.
- 10 Must specify diffuser with trim rings. See sensor options on
- 11 Requires N80, N80EMG, N100, or N100EMG.

- 12 Only available with EZ1 driver option. 0-10v dimming wires not accessible via access plate. Not available with Controls options. Not available with FAOE.
- 13 Can only be ordered in conjunction with EZ1, NLTAIR2, RES7/ RES7PDT. Occupancy sensor disabled at factory but can be re-enabled upon commissioning.

 14 Requires <u>BSE labeling</u>.
- Must specify voltage, 120 or 277 with GLR & GMF fusing.
 See UL924 Sequence of Operation information on page 3. When
- combined with the EZ1 option, can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options.
- Wired 0-10v dimming control not available. Not available with nLight Interface or Controls options. Not available with NOC, SLD, BGTD, or FAO. Must specify diffuser with trim rings.

Fit & Compatibility

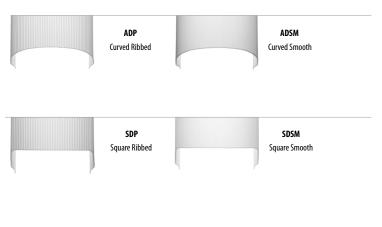
The BLT4R Relight Assembly was designed to upgrade recessed 1x4 fixtures, including most parabolic and lensed troffers from all major manufacturers. Dimensional requirements are below, but Lithonia Lighting recommends a trial installation prior to purchasing project quantities.



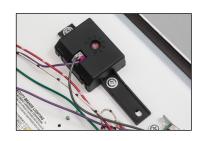
| | Performance D | ata - ADP Diffuser | |
|---------------|---------------|--------------------|-----|
| Lumen Package | Lumens | Input Watts | LPW |
| 20L ADP LP830 | 2,020 | 14.8 | 136 |
| 20L ADP LP835 | 2,048 | 14.8 | 138 |
| 20L ADP LP840 | 2,104 | 14.8 | 142 |
| 20L ADP LP850 | 2,137 | 14.8 | 144 |
| 30L ADP LP830 | 3,014 | 22.3 | 135 |
| 30L ADP LP835 | 3,055 | 22.3 | 137 |
| 30L ADP LP840 | 3,139 | 22.3 | 141 |
| 30L ADP LP850 | 3,178 | 22.3 | 143 |
| 40L ADP LP830 | 3,821 | 29.0 | 132 |
| 40L ADP LP835 | 3,874 | 29.0 | 134 |
| 40L ADP LP840 | 3,980 | 29.0 | 137 |
| 40L ADP LP850 | 4,021 | 29.0 | 139 |
| 48L ADP LP830 | 4,639 | 33.9 | 137 |
| 48L ADP LP835 | 4,704 | 33.9 | 139 |
| 48L ADP LP840 | 4,833 | 33.9 | 142 |
| 48L ADP LP850 | 4,881 | 33.9 | 144 |
| 60L ADP LP830 | 5,742 | 43.1 | 133 |
| 60L ADP LP835 | 5,822 | 43.1 | 135 |
| 60L ADP LP840 | 5,981 | 43.1 | 139 |
| 60L ADP LP850 | 6,024 | 43.1 | 140 |

| | Li | umen Mul | tiplier for | Lens Opti | Lumen Multiplier for Lens Options (input wattage remains unchanged) | | | | | | | | | | | | |
|---|------|----------|-------------|-----------|---|-------|------|-------|-------|--|--|--|--|--|--|--|--|
| A | DSM | SDP | SDSM | LUGR | ADPT | ADSMT | SDPT | SDSMT | LUGRT | | | | | | | | |
| | 1.02 | 1.02 | 1.02 | 1.14 | 0.93 | 0.95 | 0.95 | 0.95 | 1.06 | | | | | | | | |

Multiple Diffuser Options



Optional Adjustable Output



FAOE SETTINGS - Field Adjustable Output - Energy Focused

| | 0-10 Voltage Dial Setting | % Lumen Output (approximate) | % Input Wattage (approximate) |
|--------|------------------------------|------------------------------|----------------------------------|
| Step 8 | Full Output | 100% | 100% |
| Step 7 | 7.5 VDC | 95% | 93% |
| Step 6 | 6.5 VDC | 85% | 79% |
| Step 5 | 5.5 VDC | 75% | 66% |
| Step 4 | 4.5 VDC | 63% | 53% |
| Step 3 | 3.5 VDC | 51% | 41% |
| Step 2 | 2.5 VDC | 37% | 29% |
| Step 1 | 1.5 VDC | 23% | 17% |

FAO SETTINGS - Field Adjustable Output

| | 0-10 Voltage Dimmer | % Lumen Output (approximate) | % Wattage (approximate) |
|--------|------------------------|---------------------------------|----------------------------|
| Step 8 | Full Output | 100% | 100% |
| Step 7 | 9.0 VDC | 98% | 100% |
| Step 6 | 8.0 VDC | 88% | 86% |
| Step 5 | 7.0 VDC | 86% | 82% |
| Step 4 | 6.0 VDC | 82% | 80% |
| Step 3 | 5.0 VDC | 76% | 75% |
| Step 2 | 4.0 VDC | 71% | 72% |
| Step 1 | 3.0 VDC | 67% | 71% |

Simple adjustment of output through the use of a flat head screwdriver.

Emergency Battery Pack Options - Field Installable

| Battery Model Number | Wattage | Runtime (Minutes) | Lumen Output* @ 120 Lumens/Watt | Other | | | |
|-------------------------|---------|----------------------|------------------------------------|--|--|--|--|
| ILB CP07 2H A | 7W | 120 | 840 | Storm Shelter / 2 Hour Runtime | | | |
| ILB CP10 A | 10W | 90 | 1200 | | | | |
| ILBLP CP10 HE SD A | 10W | 90 | 1200 | Title 20, Self Diagnostic | | | |
| ILB CP10 HE AELR A | 10W | 90 | 1200 | Title 20; Enabled with Self Testing, Automated Reporting (STAR) | | | |
| ILBLP CP15 HE SD A | 15W | 90 | 1800 | Title 20, Self Diagnostic | | | |
| ILB CP20 HE A | 20W | 90 | 2400 | Title 20 | | | |
| ILB CP20 HE SD A | 20W | 90 | 2400 | Title 20, Self Diagnostic | | | |

All the above are UL Listed products that are certified for field install external/remote to the fixture. *Minimum delivered lumen output to assist in product selection for increased fixture mounting height. The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast. Please contact us at productsupportemergency@acuitybrands.com for any Emergency Battery related questions.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or $later firmware \ can \ provide \ normal \ power \ sensing \ for \ EM \ devices. \ See \ specification \ sheets \ for \ control$ devices and luminaires for more information on options that support normal power sensing.

BSE Labeling Options

- Drivers load transfer relay installed per manufacturer's instructions. Voltage, BGTD and BSE10 called out.
- One voltage fixture with driver load control relay supplied with one prewire (PWS BSF14 option). Prewire wired for normal circuit, the control relay for emergency circuit left unconnected. Voltage, BGTD, BSE14 and prewire called out, in the description.

Enabled with STAR

Emergency Lighting with Self-Testing Automated Reporting

(STAR), enables self-testing and automated reporting to aid in life safety code compliance. Build your solution and choose your preferred deployment from Mobile STAR, where test data is logged in each individual unit and broadcast to the ClAIRity™+ app, or Connected STAR, where test data is logged in the STAR Gateway by IOTA® and emailed directly.

Leave the ladders, disruptions and written records behind with emergency lighting solutions with STAR! Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:



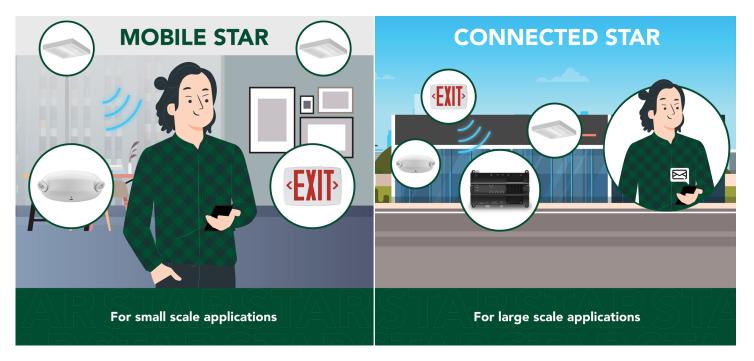
Testing for 30 seconds every 30 days



Testing for 90 minutes once a year



Record keeping and to report to the authority having local jurisdiction

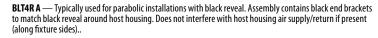


^{*}For configurations with Reloc or two voltages an RFA modification is required

Application Guide

BLT4R — Typically used for lensed troffer installations. Assembly contains white end brackets and is supplied with white trim strips for use in closing gaps down fixture sides (installer's choice - not required).

*Note: This kit will fit in Lithonia's Avante non-air fixture.









Performance You Can Count On

SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

Sensorswitch.com

Wired Embedded Controls

Wireless Embedded Controls



- 1. Install the luminaires with embedde
- 2. Install and wire the wall switch to power.
- 3. Connect load and 0-10 dimming wires from the wall switch to the luminaires.



SensorSwitch WSXA D

- Install the luminaires with embedde
- 2. Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.



SensorSwitch WSXA SSA

nLight Platform

| nLight embedded fixtures offer: | Customers get: | | | | | |
|---|--|--|--|--|--|--|
| Manual Dimming | Convenience and visual comfort for occupants | | | | | |
| Motion Sensing and/or Daylight Harvesting | Energy savings and code compliance | | | | | |
| Fixture or Group Level Control | Ability to configure lighting to the space requirements | | | | | |
| Flexibility | Ease of fixture moves, adds and changes | | | | | |
| Wireless Wall Switch (nLight AIR Only) | Ease and flexibility of placement | | | | | |
| Astronomical and Time of Day Scheduling | Energy savings and building security | | | | | |
| Scalable Solution | nLight controls to grow with your business | | | | | |
| Future-Ready | nLight platform to set foundation for future upgrades and capabilities | | | | | |



Single Lighting Controls Platform for Indoor & Oudoor Spaces

nLIGHT® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLIGHT also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLIGHTcontrols.com

Wired Embedded Controls

1. Install the luminaires with embedded controls 2. Install the nLight Wired wall switch. nLight nPODMA DX 3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other

Wireless Embedded Controls

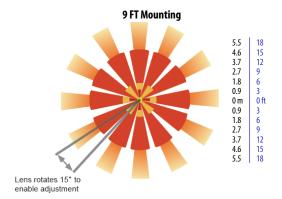


and work (plug and play).

| | Sensor Options | | | | | | | | | | | | |
|-------------|-------------------|----------|-----------|--------------|------------|--|--|--|--|--|--|--|--|
| 0-4: | Automatic | Occupano | y Sensing | nLight Wired | nLight AIR | | | | | | | | |
| Option | Dimming Photocell | PIR | PDT | Networking | Networking | | | | | | | | |
| MSD7ADCX | X | Х | | | | | | | | | | | |
| MSDPDT7ADCX | X | | Х | | | | | | | | | | |
| NES7 | | Х | | Х | | | | | | | | | |
| NES7ADCX | Х | Х | | Х | | | | | | | | | |
| NESPDT7 | | | Х | Х | | | | | | | | | |
| NESPDT7ADCX | Х | | Х | Х | | | | | | | | | |
| RES7 | X | Х | | | Х | | | | | | | | |
| RESPDT7 | Х | Х | Х | | Х | | | | | | | | |

Sensor Coverage Pattern Mini 360° Lens

- Recommended for walking motion detection from mounting heights between 8 ft (2.44 m) and 20 ft (6.10 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



Embedded Controls by Sensorswitch

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.

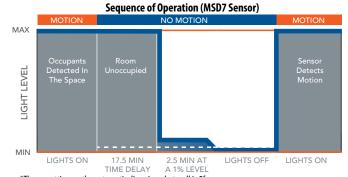
A luminaire with a wireless nLight sensor

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.

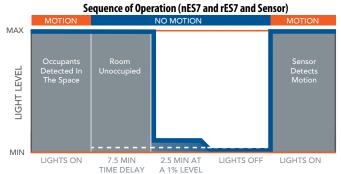
A luminaire with a wired sensor

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.



*The presetting on the automatic dimming photocell is 5fc.

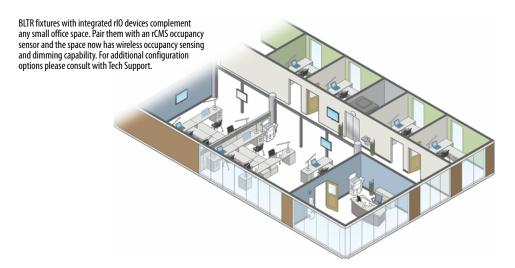


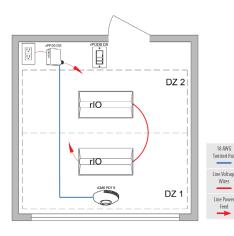
*The presetting on the automatic dimming photocell is 5fc (NES7) and 10fc (RES7).

Controls Accessories

nLight® Wired Control Accessories:Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight. **WallPod stations** Model number **Occupancy sensors** Model number 0n/0ff nPODMA [Color] Small motion 360°, ceiling (PIR / dual tech) nCM 9 RJB / nCM PDT 9 RJB On/Off & raise/lower nPODMA DX [Color] Large motion 360°, ceiling (PIR / dual tech) nCM10 RJB / nCM PDT 10 RJB Graphic touchscreen nPOD TOUCH [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 CAT5 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 On/Off two pole On/Off two pole On/Off & raise/lower single pole On/Off & raise/lower two pole On/Off & raise/lower two pole On/Off & repode report of catalogue report of cat





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

Notes

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



SensorSwitch WSX



nLight WIRED NPOD UNITOUCH



nLight WIRED nPODMA DX



nLight AIR rPODBA



BLTR with rIO



n î



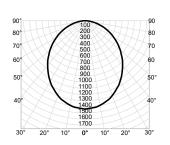
rPODBA

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PHOTOMETRICS

BLT4R 40L ADP LP840, 3975 delivered lumens

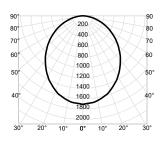
BLT4R 40L ADP LP840 Input Watts: 32.5, Delivered Lumens: 4142, LPW: 127.4, S/MH: 1.18, Test No: ISF 35685P179



| | CP nmary | Zonal L | Zonal Lumen Summary | | | | | Coefficients of Utilization | | | | | | | Cone of Light | | | Luminance (cd/sq.m) | | |
|-----|-------------|------------|---------------------|-----------|----------------|-----|------------|-----------------------------|-----|-------------------|-----|-----|------------|-----|--------------------|----------|------------------|------------------------|----------------------|--|
| | 0° | Zone | Lumens | % Fixture | ρf ρc ρw | | 80% 30% | 10% | 50% | 20% 70% 30% | | 50% | 50% 30% | 10% | Mounting Height | | Beam Diameter | ı | Average _uminance | |
| 0° | 1,437 | 0° - 30° | 1,115 | 27% | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 6.0 | 39.9 | 14.8 | 0° | 5,328 | |
| 5° | 1,421 | 0° - 40° | 1,815 | 44% | 1 | 104 | 99 | 95 | 101 | 97 | 94 | 97 | 94 | 91 | 8.0 | 22.5 | 19.8 | 45° | 4,447 | |
| 15° | 1,351 | 0° - 60° | 3,218 | 78% | 2 | 90 | 83 | 77 | 88 | 82 | 76 | 85 | 79 | 75 | 10.0 | 14.4 | 24.7 | 55° | 4,147 | |
| 25° | 1,218 | 0° - 90° | 4,142 | 100% | 3 | 79 | 71 | 64 | 77 | 70 | 63 | 74 | 68 | 62 | 12.0 | 10.0 | 29.7 | 65° | 3,789 | |
| 35° | 1,045 | 90° - 180° | 0 | 0% | 4 | 70 | 61 | 54 | 69 | 60 | 54 | 66 | 59 | 53 | 14.0 | 7.3 | 34.6 | 75° | 3,254 | |
| 45° | 848 | 0° - 180° | 4,142 | 100% | 5 | 62 | 53 | 47 | 61 | 53 | 46 | 59 | 52 | 46 | | | | 85° | 2,364 | |
| 55° | 641 | | | | 6 | 56 | 47 | 41 | 55 | 47 | 40 | 53 | 46 | 40 | Beam Ang | gle: 102 | 0° | | | |
| 65° | 432 | | | | 7 | 51 | 42 | 36 | 50 | 42 | 36 | 49 | 41 | 35 | Field Angl | e: 163. | 7° | | | |
| 75° | 227 | | | | 8 | 46 | 38 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | | | | | | |
| 85° | 56 | | | | 9 | 43 | 34 | 29 | 42 | 34 | 29 | 41 | 34 | 28 | | | | | | |
| 90° | 0 | | | | 10 | 39 | 31 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | | | | | | |

BLT4R 48L ADP LP840, 5148 delivered lumens

BLT4R 48L ADP LP840 Input Watts: 38.7, Delivered Lumens: 4922, LPW: 127.2, S/MH: 1.18, Test No: ISF 35685P195



| CP Summary | | Zonal Lumen Summary | | | Coefficients of Utilization | | | | | | | | | | Cone of Light | | | Luminance (cd/sq.m) | |
|---------------|-------|---------------------|--------|-----------|-----------------------------|-----|------------|-----|-----|-------------------|-----|-----|------------|-----|---------------------|---------------------------------|------------------|------------------------|----------------------|
| | 0° | Zone | Lumens | % Fixture | ρf ρc ρw | 50% | 80% 30% | | 50% | 20% 70% 30% | 10% | 50% | 50% 30% | 10% | Mounting Height | Initial FC Center Beam | Beam Diameter | | Average Luminance |
| 0° | 1,707 | 0° - 30° | 1,325 | 27% | 0 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | 6.0 | 47.4 | 14.8 | 0° | 6,330 |
| 5° | 1,689 | 0° - 40° | 2,157 | 44% | 1 | 104 | 99 | 95 | 101 | 97 | 94 | 97 | 94 | 91 | 8.0 | 26.7 | 19.8 | 45° | 5,284 |
| 15° | 1,605 | 0° - 60° | 3,823 | 78% | 2 | 90 | 83 | 77 | 88 | 82 | 76 | 85 | 79 | 75 | 10.0 | 17.1 | 24.7 | 55° | 4,927 |
| 25° | 1,447 | 0° - 90° | 4,922 | 100% | 3 | 79 | 71 | 64 | 77 | 70 | 63 | 74 | 68 | 62 | 12.0 | 11.9 | 29.7 | 65° | 4,502 |
| 35° | 1,242 | 90° - 180° | 0 | 0% | 4 | 70 | 61 | 54 | 69 | 60 | 54 | 66 | 59 | 53 | 14.0 | 8.7 | 34.6 | 75° | 3,866 |
| 45° | 1,008 | 0° - 180° | 4,922 | 100% | 5 | 62 | 53 | 47 | 61 | 53 | 46 | 59 | 52 | 46 | | | | 85° | 2,809 |
| 55° | 762 | | | | 6 | 56 | 47 | 41 | 55 | 47 | 40 | 53 | 46 | 40 | Beam Angle: 102.0° | | | | |
| 65° | 513 | | | | 7 | 51 | 42 | 36 | 50 | 42 | 36 | 49 | 41 | 35 | Field Angle: 163.7° | | | | |
| 75° | 270 | | | | 8 | 46 | 38 | 32 | 46 | 38 | 32 | 44 | 37 | 32 | | | | | |
| 85° | 66 | | | | 9 | 43 | 34 | 29 | 42 | 34 | 29 | 41 | 34 | 28 | | | | | |
| 90° | 0 | | | | 10 | 39 | 31 | 26 | 39 | 31 | 26 | 38 | 31 | 26 | | | | | |