

FEATURES & SPECIFICATIONS

INTENDED USE — The VT Series Volumetric LED Troffer (VTL/VTS) combines the aesthetics and high performance with intelligent LED engines for applications such as offices, schools, retail locations and hospitals. High-efficacy light engines deliver long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable. Multiple lumen packages and driver options provide solutions for all your lighting applications. Featured nLight control system provides design flexibility and ease of installation and optimum energy savings.

CONSTRUCTION — Rugged, one-piece cold-rolled steel coated polyester, painted after fabrication with embossed facets (VTL) or smooth (VTS) reflector surface. Impact-modified, single clear acrylic diffuser provides excellent shielding and wide distribution. End plates include integral T-bar clips. Fixture may be mounted and wired in continuous rows. Total fixture height is only 4-3/8". Driver is accessible from below the fixture, behind the diffuser and channel cover.

OPTICS — Volumetric illumination is achieved by creating an optimal mix of light to walls, partitions, vertical and horizontal work surfaces — rendering the interior space, objects and occupants in a more balanced, complementary luminous environment. Deep drawn reflector cavity softens and distributes light into the space while minimizing luminous contrast between the fixture and ceiling. Sloped end plates provide a smooth, luminous transition between fixture and ceiling while enhancing the perception of fixture depth. High-performance diffuser provides LED concealment, even illumination across the diffuser and improved lumen-per-watt performance.

Now available with two different aesthetics including the standard Acrylic Linear Prismatic Diffuser (ADP) and the Acrylic smooth (ADSM) diffuser. Both options are available with trim rings (ADSMT/ADPT).

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).

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, nLight AIR RIO, RES7 occupancy sensors, and photocontrols. Simply connect all the nLight enabled control devices and the VTL/VTS luminaires using standard Cat-5 cabling, or the nLight AIR wireless network. Unique plug-and-play convenience allows devices and luminaires to automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard 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.

Driver disconnect provided where required to comply with US and Canadian codes.

SENSOR — **Integrated sensor (individual control):** Sensor Switch MSD7ADXC (Passive infrared (PIR)) or MSDPDT7ADXC (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 2 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 2 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 microphonic (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 3 for more details on the Integrated Smart Sensor.

INSTALLATION — Unique grid interfacing arrangement provides mounting into standard 1" and 9/16" tee bar or screw slot grids. 9/16" allows fixture trim to hang level with architectural ceiling tiles. Drywall ceiling adaptors available. Suitable for damp location.

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 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 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. A generational electronics upgrade occurred in May 2019. The upgraded VT series LED troffer has a slight visual variation from previous generations.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

| |
|----------------|
| Catalog Number |
| Notes |
| Type |

VT Series Volumetric LED Troffer

2VTL4/2VTS4

2VTL4 ADP



2' x 4'
LED

2VTL4 ADPT



2VTS4 ADSM



Dimensions

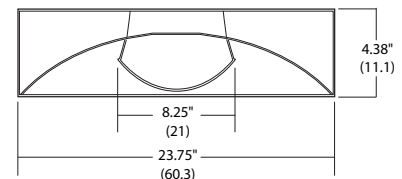
All dimensions are inches (centimeters) unless otherwise specified.

Specifications

Length: 47.75" (121.3)

Width: 23.75" (60.3)

Depth: 4.38" (11.1)



Embed nLight controls today. Prepare for tomorrow.

Now



User-friendly install



Enhanced energy savings



Code compliance

Tomorrow



Scalability



Space configuration



Future-ready

A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks when ordered with drivers marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: 2VTL4 40L ADPT EZ1 LP840 MSD7ADCX

| 2VTL4/2VTS4 | | | | | |
|----------------------------|----------------|--------------------------------|--|-----------------------|---|
| Series | Air function | Lumens ¹ | Diffuser | Voltage | Driver |
| 2VTL4 2X4 Ribbed Reflector | (blank) Static | 30L 3000 lumens | ADP Acrylic linear prismatic | (blank) MVOLT | EZ1 eldoLED dims to 1%, 0-10V |
| 2VTS4 2X4 Smooth Reflector | H Heat removal | 40L 4000 lumens | ADPT Acrylic linear prismatic with diffuser trim rings | 347 347V ³ | EZB eldoLED dims to 0.1%, 0-10V |
| | | 48L 4800 lumens | ADSM Acrylic Curved, smooth | | GZ1 Dims to 1% (0-10V dimming) ⁴ |
| | | 60L 6000 lumens | ADSMT Acrylic Curved, smooth with diffuser trim rings | | GZ10 Dims to 10% (0-10V dimming) ⁴ |
| | | 72L 7200 lumens | | | EDB eldoLED DALI ⁵ |
| | | 85L 8500 lumens | | | SLD Step-level dimming ⁵ |
| | | 100L 10000 lumens ² | | | |
| | | 120L 12000 lumens ² | | | |

| Color temperature | nLight Interface | Control | Options |
|---------------------|---|--|---|
| LP830 3000 K, 80CRI | nLight Wired | nLight Wired | BDP Disconnect Plug |
| LP835 3500 K, 80CRI | (blank) No nLight [®] interface | (blank) No nLight control | EL7L 700 lumen battery pack, Noncompliant with CA T20 |
| LP840 4000 K, 80CRI | N80 nLight [®] with 80% lumen management | NES7 nLight [®] nES 7 PIR integral occupancy sensor ^{8,9} | EL14L 1400 lumen battery pack, Noncompliant with CA T20 |
| LP850 5000 K, 80CRI | N80EMG nLight [®] with 80% lumen management. For use with generator supply EM power ⁶ | NESPD7 nLight [®] nES PDT 7 dual technology integral occupancy control ^{8,9} | E10WLCP EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS |
| LP930 3000 K, 90CRI | N100 nLight [®] without lumen management | NES7ADCX nLight [®] nES 7 ADCX PIR integral occupancy sensor with automatic dimming photocell ^{8,9} | BGTD Bodine Generator Transfer Device ^{10,11} |
| LP935 3500 K, 90CRI | N100EMG nLight [®] without lumen management. For use with generator supply EM power ⁶ | NESPD7ADCX nLight [®] nES PDT 7 dual technology integral occupancy sensor with automatic dimming photocell ^{8,9} | PWS1836 6' pre-wire 3/8" diameter, 18 gauge, 1 circuit |
| LP940 4000 K, 90CRI | nLight Wireless | nLight Wireless | PWS1846 6' pre-wire 3/8" diameter, 18 gauge, 2 circuit |
| LP950 5000 K, 90CRI | (blank) No nLight [®] interface | (blank) No nLight control | PWS1846 PWSLV Two cables: one 6' prewire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge |
| | NLTAIR2 nLight [®] Air Generation 2 enabled ^{7,8} | RES7 nLight AIR control with PIR integral occupancy sensor and automatic dimming photocell ^{7,8,12} | PWS1856LV 6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage wires |
| | | RES7PDT nLight AIR control with PDT dual technology integral occupancy sensor and automatic dimming photocell ^{7,8,12} | CP Chicago plenum ¹³ |
| | | RIO nLight [®] AIR radio module without sensor ^{7,8,12} | BAA Buy America(n) Act and/or Build America Buy America Qualified |
| | | RES7EM nLight AIR PIR integral occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ¹² | |
| | | RES7PDTEM nLight AIR microphonics dual technology occupancy sensor with automatic dimming photocell and UL924 Emergency Operation, via power interrupt detection ¹² | |
| | | RIOEM nLight AIR radio module less sensor, with UL924 Emergency Operation, via power interrupt detection ¹² | |
| | | Individual Control | |
| | | MSD7ADCX PIR integral occupancy sensor with automatic dimming control photocell ⁸ | |
| | | MSDPDT7ADCX PDT integral occupancy sensor with automatic dimming control photocell ⁸ | |

Notes

- 1 Approximate lumen output.

2 Not available with SLD, EL7L and EL14L.

3 Not available with SLD, EL7L, EL14L, or E10WLCP.

4 GZ1, GZ10 drivers not available with any Controls or sensor options.

5 Not available with N80, N80EMG, N100, or N100EMG, or NLTAIR2.

6 nLight EMG option requires a connection to existing nLight network. Power is provided from a separate N80 or N100 enabled fixture.

7 Must order with RES7, RES7PDT, or RIO sensor. Only available with EZ1/EZB driver. Not available with 72L, 85L, 100L and 120L.

8 Must specify ADPT diffuser. See sensor section on page 3.
- 9 Requires N80, N80EMG, N100, or N100EMG.

10 Not available with SLD.

11 Must specify voltage. Requires BSE labeling, voltage specific. Consult factory for options.

12 See UL 924 Sequence of Operation chart on page 4. 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.

13 Not available with N80, N80EMG, N100, N100EMG, PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV.

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

| | |
|---|---|
| Accessories: Order as separate catalog number. | |
| 2VT4 F916 | Trim to adjust fixture mounting flush with 9/16" T-bar; for 2x4 fixture |
| DGA24 FS/VT | Drywall ceiling adapter with trim kit |
| 2X4SMKSHP PAF | Surface Mount Troffer Kit Post Paint |
| RK8BDP 2P U | Disconnect Plug (BDP), 2 Pole, Package of 1 |
| RK8BDP 3P U | Disconnect Plug (BDP), 3 Pole, Package of 1 |
| RK8BDP 2P J10 | Disconnect Plug (BDP), 2 Pole, Package of 10 |
| RK8BDP 2P J40 | Disconnect Plug (BDP), 2 Pole, Package of 40 |

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 | |
| ILB CP10 HE AELR A | 10W | 90 | 1200 | Title 20; Enabled with Self Testing, Automated Reporting (STAR) |
| ILBLP CP10 HE SD A | 10W | 90 | 1200 | Title 20, Self Diagnostic |
| 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 924 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.
Delivered emergency illumination of CP10 models outperforms legacy 1400 lumen fluorescent emergency ballasts.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

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!**

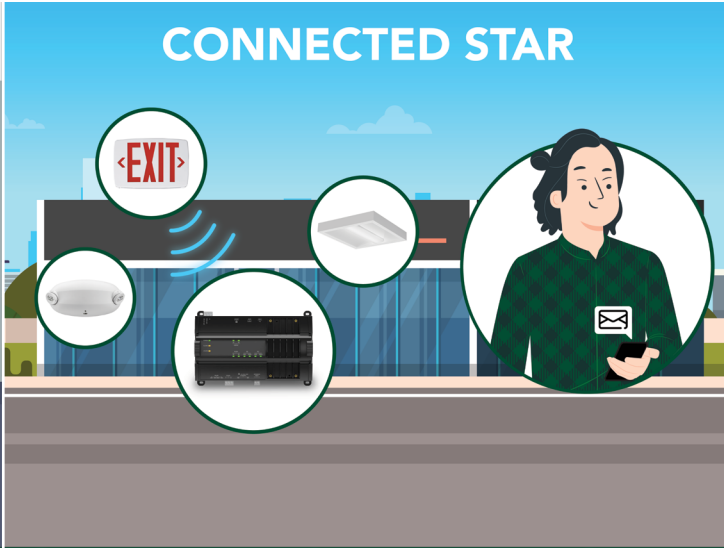
Life Safety Code NFPA 101 testing and reporting requirements for emergency lighting include:

-  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



MOBILE STAR

For small scale applications



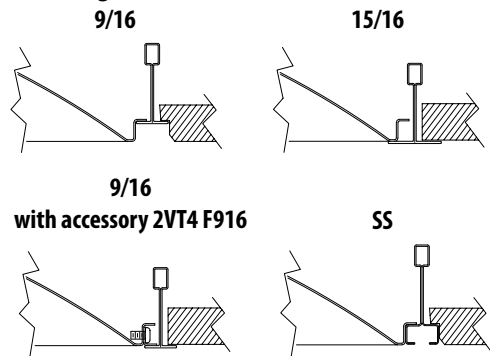
CONNECTED STAR

For large scale applications

| nLight® Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight . | | | |
|--|---------------------|--|----------------------------|
| WallPod stations | Model number | Occupancy sensors | Model number |
| On/Off | nPDM [color] | Small motion 360°, ceiling (PIR / dual tech) | nCM 9 RJB / nCM PDT 9 RJB |
| On/Off & raise/lower | nPDM 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 | 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 | 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 WHG2 |

Mounting data



UL924 Sequence of Operation

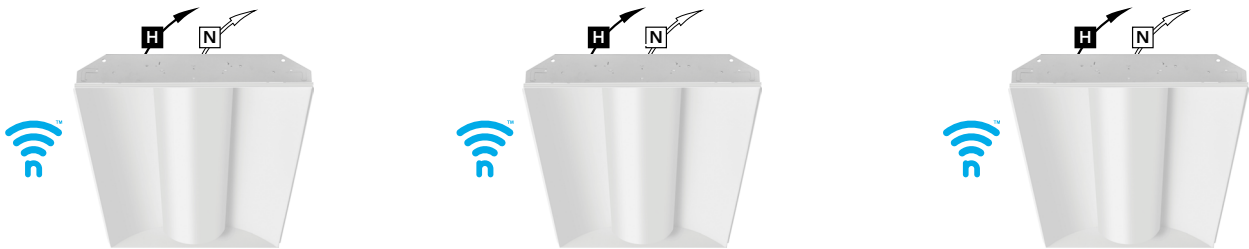
- The below information applies to all nLight AIR devices with an EM option.
- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
 - Using the CLAIRITY+ mobile app, EM devices 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.

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

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 |

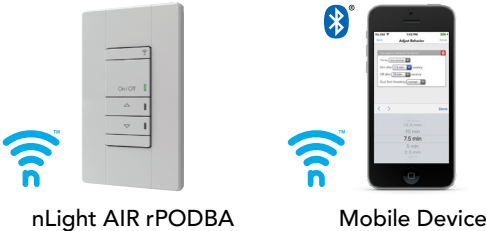
nLight Air Wireless



2VTL/2VTS 2X4 Series

Simple as 1,2,3

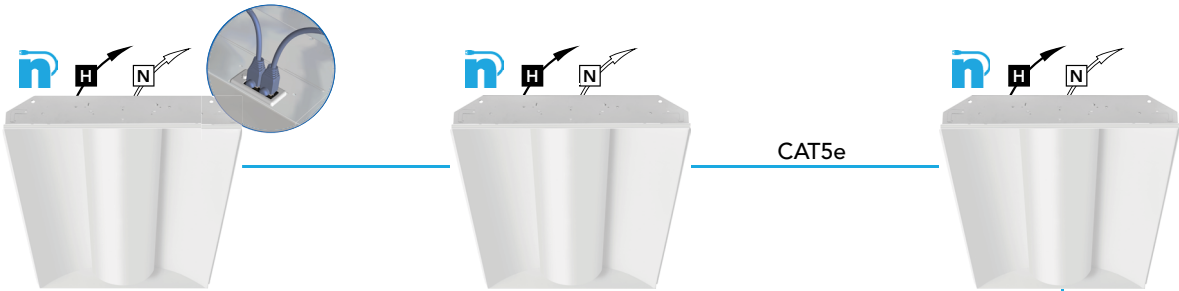
1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY+ app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



nLight AIR rPODBA

Mobile Device

nLight Wired Networking



2VTL/2VTS 2X4 Series

Simple as 1,2,3

1. Install the nLight® Wired fixtures with embedded control
2. Install the nLight Wired wall switch
3. Connect the fixtures using standard CAT5e cables and the devices will automatically discover each other and work (plug and play)



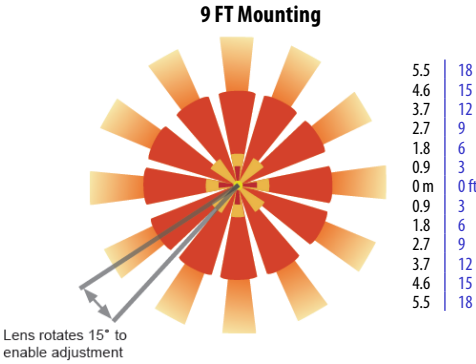
nLight Wired rPODMA

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

| Sensor Options | | | | | |
|----------------|-----------------------------|-------------------|-----|-------------------------|-----------------------|
| Option | Automatic Dimming Photocell | Occupancy Sensing | | nLight Wired Networking | nLight AIR Networking |
| | | PIR | PDT | | |
| MSD7ADCX | X | X | | | |
| MSDPDT7ADCX | X | | X | | |
| NES7 | | X | | X | |
| NES7ADCX | X | X | | X | |
| NESPD7 | | | X | X | |
| NESPD7ADCX | X | | X | X | |
| RES7 | X | X | | | X |
| RESPD7 | X | X | X | | X |

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



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.

nLight AIR Wireless

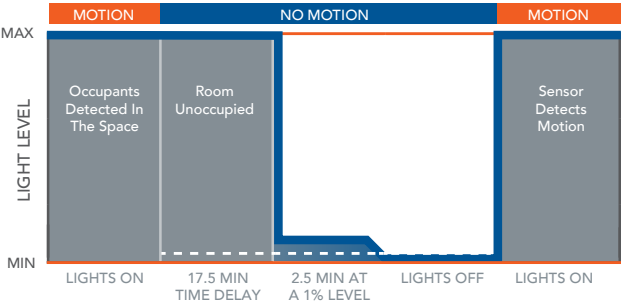
nLight AIR is the ideal solution for retrofit or new construction spaces where adding additional wiring can be labor intensive and nLight AIR is available with or without an integral sensor. The integrated rES7 or rES7PDT smart sensors are part of each luminaire in the nLight AIR network, which can be 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.

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.

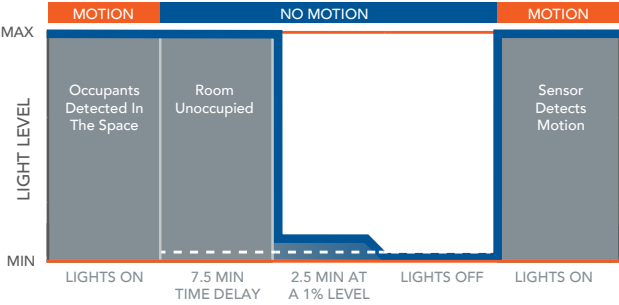
For areas like restrooms, private offices, open offices, conference rooms or any space with obstructions, the nES PDT 7 dual technology sensor is recommended. The nES PDT 7 utilizes both PIR (passive infrared) and Microphonics technologies to detect occupancy. Additionally, the nESPD7ADCX includes an integrated photocell, which enables daylight harvesting controls which is ideal for areas where windows are present.

Sequence of Operation (MSD7 Sensor)



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

Sequence of Operation (nES7 and rES7 and Sensor)



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

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

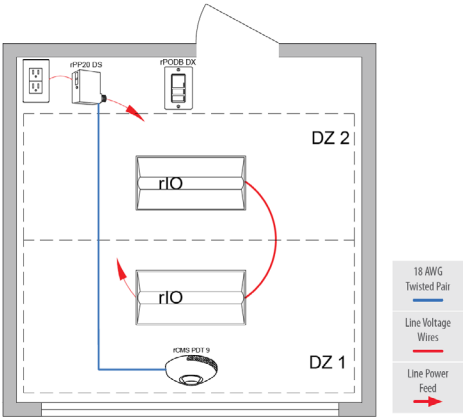
Controls Accessories

| nLight® Wired Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight . | | | |
|--|---------------------|--|----------------------------|
| WallPod stations | Model number | Occupancy sensors | Model number |
| On/Off | 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 | CATS 10FT J1 |
| | | 30' cable | CATS 30FT J1 |

VTL fixtures with integrated rIO devices complement any small office space. Pair them with an rCMS occupancy sensor and the space now has wireless occupancy sensing and dimming capability. For additional configuration options please consult with Tech Support.



| nLight® AIR Control Accessories: Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair . | |
|--|-------------------------|
| Wall switches | Model number |
| On/Off single pole | rPODBA [color] G2 |
| On/Off two pole | rPODB A2P [color] G2 |
| On/Off & raise/lower single pole | rPODBA DX [color] G2 |
| On/Off & raise/lower two pole | rPODBA 2P DX [color] G2 |



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

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



Sensor Switch
WSXA D



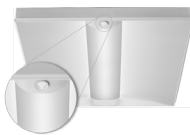
nLight WIRED
NPOD UNITOUCH



nLight WIRED
nPODMA DX



nLight AIR
rPODBA



VTL with rIO



rPODBA

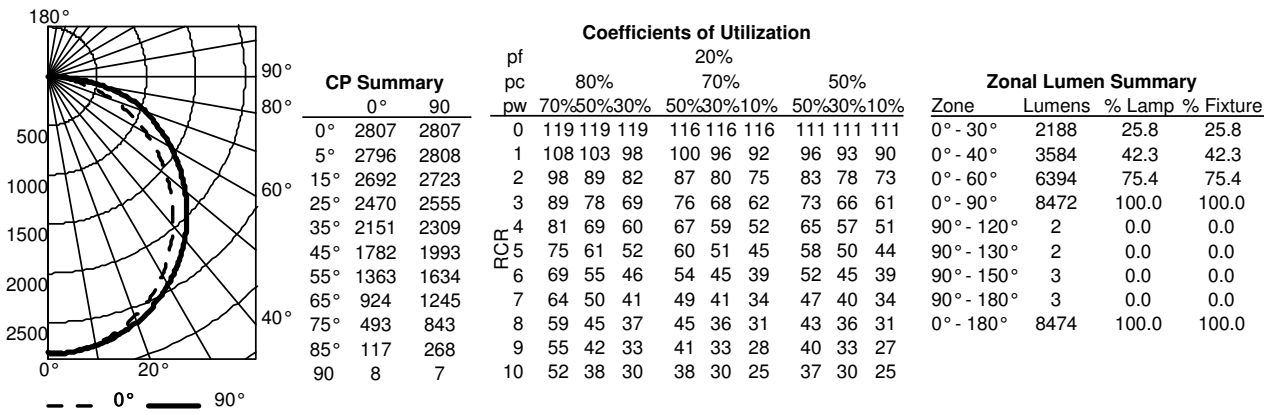


RCMS

2VTL/2VTS Volumetric Recessed Lighting 2'x4'

PHOTOMETRICS

2VTL4 85L ADP LP835, 8475 delivered lumens.



2VTL/2VTS Volumetric Recessed Lighting 2'x4'

| Performance Data | | | |
|------------------|--------|--------------------------|-----|
| Lumen Package | Lumens | Input Watts ² | LPW |
| 30L ADP LP830 | 3224 | 23.2 | 139 |
| 30L ADP LP835 | 3280 | 23.2 | 141 |
| 30L ADP LP840 | 3335 | 23.2 | 144 |
| 30L ADP LP850 | 3335 | 23.2 | 144 |
| 30L ADP LP930 | 2668 | 23.2 | 115 |
| 30L ADP LP935 | 2780 | 23.2 | 120 |
| 30L ADP LP940 | 2835 | 23.2 | 122 |
| 30L ADP LP950 | 2835 | 23.2 | 122 |
| 40L ADP LP830 | 4138 | 31.4 | 132 |
| 40L ADP LP835 | 4210 | 31.4 | 134 |
| 40L ADP LP840 | 4281 | 31.4 | 137 |
| 40L ADP LP850 | 4281 | 31.4 | 137 |
| 40L ADP LP930 | 3425 | 31.4 | 109 |
| 40L ADP LP935 | 3568 | 31.4 | 114 |
| 40L ADP LP940 | 3639 | 31.4 | 116 |
| 40L ADP LP950 | 3639 | 31.4 | 116 |
| 48L ADP LP830 | 5149 | 38.4 | 134 |
| 48L ADP LP835 | 5238 | 38.4 | 136 |
| 48L ADP LP840 | 5326 | 38.4 | 139 |
| 48L ADP LP850 | 5326 | 38.4 | 139 |
| 48L ADP LP930 | 4261 | 38.4 | 111 |
| 48L ADP LP935 | 4439 | 38.4 | 116 |
| 48L ADP LP940 | 4528 | 38.4 | 118 |
| 48L ADP LP950 | 4528 | 38.4 | 118 |
| 60L ADP LP830 | 6194 | 47.7 | 130 |
| 60L ADP LP835 | 6301 | 47.7 | 132 |
| 60L ADP LP840 | 6407 | 47.7 | 134 |
| 60L ADP LP850 | 6407 | 47.7 | 134 |
| 60L ADP LP930 | 5126 | 47.7 | 107 |
| 60L ADP LP935 | 5340 | 47.7 | 112 |
| 60L ADP LP940 | 5446 | 47.7 | 114 |
| 60L ADP LP950 | 5446 | 47.7 | 114 |
| 72L ADP LP830 | 7316 | 59.0 | 124 |
| 72L ADP LP835 | 7442 | 59.0 | 126 |
| 72L ADP LP840 | 7568 | 59.0 | 128 |
| 72L ADP LP850 | 7568 | 59.0 | 128 |
| 72L ADP LP930 | 6055 | 59.0 | 103 |
| 72L ADP LP935 | 6307 | 59.0 | 107 |
| 72L ADP LP940 | 6433 | 59.0 | 109 |
| 72L ADP LP950 | 6433 | 59.0 | 109 |
| 85L ADP LP830 | 8331 | 67.7 | 123 |
| 85L ADP LP835 | 8475 | 67.7 | 125 |
| 85L ADP LP840 | 8618 | 67.7 | 127 |
| 85L ADP LP850 | 8618 | 67.7 | 127 |
| 85L ADP LP930 | 6895 | 67.7 | 102 |
| 85L ADP LP935 | 7182 | 67.7 | 106 |
| 85L ADP LP940 | 7326 | 67.7 | 108 |
| 85L ADP LP950 | 7326 | 67.7 | 108 |
| 100L ADP LP830 | 10153 | 82.2 | 123 |
| 100L ADP LP835 | 10328 | 82.2 | 126 |
| 100L ADP LP840 | 10503 | 82.2 | 128 |
| 100L ADP LP850 | 10503 | 82.2 | 128 |
| 100L ADP LP930 | 8402 | 82.2 | 102 |
| 100L ADP LP935 | 8752 | 82.2 | 106 |
| 100L ADP LP940 | 8928 | 82.2 | 109 |
| 100L ADP LP950 | 8928 | 82.2 | 109 |
| 120L ADP LP830 | 12543 | 98.1 | 128 |
| 120L ADP LP835 | 12760 | 98.1 | 130 |
| 120L ADP LP840 | 12976 | 98.1 | 132 |
| 120L ADP LP850 | 12976 | 98.1 | 132 |
| 120L ADP LP930 | 10381 | 98.1 | 106 |
| 120L ADP LP935 | 10813 | 98.1 | 110 |
| 120L ADP LP940 | 11029 | 98.1 | 112 |
| 120L ADP LP950 | 11029 | 98.1 | 112 |

Note: Based on ADP diffuser

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 P x LPW

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

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet. LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.