

FEATURES & SPECIFICATIONS

INTENDED USE — The VT Series Volumetric LED Troffer (VTL) combines the aesthetics and high performance with intelligent LED engines for applications - offices, schools, retail locations and hospitals. High-efficacy light engine delivers 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 controls 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. 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".

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. Linear faceted 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.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

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 it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the VTLED luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires 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.

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.

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

VT LED

VT Series Volumetric LED Troffer



2VTL

2' x 2'
LED

eldoLED



INDUSTRY RECOGNITION/AWARDS



LISTINGS — CSA Certified to meet U.S. and Canadian standards. IC rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

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

Example: 2VTL2 33L ADP EZ1 LP835 N100

| 2VTL2 | | | ADP | | | | | |
|---------------|----------------------------------|---|------------------------------|---------------------------------------|---|--|---|---|
| Series | Air function | Lumens | Diffuser | Voltage | Driver ³ | Color temperature | Controls ⁵ | Options |
| 2VTL2 2X2 VTL | (blank) Static H Heat removal | 20L 2000 ¹ 33L 3300 ¹ 40L 4000 ¹ | ADP Acrylic linear prismatic | (blank) MVOLT 347 347 ² | EZ1 eldoLED dims to 1% (0-10 volt dimming) EZB eldoLED dims to black (0-10 volt dimming) EDB eldoLED DALI ⁴ EXB eldoLED DMX/RDM ⁴ SLD Step-level dimming ⁴ EXA1 Dims to 1%, XPoint wireless enabled ⁵ EXAB Dims to dark, XPoint wireless enabled ⁵ | LP830 82CRI, 3000 K LP835 82CRI, 3500 K LP840 82CRI, 4000 K LP850 82CRI, 5000 K | (blank) No controls N80 nlight® with 80% lumen management N80EMG 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 | EL7L 700 lumen battery pack EL14L 1400 lumen battery pack CP Chicago plenum |

| Performance Data | | | |
|------------------|-------------|--------------------------|-----------|
| Lumen Package | Lumens | Input Watts ³ | LPW |
| 20L | 2000 - 2400 | 20 | 100 - 117 |
| 33L | 3350 - 3900 | 34.5 | 98 - 113 |
| 40L | 3900 - 4550 | 41.5 | 95 - 109 |

| Accessories: Order as separate catalog number. | |
|--|---|
| 2VT2 F916 | Trim to adjust fixture mounting flush with 9/16" T-bar; for 2x2 fixture |
| DGA22 | Drywall ceiling adaptor, unit installation ⁷ |

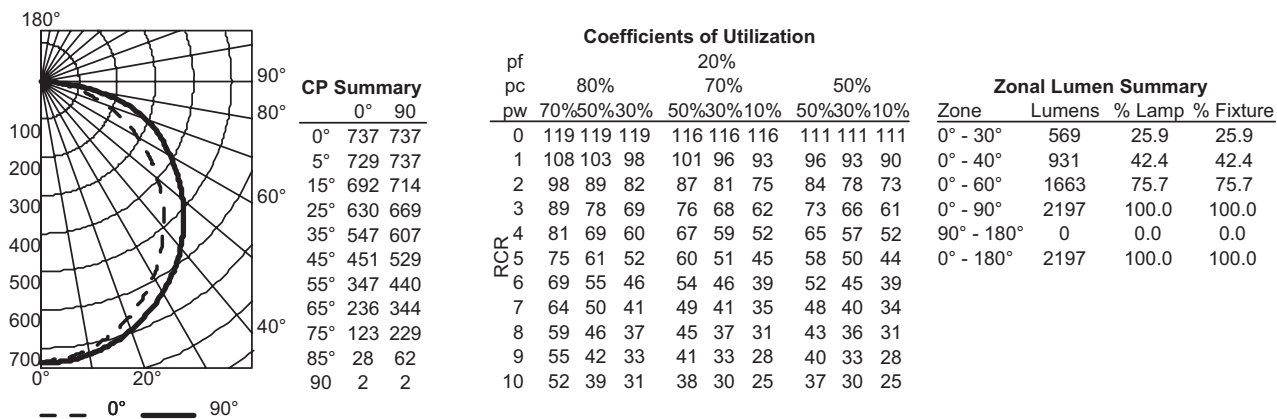
Notes

- 1 Approximate lumen output.
- 2 Consult factory for availability. Not available with SLD, EL7L or EL14 battery packs.
- 3 Actual wattage may differ by +/- 5% when operating between 120-277V +/- 10%.
- 4 Not available with N80, N80EMG, N100 or N100EMG.
- 5 Gateway not included. Requires on-site commissioning. Visit www.lightingcontrols.com/XPointWireless for more information.
- 6 n10 access limitations with 20L or EZB.
- 7 When DGA kits are used, order 2VT2 F916 accessory.

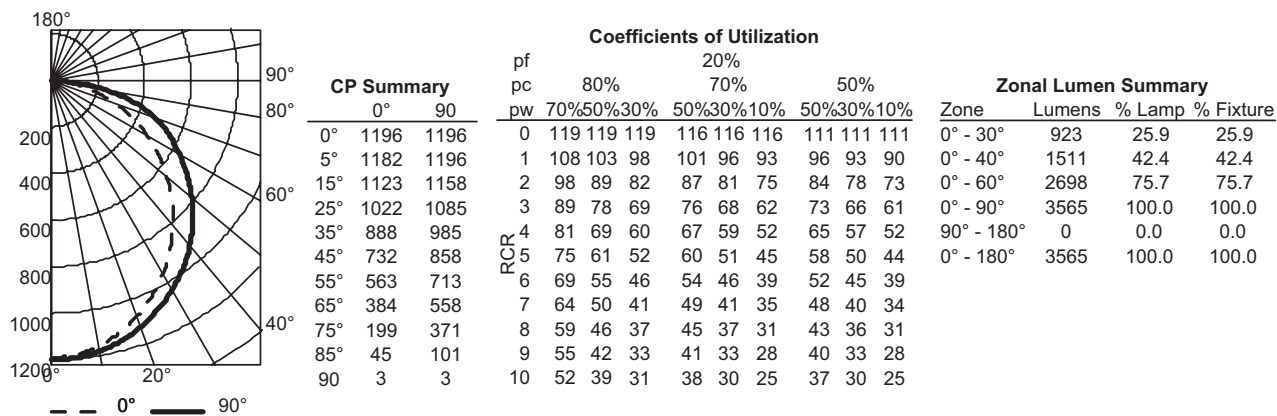
2VTL Volumetric Recessed Lighting 2'x2'

PHOTOMETRICS

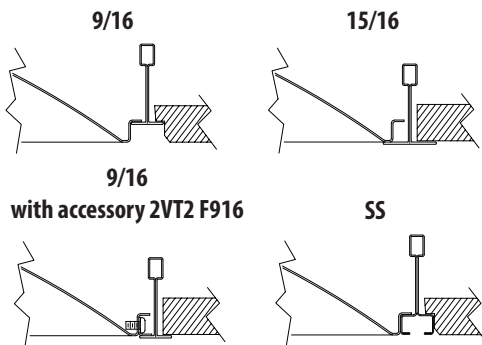
2VTL2 20L ADP LP835, 2196 delivered lumens, test no. LTL24790P, tested in accordance to IESNA LM-79



2VTL2 33L ADP L835, 3564 delivered lumens, test no. LTL24790P4, tested in accordance to IESNA LM-79



Mounting Data



nLight® Control Accessories:

Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

WallPod stations

On/Off
On/Off & Raise/Lower
Graphic Touchscreen

Photocell controls

On/Off & Dimming

Model number

nPODM [color]
nPODM DX [color]
nPOD GFX
nCM ADCX

Occupancy sensors

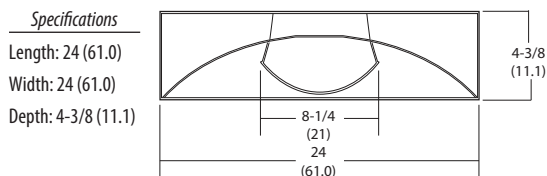
Small motion 360°, ceiling (PIR / dual tech)
Large motion 360°, ceiling (PIR / dual tech)
Wall switch with raise/lower
Cat-5 cable bundles (plenum rated)
10', 15 pieces per bundle
30', 15 pieces per bundle

Model number

nCM 9 / nCM PDT 9
nCM 10 / nCM PDT 10
nWSXPDTLVDX
CAT5 10FT
CAT5 30FT

Dimensions

All dimensions are inches (centimeters) unless otherwise specified.



Constant Lumen Management

Enabled by the embedded nLight control, the VTLED 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.

