

FEATURES & SPECIFICATIONS

INTENDED USE — The VT Series LED Series Volumetric Surface Mount 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. 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. Smooth hemmed side and smooth inward-formed end flanges, for easy handling. Total fixture height is only 4-3/4".

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

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).

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.

eldoLED drivers EZ1 and EZB deliver full-range dimming from 0-10V control signal.

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

INSTALLATION — Surface mount. Suitable for damp location.

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

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. 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 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

VT Series LED

2VTLX

2' x 4'
LED



eldoLED

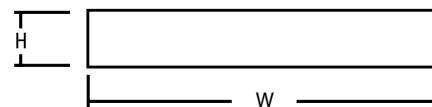


Specifications

Length: 48-3/4 (123.8)

Width: 24-3/4 (62.9)

Height: 4-3/4 (12.1)



All dimensions are in inches (centimeters) unless otherwise indicated.

INDUSTRY RECOGNITION/AWARDS



CSA+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

2VTLX 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: 2VTLX4 48L ADP EZ1 LP835

2VTLX4		ADP		Voltage		Driver		Color temperature		Controls		Options																			
Series	Lumens	Diffuser																													
2VTLX4 Volumetric LED	30L 3000 ¹	ADP Acrylic linear prismatic	(blank)	MVOLT	EZ1 eldoLED Dims to 1%	LP830	82 CRI, 3000 K	(blank)	No controls	BDP	Disconnect Plug																				
	40L 4000 ¹											EZB eldoLED Dims to Black	LP835	82 CRI, 3500 K,	N80	nlight with 80% lumen management. ⁵															
	48L 4800 ¹																GZ1 Dims to 1% (0-10V dimming) ³	LP840	82 CRI, 4000 K	N80EMG	nlight with 80% lumen management. For use with generator supply EM power. ⁵										
	60L 6000 ¹																					GZ10 Dims to 10% (0-10V dimming) ³	LP850	82 CRI, 5000 K	N100	nlight without lumen management. ⁵					
	72L 7200 ¹																										EDB eldoLED DALI ⁴	LP930	90 CRI, 3000 K	N100EMG	nlight without lumen management. For use with generator supply EM power. ⁵
	SLD Step-level dimming ⁴	LP940	90 CRI, 4000 K																												
					LP950	90 CRI, 5000 K																									

Accessories: Order as separate catalog number.

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

Notes

- 1 Approximate lumen output.
- 2 Not available with SLD driver.
- 3 GZ1, GZ10 Drivers not available with any Controls options.
- 4 Not available with N80, N80EMG, N100, N100EMG.
- 5 Consider CAT5 access when specifying.

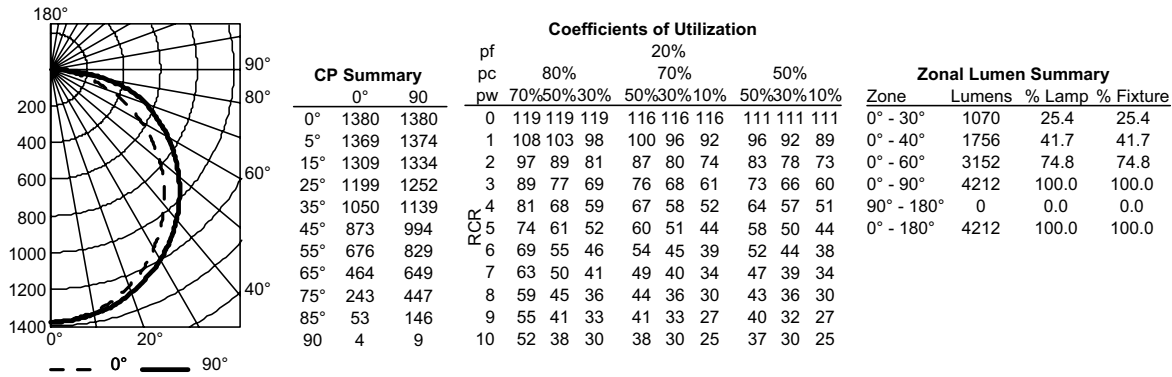
Performance Data

Lumen Package	Lumens	Input watts	LPW
30L	3150 - 3650	31	103 - 118
40L	4000 - 4600	39	102 - 117
48L	4600 - 5350	47	99 - 114
60L	5050 - 6250	52	97 - 119
72L	6750 - 7800	70	98 - 111

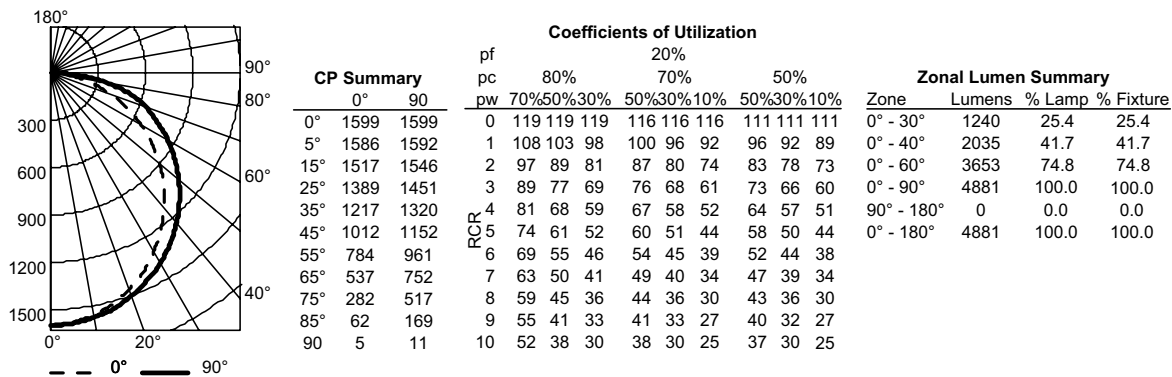
2VTLX Volumetric Recessed Lighting 2'x4'

PHOTOMETRICS

2VTLX4 40L LP835, 4,210 delivered lumens, test no. LTL24782P24, tested in accordance to IESNA LM-79

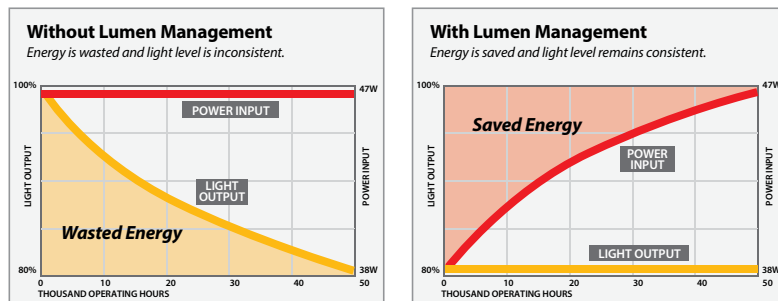


2VTLX4 48L LP835, 4,879 delivered lumens, test no. LTL24782P28, tested in accordance to IESNA LM-79



Constant Lumen Management

Enabled by the embedded nLight control, the VTLX 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.



Notes

- 1 With nLight 80% lumen management input watts start at 38 and gradually increasing to 47 at 50,000 hrs when using 48L system.

MOUNTING DATA

