

FEATURES & SPECIFICATIONS

INTENDED USE — The RT series surface mount combines digital LED lighting and controls technologies with patented high-performance optical design to offer the most advanced luminaire for general-ambient lighting applications. High-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting installation that is highly efficient and sustainable.

CONSTRUCTION — Rugged, one-piece cold-rolled steel reflector assembly with embossed facets. Coated polyester powder-paint after fabrication.

Rigid structure with ballast box and end plates. Housing formed from cold-rolled steel. Housing is painted after fabrication for superior finish.

Smooth hemmed sides and smooth inward-formed end flanges for easy handling.

OPTICS — Volumetric illumination is delivered 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.

Light distribution is carefully controlled at high angles, providing just enough luminous flux to create the volumetric effect.

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.

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).

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 RTLX 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.

Note, access to plenum required for CAT-5 wiring.

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

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

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

INSTALLATION — Maintenance: LED boards include plug-in connectors for easy replacement or servicing.

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.

Tested to LM80 standards.

Protected by one or more of US Patent Nos. 7,229,192; D541,467; D541,468; D544,633; D544,634; D544,992. D544,933 and additional patents pending.

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

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



eldoLED



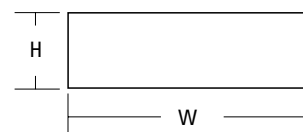
Specifications

Length: 48 (121.9)

Width: 12-1/4 (31.1)

Depth: 4-3/4 (12.1)

All dimensions are inches (centimeters) unless otherwise specified.



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

RTLX Volumetric Surface Lighting 1'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: RTLX4 40L EZ1 LP835

RTLX4						
Series		Lumens ¹	Voltage	Driver	Color temperature	Controls
RTLX4 Surface 1X4 LED	20L	2000	(blank) MVOLT (120 - 277V)	EZ1 eldoLED dims to 1% (0-10 volt dimming)	LP830 3000 K, 82 CRI	(blank) No controls
	30L	3000	347 347V ²	EZB eldoLED dims to black (0-10 volt dimming)	LP835 3500 K, 82 CRI	N80 nLight with 80% lumen management ⁵
	40L	4000		EDB eldoLED DALI ³	LP840 4000 K, 82 CRI	N80EMG nLight with 80% lumen management for use with generator supply EM power ⁵
	48L	4800		EXB eldoLED DMX/RDM ³	LP850 5000 K, 82 CRI	N100 nLight without lumen management ⁵
	60L	6000		SLD Step-level dimming ³		N100EMG nLight without lumen management for use with generator supply EM power ⁵
				EXA1 Dims to 1%, XPoint wireless enabled ^{3,4}		
				EXAB Dims to dark, XPoint wireless enabled ^{3,4}		
						EL7L 700 lumen battery pack ⁶
						EL14L 1400 lumen battery pack ⁶

Notes

- 1 Approximate lumen output.
- 2 Not available with EL battery packs or SLD driver.
- 3 Not available with N80, N80EMG, N100 or N100EMG.
- 4 Gateway not included. Requires on-site commissioning. Visit www.lightingcontrols.com/XPointWireless for more information.
- 5 Consider CAT5 access when specifying.
- 6 Not available with 60L option.

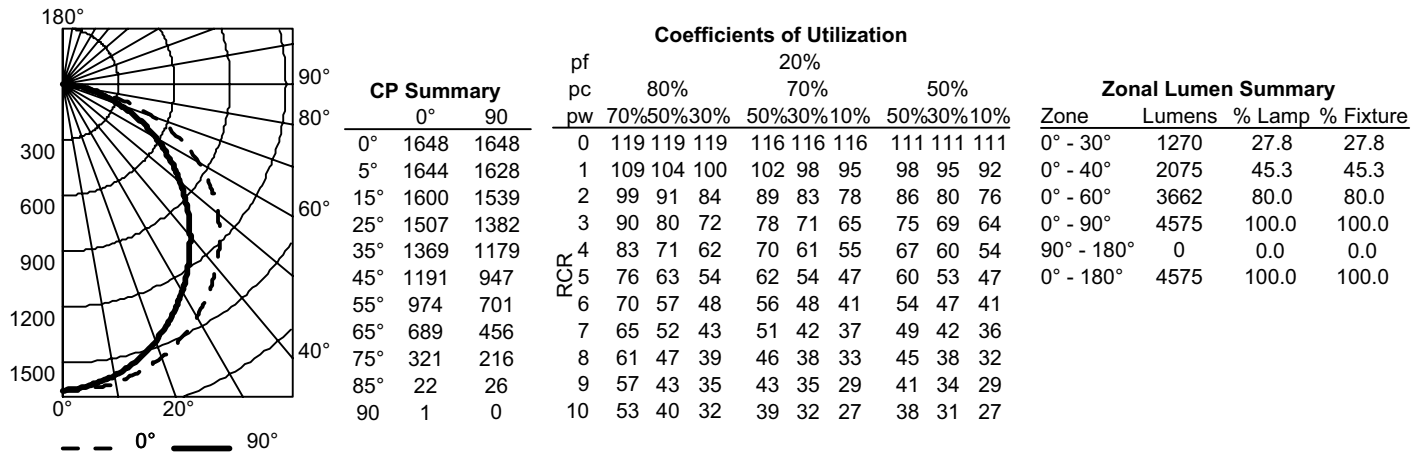
Performance Data

Lumen Package	Lumens	Input Watts	LPW
20L LP830	1,875.8	21	89.32
20L LP835	1,969.6	21	93.79
20L LP840	2,063.4	21	98.26
20L LP850	2,095.3	21	99.78
30L LP830	2,644.9	29	91.20
30L LP835	2,776.2	29	95.73
30L LP840	2,907.5	29	100.26
30L LP850	2,963.8	29	102.20
40L LP830	3,372.7	41	82.26
40L LP835	3,541.5	41	86.38
40L LP840	3,717.9	41	90.68
40L LP850	3,798.5	41	92.65
48L LP830	4,351.9	47	92.59
48L LP835	4,575.1	47	97.34
48L LP840	4,802.1	47	102.17
48L LP850	4,858.2	47	103.37
60L LP830	4,959.7	55	90.18
60L LP835	5,207.3	55	94.68
60L LP840	5,458.6	55	99.25
60L LP850	5,552.4	55	100.95

RTLX Volumetric Surface Lighting 1'x4'

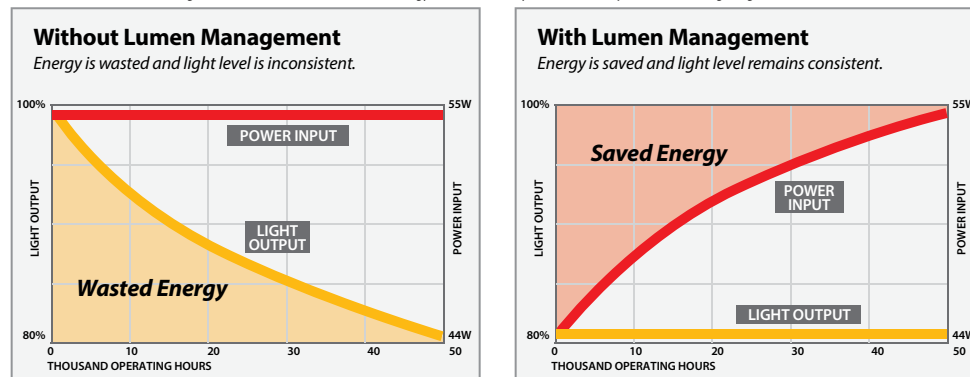
PHOTOMETRICS

RTLX4 48L EZ1 LP835, 4,575 delivered lumens, test no. 2865P13, tested in accordance to IESNA LM-79.



Constant Lumen Management

Enabled by the embedded nLight control, the RTLX 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.



Note

1 With nlight 80% lumen management input watts start at 44W and gradually increasing to 55W at 50,000 hrs.