

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The RTLX 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, steel reflector with embossed facets. Painted after fabrication. Door hinges from either side. Housing formed from cold-rolled steel. Plasma seam welded corners provide a clean finish and eliminate light leaks.

Impact-modified acrylic prismatic refractor.

**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.

Regressed refractor system obscures and integrates individual LED images and uniformly washes the reflector cavity with light.

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. RTLX is rated to deliver L80 performance for 50,000 hours. nLight® embedded controls available makes each luminaire addressable - allowing it to digitally communicate with other nLight enabled control devices and RTLX luminaires using standard CAT-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self commission. Note, access to plenum required for CAT-5 wiring.

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.

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

LED AccuDrive™ driver delivers full-range dimming from 0-10V control signal.

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

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source such that constant lumen output is maintained over the system life, thus preventing the energy waste created by the traditional practice of over-lighting.

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

**LISTING** — CSA Certified to meet U.S. and Canadian standards.

DLC Certified. 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.

Catalog Number
Notes
Type



# 2RTLX2



2' X 2'  
LED Surface



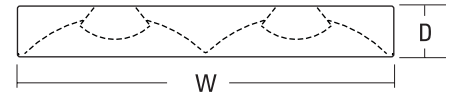
### Specifications

Length: 24 (61.0)

Width: 24-1/4 (61.6)

Depth: 3-1/2 (8.2)

All dimensions are inches (centimeters) unless otherwise indicated.



**WARRANTY** — Five-year warranty coverage of luminaires includes fixture construction, LED light engine, driver and nLight control device. Terms and conditions apply.

Note: Specifications subject to change without notice.

### ORDERING INFORMATION

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

**Example:** 2RTLX2 32L D38 LP835 NX

2RTLX2		Lumens <sup>1</sup>		Voltage		Driver watts <sup>3</sup>	Lamp	Controls		
2RTLX2	Surface 2X2 LED	32L	3200 lumens	(blank)	MVOLT (120 - 277V)	D38	LP830	82 CRI, 3000 Kelvin <sup>4</sup>	NX	Dimming control, no nLight
				347	347 <sup>2</sup>	D26	LP835	82 CRI, 3500 Kelvin	BLD	Bi-level dimming
		22L	2200 lumens				LP840	82 CRI, 4000 Kelvin	N80	Dimming control with nLight with 80% (L80) lumen management <sup>5</sup>
							LP850	82 CRI, 5000 Kelvin <sup>4</sup>	N80EMG	Dimming control with nLight with 80% (L80) lumen management for use with generator EM power <sup>5</sup>
								N100	Dimming control with nLight without lumen management <sup>5</sup>	
								N100EMG	Dimming control with nLight without lumen management for use with generator EM power <sup>5</sup>	

### Notes

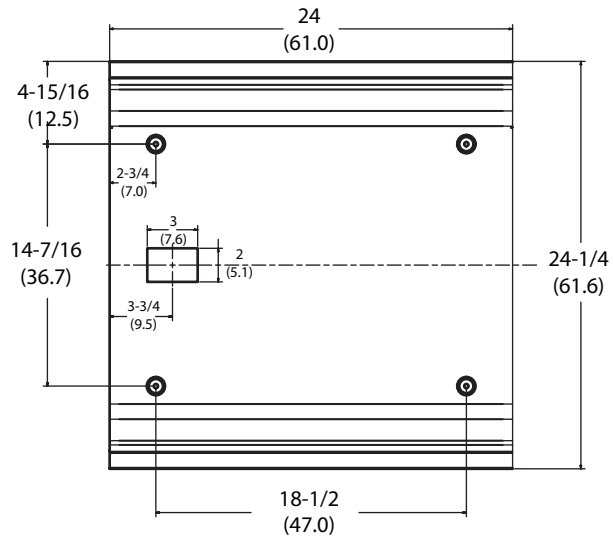
1. Approximate lumen output.
2. Not available with BLD controls.
3. Approximate input power (watts) +/-5%.
4. Consult Lithonia agent for lead time.
5. Consider CAT5 access when specifying.

# 2RTLX2 Volumetric Surface Lighting 2'x2'

## MOUNTING DATA

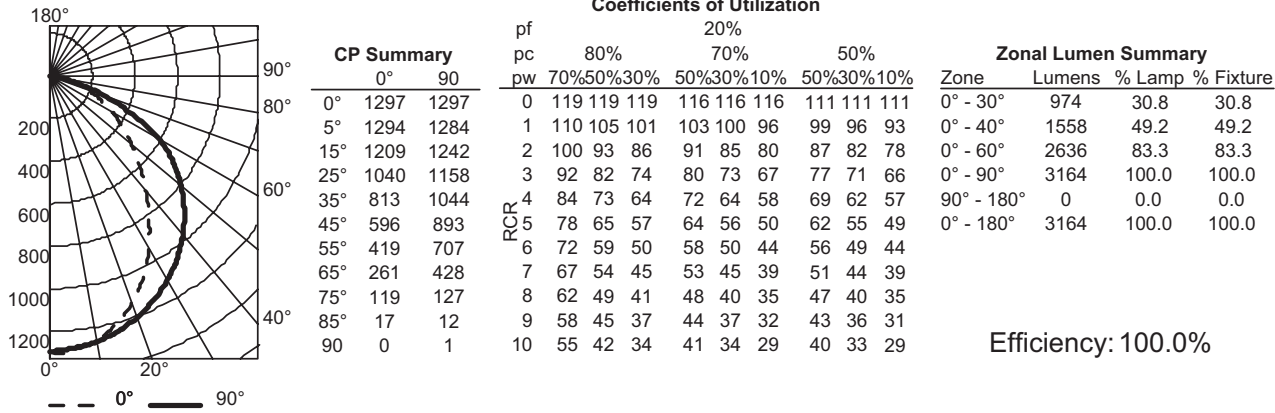
For unit or row installation. Surface or stem mounting.

UNIT/ROW INSTALLATION — When stem mounting, four stems are recommended per fixture.

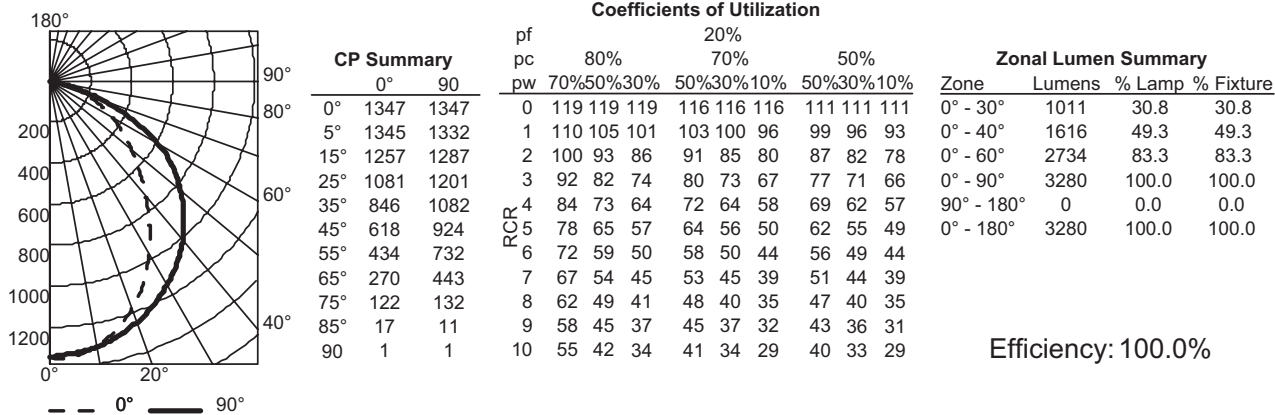


## PHOTOMETRICS

2RTLX2 32L D38 LP835, 3,164 delivered lumens, test no. LTL 20222, tested in accordance to IESNA LM-79.



2RTLX2 32L D38 LP840, 3,280 delivered lumens, test no. LTL 20221, tested in accordance to IESNA LM-79.



Note: For 2200 lumen system consult factory.



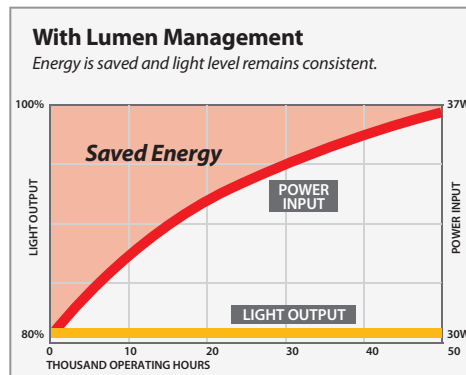
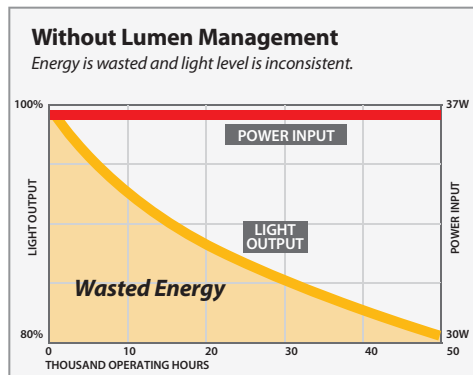
2RTLX-2X2

# 2RTLX2 Volumetric Surface Lighting 2'x2'

T5/T8 Energy Comparison to LED				
System	Lamp Type	Ballast Factor	Input Watts	Watts saved by using LED
LED-N100	LED	1.0	37.5	--
LED-80'	LED	1.0	30	--
Two-lamp T8	F32T8U	0.88	58	20.5
Two-lamp T5	F24T5HO	1.0	54	16.5

## Constant Lumen Management

Enabled by the embedded nLight control, the RTLED 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 30 and gradually increasing to 37.5 at 50,000 hrs.