

## FEATURES & SPECIFICATIONS

### INTENDED USE

The RTLED 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. End plates include integral T-bar clips.

Impact-modified acrylic prismatic refractor with polymer light-diffusing film.

Luminaires may be mounted end-to-end and continuously wired.

### 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 two-piece 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. RTLED is rated to deliver L80 performance for 50,000 hours.

Standard nLight™ embedded controls continuously monitor system performance, allow for constant lumen management / compensation function, facilitate simple “plug-and-play” network and controls upgrading via Cat-5 cable.

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

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

### INSTALLATION

Drivers and internal components accessed via plenum. Driver tray may be removed from fixture during service.

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

Suitable for direct insulation contact.

Catalog Number
Notes
Type



Volumetric Lighting

# 2RTLED



2' X 4'  
LED

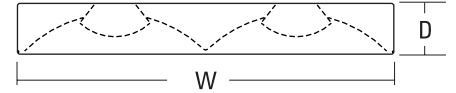
### Specifications

Length: 48 (121.9)

Width: 24 (61.0)

Depth: 3-1/8 (7.9)

All dimensions are inches (centimeters).



### LISTING

CSA Certified to meet U.S. and Canadian 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

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

**ORDERING INFORMATION** For shortest lead times, configure products using **bolded options**.

**Example:** 2RTLED 4600L D50 LP835 N80

2RTLED	4600L		D50	LP835	
Series	Lamp type	Voltage	Driver	Lamp	Control
<b>2RTLED</b> Recessed 2X4 LED	<b>4600L</b> <sup>1</sup>	(blank) MVOLT (120 - 277V)	<b>D50</b> 50W <sup>2</sup>	<b>LP835</b> 82 CRI, 3500 Kelvin	N80 nLight with 80% (L80) lumen management N100 nLight without lumen management

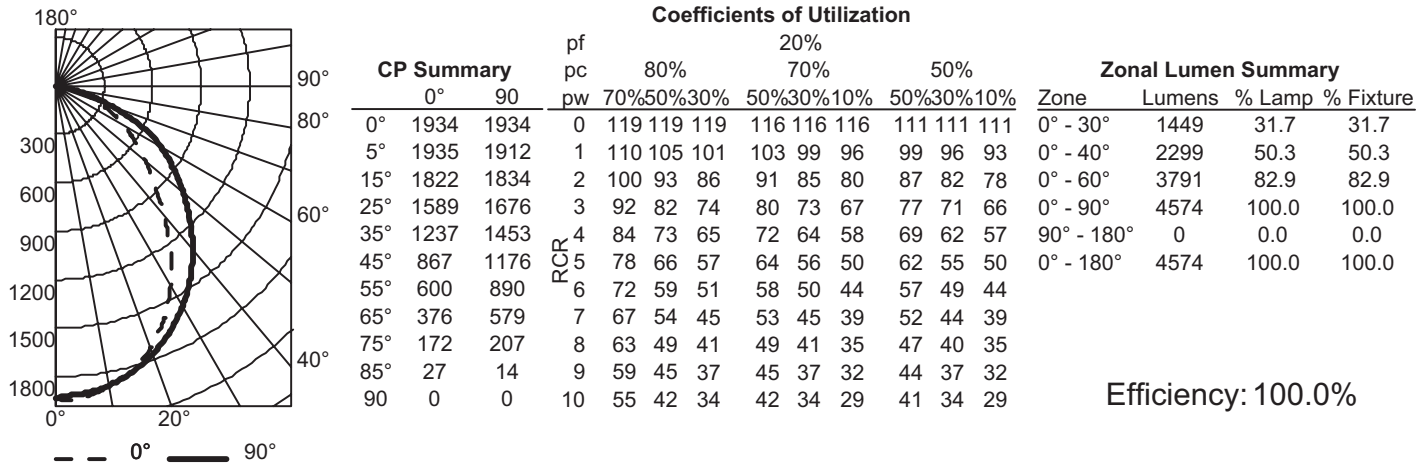
### Notes

- 1 Approximate lumen output.
- 2 Approximate input power (watts).

# 2RTLLED Volumetric Recessed Lighting 2'x4'

## PHOTOMETRICS

2RTLLED 4600L LP835, 4,574 delivered lumens, test no. LTL19341, tested in accordance to IESNA LM-79.



LED Energy Comparison to T5/T8				
System	Lamp type	Ballast factor	Input watts	Watts saved by using LED
LED-N100	LED	1.0	50	--
LED-N80'	LED	1.0	40	--
Two-lamp T8	F32T8U	0.88	55	5
Two-lamp T5	F28T5H0	1.0	58	8

### Notes

- 1 With night 80% lumen management input watts start at 40 and gradually increasing to 50 at 50,000 hrs.