

## FEATURES & SPECIFICATIONS

### INTENDED USE

The RT5N linear aesthetic compliments corridors, classrooms, offices and retail spaces with a distinctive line of light. Effectively delivers uniform lighting distribution and allows wide spacing and low energy density. Available for individual or continuous row mounting. The RT5N is equal to the RT5 at .725W/sf.

### OPTICAL SYSTEM

Delivers volumetric lighting by filling the entire volume of space with light. Provides the ideal amount to walls, cubicles, work surfaces and people.

Fixture's luminous characteristics carefully manage high-angle light at just enough intensity to deliver volumetric lighting effect to space.

Highly efficient optical design delivers LER of more than 80 lumens per watt, 67% more than traditional 6" aperture T8 lensed fixtures, which have LER of 48.

Refractive system obscures and softens the lamp image and smoothly washes the space with light.

Drop-lens design provide small amount of uplight to wash ceiling, minimizing fixture-to-ceiling luminance ratio.

Luminous reveal and end caps provide floating appearance for the refractor.

### CONSTRUCTION

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

Rigid, 20-gauge, cold-rolled steel housing. Polyester powder paint after fabrication.

Fixtures are designed for end-to-end mounting with continuous wireway.

### ELECTRICAL SYSTEM

Highly efficient program-start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rated A. If supplied with listed optional lamps, lamps are TCLP compliant and 85 CRI.

0.95 ballast factor standard for typical applications. 1.15 ballast factor available for higher ceiling applications. One-lamp configuration requires 1.0 ballast factor.

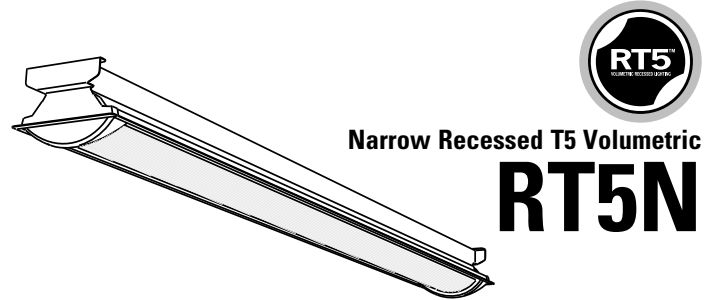
Step-dimming ballasts for two-lamp F28 T5 ease compliance with common energy codes by allowing two-level switching for 50% power reduction.

S5 multi-level dimming option available for use with SIMPLY5™ lighting intelligence system. See SYNERGY Controls specification sheets for more information.

### MAINTENANCE

Squeeze refractor to release from retention tabs for lamp access.

Catalog Number	
Notes	Type



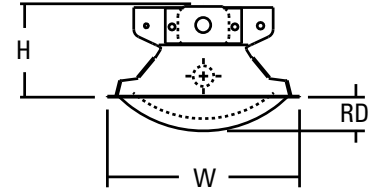
Narrow Recessed T5 Volumetric

# RT5N

1- or 2-Lamp T5

**SIMPLY5™**  
LIGHTING INTELLIGENCE

Specifications	
Height:	2-7/8 (73)
Refractor Depth:	1 (26)
Width:	5-7/8 (149)



### LISTING

UL Listed to US and Canadian safety standards. Optional: Mexico NOM.

### WARRANTY

Fixture guaranteed for one year against mechanical defects in manufacturing. Lamp and ballast system warranty (24 months for lamp; 60 months for ballast) by lamp and ballast manufacturers.

Protected by one or more of US patent numbers: 7,229,192; D54,467; D54,468; D544, 33; D544,634; D544,992; D544,993; D545,48; US D545,482; D545,483; D545,991; D545,992; D545,993 and additional patents pending.

All dimensions are inches (millimeters). Specifications subject to change without notice.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: TRT5N 1 28T5 MVOLT GEB95 LPM835P

Series	Number of lamps	Lamp type <sup>2</sup>	Voltage	Ballast	Options
<b>RT5N 4' narrow recessed volumetric T5</b>	1 <sup>1</sup> 2	<b>28T5 28W T5 (46")</b>	<b>MVOLT<sup>3</sup></b> 347 <sup>4</sup>		<b>LPM835P Lamped with premium 3500°K, TCLP-compliant lamp</b>
<b>TRT5N 8' narrow recessed volumetric T5</b>				<b>GEB95 0.95 ballast factor<sup>5</sup></b> GEB95S 0.95 ballast factor, step level dimming <sup>5</sup>	LPM830P Lamped with premium 3000°K, TCLP-compliant lamp
				<b>GEB10PS 1.0 ballast factor</b> GEB115 1.15 ballast factor <sup>5</sup> GEB115S 1.15 ballast factor step level dimming <sup>5</sup>	LPM841P Lamped with premium 4100°K, TCLP-compliant lamp
				<b>S5 0.95 ballast factor SIMPLY5™ system ballast for 2 28T5<sup>5,6</sup></b>	GLR Internal fast-blow fuse <sup>7</sup>
					EL14 Emergency battery pack <sup>8</sup>
					HW Hardwire for SIMPLY5 system; replaces RELOC <sup>®</sup>
					PLR_ Plug-in branch circuit wiring for continuous row applications <sup>9</sup>
					CSA CSA Certified <sup>10</sup>
					NOM NOM Certified

#### Notes:

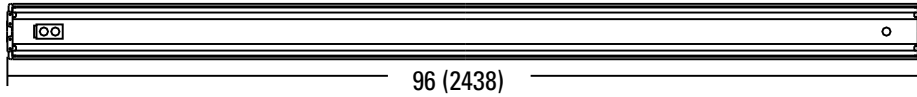
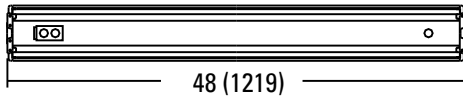
- 1 RT5N 1 28T5 is available with GEB10PS ballast only. Extended lead times may apply.
- 2 Ships with lamps. Please specify in Options.
- 3 MVOLT (120-277 volts), 50-60HZ.
- 4 Only available with GEB10PS and GEB95S.
- 5 Available with two-lamp 28T5 or tandem one-lamp 28T5.
- 6 SIMPLY5 includes 13' S5 SSC RELOC<sup>®</sup> wiring system, specify voltage unless HW (hardwire or PWS) is ordered.
- 7 Must specify voltage, 120 or 277.
- 8 See PS1400QD spec sheet for lumen output information.
- 9 Specify number of hot leads. (Switch-dim ballasts require two hot leads.)
- 10 Required for 347V only.

# RT5N Volumetric Recessed Lighting, Narrow Aperture

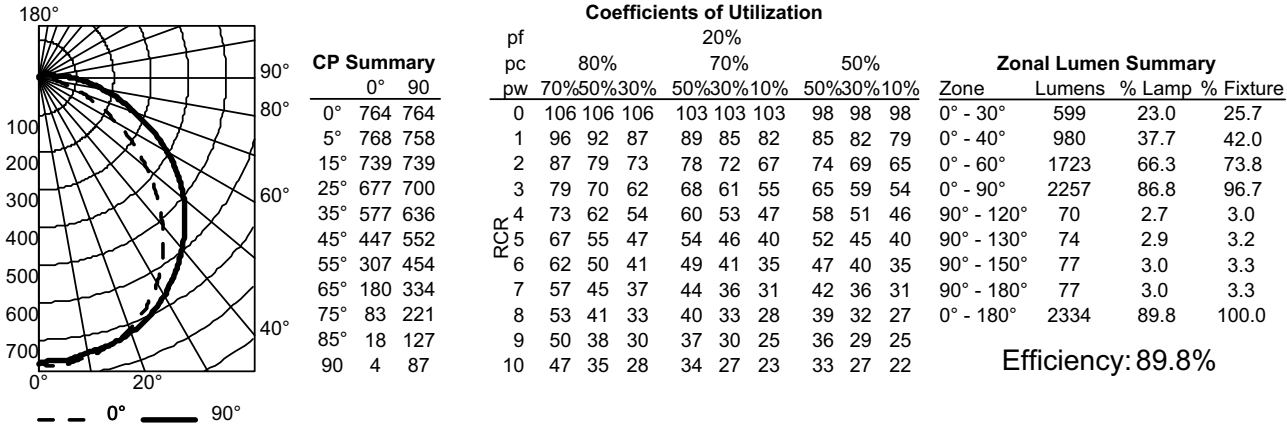
## DIMENSIONS

Inches (millimeters). Subject to change without notice.

Wireway or continuous row on top and cover plates supplied standard.

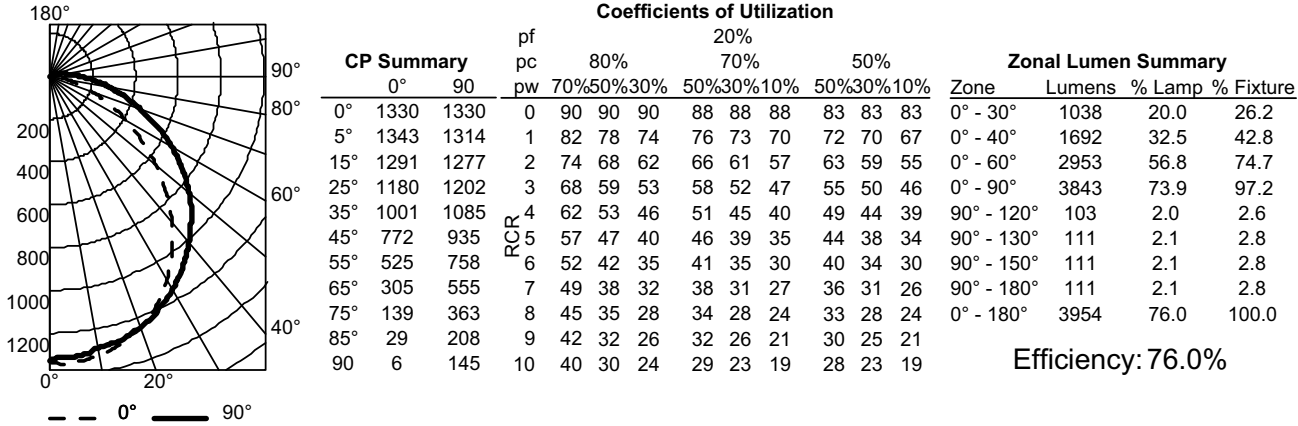


### RT5N 1 28T5, 2730 lumens per lamp, test no. LTL 15040



LER = 80 lumens per watt (TRT5N 1 28T5 GEB10PS at 277V)

### RT5N 2 28T5, 2730 lumens per lamp, test no. LTL 15039



LER = 68 lumens per watt (RT5N 2 28T5 GEB95 at 277V)

These photometric reports are based on IES testing procedures, as stated in LM-41-1998. The reported lumen ratings are based on lamp manufacturer's published lumen output for the lamp cold spot temperature measured during lamp calibration. Performance is indicative of stated lamp and ballast combination only.

Energy (Calculated in accordance with NEMA standard LE-5)

ORDERING INFORMATION	LER, FL	ANNUAL ENERGY COST*	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	INPUT WATTS
TRT5N 1 28T5 MVOLT GEB95	80.3	\$2.99	FP28T5PM/835/ECO	2730	.95	58
RT5N 2 28T5 MVOLT GEB95	68.0	\$3.53	FP28T5PM/835/ECO	2730	.95	58

\* Comparative yearly lighting energy cost per 1000 lumens

