

## FEATURES & SPECIFICATIONS

**INTENDED USE** —The 2VT8RT Relight assembly is the ideal solution for renovating obsolete and inefficient lensed troffers, delivering improved quality of light and refreshing the space. VTR volumetric lighting eliminates the “cave effect” by delivering the ideal amount of light to walls, work surfaces, and people. The 2VT8RT Relight assembly is recommended for offices, schools, hospitals, and other general lighting applications where existing 2x2 lensed troffers are currently in use.

**CONSTRUCTION** —End bracket bases and lampholder brackets are constructed of 20-gauge powder-painted steel. End bracket bases are painted white to match existing lensed troffer doorframe surrounds, and a white side trim kit is included to cover old troffer gaps. The one-piece reflector is die-formed aluminum finished in either highly reflective 92% white powder paint (standard) or in 95% specular anodized finish (HE option). The doorframe / external reflector assembly is vaulted cold-rolled steel with embossed facets and is painted after fabrication. Impact-modified, single clear acrylic diffuser provides excellent shielding and wide distribution.

**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. Vaulted reflector cavity with linear facets 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** — Standard ballast is high-efficiency, CEE (Consortium for Energy Efficiency) qualified, instant start, <10% THD, universal voltage and sound rated A. Suggested lamps are high-lumen, long-life super T8 lamps which contribute to optimizing system performance. Optional program start and step-dim bi-level ballasts are available as well as several ballast factor options to maximize energy savings and to allow the amount of light to be balanced to the application.

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

**INSTALLATION** — End bracket bases (painted white to match lensed troffer finish) are secured to the host fixture with provided tek screws. The pre-wired electrical module is mounted to the host fixture channel with included self-tapping tek screws. The lampholder assemblies are pre-wired to the ballast and simply snap into position on the end brackets. Optimum lamp position relative to aperture is consistently maintained by the positive snap-fit installation. The ballast assembly wires to the supply voltage using a driver-disconnect plug system provided as standard. (A wiring connection cover is provided for use if required.) The one-piece highly efficient reflector slides into place and is secured without tools using integral tabs.

The unitized reflector / refractor doorframe assembly attaches firmly to the end bracket via a reliable sliding hinge and is secured in the closed position with a rotating cam latch. The doorframe and reflector assembly is cold-rolled steel with embossed facets and is painted after fabrication. Impact-modified, single clear acrylic diffuser provides excellent shielding and wide distribution.

UL/cUL listing of the host fixture is not affected.

Suitable for damp location installations.

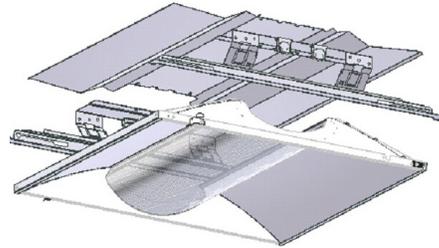
Catalog Number
Notes
Type

**VT SERIES**  
**RELIGHT**

Volumetric Troffer

# 2VT8RT

2' x 2' Relight  
T8



### Specifications

*Intended to be installed in most existing lensed troffer recessed fixtures (T-grid installation).*

**LISTINGS** — UL / cUL Classified. Labeled for use in static fixtures. Installation of 2VT8RT does not impact existing fixture UL listing. NYC approved (#49192).

**WARRANTY** — 1-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

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.

Note: Specifications subject to change without notice.

### ORDERING INFORMATION

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

**Example:** 2VT8RT 2 17 ADP BINP

Series	Number of lamps	Lamp type	Diffuser	Voltage	Ballast	Options
2VT8RT Recessed 2x2 T8 relight assembly <sup>1</sup>	1 2 3	17 17W T8 (24")	ADP Acrylic linear prismatic	(blank) MVOLT 347 347V	BINP IS, high efficiency, .88 bf (normal) BILP IS, high efficiency, .78 bf (low) BIHP IS, high efficiency, .1.20 bf (high) BPNP PS, high efficiency, .88 bf (normal) BPLP PS, high efficiency, .78 bf (low) BPHP PS, high efficiency, .1.20 bf (high) BSNP PS, step dimming, high efficiency, .88 bf (normal)	JP24 Job packaging - 24 kits HE Enhanced efficiency specular reflector

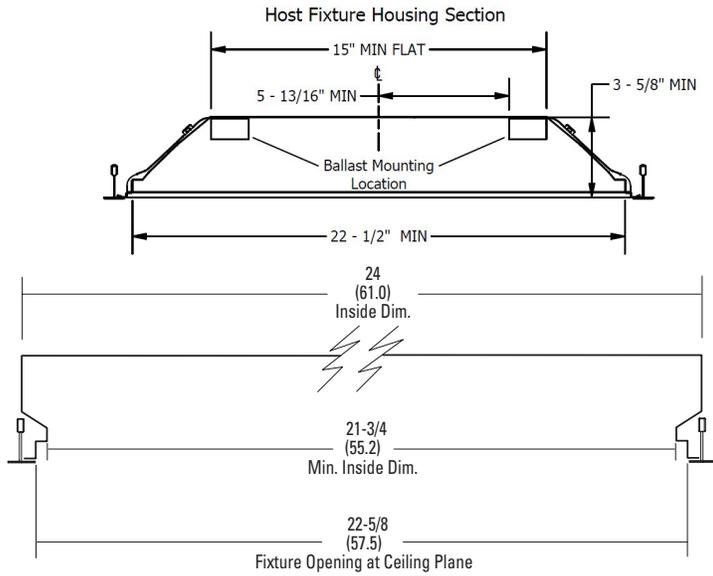
### Notes

- White end brackets for installation in lensed troffers.

# 2VT8RT Volumetric Recessed T8 Lighting, 2'x2'

## FIT COMPATIBILITY

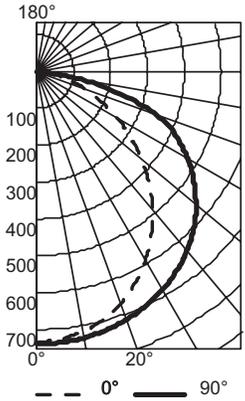
Relight assemblies are designed to fit most recessed fixtures mounted in T-grid installations. For surface mounted fixtures or for fixtures mounted in ceiling types other than T-grids, consult factory before ordering. Dimensional requirements are below but Lithonia Lighting recommends a trial installation prior to purchasing project quantities.



Dimensions are inches (centimeters).

## PHOTOMETRICS

2VT8RT 217 ADP, (2) 17W T8 lamps, 1450 lumens per lamp, test no. LTL21661



### CP Summary

	0°	90°
0°	736	736
5°	728	738
15°	696	726
25°	632	701
35°	541	660
45°	431	602
55°	310	520
65°	193	418
75°	91	232
85°	16	32
90°	0	0

### Coefficients of Utilization

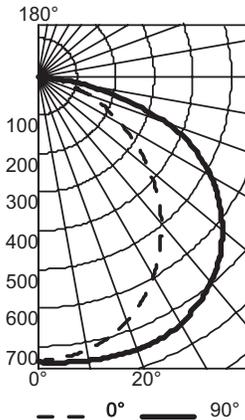
pc	pw	20%									
		80%			70%			50%			
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
0	92	92	92	90	90	90	86	86	86		
1	84	80	77	79	75	73	75	73	70		
2	76	70	64	68	63	59	65	61	58		
3	69	61	54	60	54	49	57	52	48		
4	63	54	47	53	46	41	51	45	41		
5	58	48	41	47	40	35	45	39	35		
6	54	43	36	42	36	31	41	35	30		
7	50	39	32	38	32	27	37	31	27		
8	46	35	29	35	28	24	34	28	24		
9	43	32	26	32	26	22	31	25	21		
10	40	30	24	30	24	20	29	23	19		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	580	20.0	25.7
0° - 40°	958	33.0	42.5
0° - 60°	1732	59.7	76.9
0° - 90°	2251	77.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2251	77.6	100.0

Efficiency: 77.6%

2VT8RT 217 ADP HE, (2) 17W T8 lamps, 1450 lumens per lamp, test no. LTL22438



### CP Summary

	0°	90°
0°	740	740
5°	732	744
15°	701	751
25°	639	750
35°	548	721
45°	437	664
55°	312	572
65°	192	448
75°	90	234
85°	15	30
90°	0	0

### Coefficients of Utilization

pc	pw	20%									
		80%			70%			50%			
		70%	50%	30%	50%	30%	10%	50%	30%	10%	
0	98	98	98	95	95	95	91	91	91		
1	89	85	81	83	80	77	80	77	74		
2	81	74	68	72	67	62	69	65	61		
3	73	64	57	63	57	51	60	55	50		
4	67	57	49	56	49	43	53	47	43		
5	61	50	43	49	42	37	48	41	37		
6	56	45	38	44	37	32	43	37	32		
7	52	41	34	40	33	28	39	33	28		
8	49	37	30	37	30	25	36	29	25		
9	45	34	27	34	27	23	33	27	22		
10	42	31	25	31	25	20	30	24	20		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	598	20.6	25.1
0° - 40°	999	34.5	42.0
0° - 60°	1830	63.1	76.9
0° - 90°	2380	82.1	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2380	82.1	100.0

Efficiency: 82.1%