

FEATURES & SPECIFICATIONS

INTENDED USE — 2RT5 Center Air Slots (CAS) is designed for effective air removal from a space. The CAS is extremely energy efficient and delivers the comfortable volumetric light that you have come to expect from the standard RT5 offering. Ideal for offices, schools or any commercial application that requires volumetric lighting and air removal. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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

Luminous characteristics are carefully managed at high angles to deliver just enough intensity to deliver the volumetric effect.

Regressed, two-piece refractive system obscures and softens the lamp and smoothly washes the reflector with light.

Linear faceted reflector softens and distributes light into the space and minimizes the luminance ratio between the fixture and the ceiling.

Mechanical cut-off across the reflector and fresnel refracton along the refractor provide high angle shielding and a quiet ceiling.

Sloped endplates provide a balanced fixture to ceiling ratio while enhancing the perception of fixture depth.

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

Rugged, one-piece, cold-rolled steel reflector with embossed facets. Polyester powder paint after fabrication.

Center of reflector slotted on both sides with 1/8" x 1" slots, 7/16" on center, to allow for air removal.

Rigid structure with ballast box and endplates with integral T-bar clips. Fixtures may be mounted end-to-end.

ELECTRICAL — Highly efficient program-start electronic ballasts, Class P, thermally protected, resetting, HPF, non-PCB, UL Listed, CSA Certified, sound rated A. Premium T5 lamp with enhanced phosphors and 85 CRI. Ballast/lamp efficacy up to 100+ LPW. Lamp is TCLP compliant.

F14T5 uses GEB115, producing 1.22 ballast factor standard for typical applications. F24T5HO is available for higher ceiling applications.

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

MAINTENANCE: Side mounted ballast tray accessed by removing adjacent ceiling tile. Ballast tray may be removed from fixture during service.

Lamps accessed by squeezing refractor to release from retention tabs.

LISTING — UL Listed (standard). Optional: Canada CSA or cUL. Mexico NOM.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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

Actual performance may differ as a result of end-user environment and application.

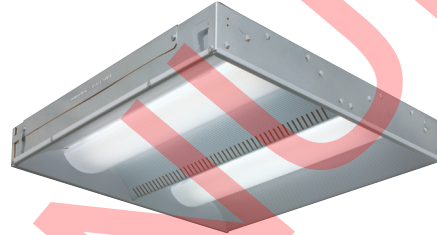
NOTE: Specifications subject to change without notice.

Catalog Number
Notes
Type



2RT5 CAS

Air Return 2' X 2'
2 Lamps
T5
Center Air Slots

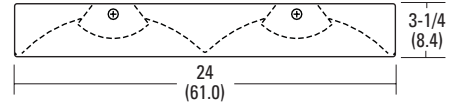


Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/8 (7.9)



All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

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

Example: 2RT5 CAS 14T5 MVOLT GEB115 LP835

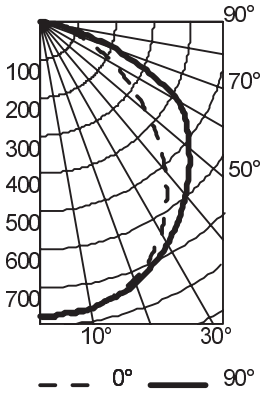
2RT5	CAS	Lamp type		Voltage	Ballast	Lamp ⁴	Options
Series	Air return						
2RT5 Recessed T5	CAS Center air slot	14T5	14W T5 (22")	MVOLT ²	GEB115	LP835	GLR Internal fast-blow fuse ⁵
		24T5HO	24W T5 (22") ¹	347 ³	GEB115S	LP830	PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire (n/a with GEB115S) ⁶
					GEB10PS	LP841	PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁷
							EL14 Emergency battery pack ⁸
							CSA Listed and labeled to comply with Canadian standards
							QFC Quick-flex cable ⁵

Notes

- For T5HO use GEB10PS only.
- MVOLT (120-277 volts), 50-60HZ.
- For 347V use GEB10PS ballast only.
- Required. All fixtures shipped with lamps installed.
- Must specify voltage, 120 or 277.
- For use with standard ballast.
- For use with step dimming ballast.
- See [PS1400QD](#) spec sheet for EL lumen output information.

2RT5 CAS Volumetric Recessed Lighting 2' x 2' Air Return, Center Air Slots

2RT5 14T5 GEB115, (2) FP24/841 lamps, 1220 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL14130



CP Summary		
	0°	90°
0°	776	776
5°	778	770
15°	749	751
25°	688	707
35°	583	638
45°	443	557
55°	293	473
65°	167	319
75°	73	114
85°	11	9
90°	0	0

Coefficients of Utilization

RCR	pf	pc	20%								
			80%			70%			50%		
			70%	50%	30%	50%	30%	10%	50%	30%	10%
0	103	103	103	101	101	101	96	96	96		
1	95	91	87	89	86	83	85	83	80		
2	86	79	74	78	73	68	75	70	66		
3	79	70	63	68	62	57	66	60	56		
4	72	62	54	61	54	48	59	53	48		
5	66	55	48	54	47	42	53	46	41		
6	61	50	42	49	42	37	47	41	36		
7	57	45	38	44	37	32	43	37	32		
8	53	41	34	41	34	29	40	33	29		
9	49	38	31	37	31	26	36	30	26		
10	46	35	28	34	28	24	34	28	23		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0° - 30°	603	24.7	28.
0° - 40°	983	40.3	46.
0° - 60°	1716	70.3	81.
0° - 90°	2113	86.6	100
90° - 180°	0	0.0	0.0
0° - 180°	2113	86.6	100

Efficiency: 86.6%

LER: 66.1 lpw

*The LER (Luminaire Efficacy Rating) is the lumens per watt rating for this fixture. It is used to compare the energy efficiency of various products. This photometric report is based upon IES testing procedures, as stated in LM-41-1998. The reported lumen rating is based upon lamp manufacturer's published lumen output for the cold spot temperature measured during lamp calibration.

Input Wattage			
Wattage	Ballast	120V	277V
24T5H0	GEB10P	55	54
14T5	GEB115S	39	39
14T5 (50% step dimming)	GEB115S	22	22

T5/T8 Energy Comparison				
System	Lamp type	Ballast factor	Input watts	Watts saved compared to T8
2-lamp T8	F32T8U	0.88	58	-
2RT5 2-lamp T5	F14T5	1.22	39	19

Air Handling Information

Tested in accordance with ADC 1062RR.

