

FEATURES & SPECIFICATIONS

INTENDED USE — RT55 is designed for applications that require the extremely energy efficient delivery of comfortable volumetric light from a lay-in fixture that is appealing and shallow in depth and where room-side ballast access is required. Ideal for hospitals, offices, schools and numerous other commercial applications. **Certain airborne contaminants can diminish integrity of acrylic.**

[Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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

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

98% reflective Alonod MIRO® silver optical assembly efficiently redirects lamp output to the reflector.

Regressed, 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 refraction 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 — Rugged, steel reflectors with embossed facets. Painted after fabrication. Door frame hinges down from either side.

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.

1.15 ballast factor or F24T5HO lamping available for higher ceiling height applications.

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

SS option available for use with SIMPLY5™ Lighting Intelligence system with multi-level dimming. See SYNERGY™ Lighting Controls specification sheets for more information.

Lamps accessed by unlatching trim and allowing it to hinge open for easy maintenance. Ballast is accessed from below by removing channel cover.

LISTINGS — UL Listed to U.S. and Canadian standards.

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.

NOTE: Specifications subject to change without notice.

Catalog Number
Notes
Type



2RT5S



2'x2'
2 Lamps
T5 & T5HO

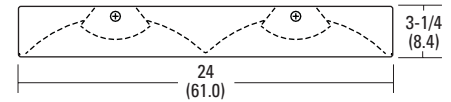
SIMPLY5™
LIGHTING INTELLIGENCE

Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.4)



All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

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

Example: 2RT5S14T5 MVOLT GEB115 LPM835

Series	Trim type	Lamp type	Voltage	Ballast	Lamp	Options
2RT5S						
2RT5S	(blank) Grid F Flanged	14T5 14W T5 (22") 24T5HO 24W T5HO (22") ¹	MVOLT ² 347 ³	GEB115 1.15 ballast factor GEB115S 1.15 ballast factor, step dimming GEB10PS 1.0 ballast factor, program start SS SIMPLY5™ system ^{4,5}	LP835 3500°K LP830 3000°K LP841 4100°K	GLR Internal fast-blow fuse ⁶ PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire (n/a with GEB115S) ⁷ PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁸ EL14 Emergency battery pack; see Life Safety Section; increases fixture depth HW Hardware for SIMPLY5™ system; replaces RELOC [®]

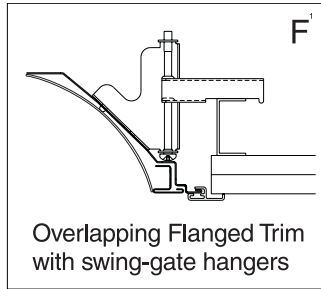
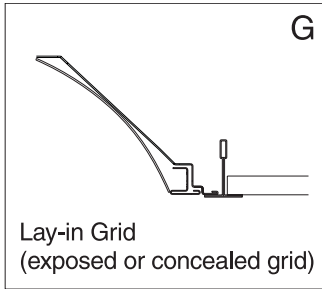
Notes

- For T5HO applications, use GEB10PS ballast only.
- MVOLT (120-277 volts), 50-60HZ.
- For 347V, use GEB10PS.
- SIMPLY5 includes 13' S5 SSC RELOC wiring system, specify voltage unless HW (hardwire) or PWS is ordered.
- Available only with 14T5 lamp.
- Must specify voltage, 120 or 277.
- For use with standard ballast.
- For use with step dimming ballast.

2RT5S Volumetric Recessed Lighting 2' x 2'

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTES:

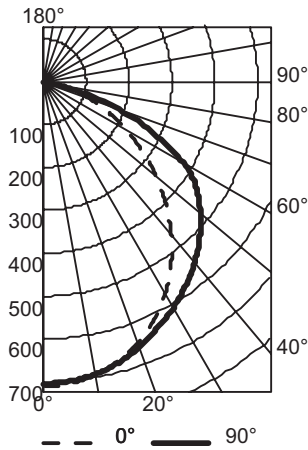
- 1 Recommended rough-in dimensions for F-trim fixtures 24"x24" (Tolerance is +1/4"-0"). Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 1-1/16" over nominal fixture height.

T5/T8 Energy Comparison				
System	Lamp type	Ballast factor	Input watts	Watts saved compared to T8
2-lamp T8 Parabolic	F32T8U	0.88	58	---
2RT5B 2-lamp T5	F14T5	1.22	39	19

Input Wattage			
Wattage	Ballast	120V	277V
24T5HO	GEB10PS	55	54
14T5	GEB115S or S5	39	39
14T5 (50% step dimming)	GEB115S or S5	22	22

PHOTOMETRICS

2RT5S 14T5, (2)FP14/835/HO lamps, 1200 lumens per lamp, s/m 1.2 (along) 1.3(across), test no. LTL18486



CP Summary	0° 90	
	0°	90
0°	707	707
5°	707	701
15°	675	679
25°	612	633
35°	520	580
45°	405	516
55°	283	437
65°	168	286
75°	76	87
85°	13	9
90°	0	0

RCR	pf	Coefficients of Utilization									
		pc	80%			20%			50%		
			pw	70%	50%	30%	50%	30%	10%	50%	30%
0	96	96	96	94	94	94	90	90	90		
1	88	85	81	83	80	77	79	77	75		
2	80	74	69	72	67	63	70	65	62		
3	73	65	59	64	58	53	61	56	52		
4	67	58	51	57	50	45	54	49	44		
5	62	51	44	51	44	39	49	43	38		
6	57	46	39	46	39	34	44	38	34		
7	53	42	35	41	35	30	40	34	30		
8	49	38	31	38	31	27	37	31	26		
9	46	35	29	35	28	24	34	28	24		
10	43	32	26	32	26	22	31	26	22		

Zone	Zonal Lumen Summary		
	Lumens	% Lamp	% Fixture
0° - 30°	545	22.7	28.1
0° - 40°	889	37.1	46.0
0° - 60°	1574	65.6	81.3
0° - 90°	1936	80.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1936	80.6	100.0

Efficiency: 80.6%

*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.