

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.](#)

OPTICAL SYSTEM — 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 Alanod MIRO® silver optical assembly efficiently redirects lamp output to the refractor.

Regressed, one-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 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 reflector with embossed facets. Painted after fabrication. Door frame hinges down from either side.

Fixtures may be mounted end-to-end.

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

0.90 or 0.95 ballast factor standard for typical applications. 1.15 ballast factor or F54T5H0 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. Ballast Disconnect provided standard where required to comply with U.S. and Canadian electrical codes.

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

LISTING — 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



2RT55

2'X 4'

2 Lamps
Premier and
Premier XP T5



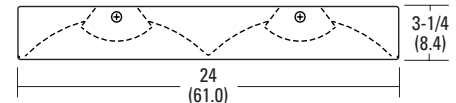
SIMPLY5™
LIGHTING INTELLIGENCE

Specifications

Length: 48 (121.8)

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: 2RT55 28T5 MVOLT GEB95 LPM835P

2RT55	Series	Trim type	Lamp type	Voltage	Ballast	Lamp	Options
	2RT55	(blank) Grid F Flanged	28T5 28W T5 (46") 54T5H0 54W T5 (46") ¹	MVOLT ² 347 ³	GEB95 .95 ballast factor GEB95S .95 ballast factor, step dimming GEB115 1.15 ballast factor GEB115S 1.15 ballast factor, step dimming GEB10PS 1.0 ballast factor, program start ¹ SS 0.95 ballast factor SIMPLY5 system ⁴ GEB80 .80 ballast factor GEB80S .80 ballast factor, step dimming GEB90 .90 ballast factor GEB90S .90 ballast factor, step dimming	LPM835P Premier 3500° K 28W lamp LPM830P Premier 3000° K 28W lamp LPM841P Premier 4100° K 28W lamp L835XP Premier XP 3500° K 28W lamp L830XP Premier XP 3000° K 28W lamp L841XP Premier XP 4100° K 28W lamp LP835 3500° K 54W lamp LP830 3000° K 54W lamp LP841 4100° K 54W lamp	GLR Internal fast-blow fuse ⁵ PWS1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire (n/a with GEB115S) ⁶ PWS1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire ⁷ EL14 Emergency battery pack; see Life Safety section HW Hardware for SIMPLY5 system; replaces RELOC [®]

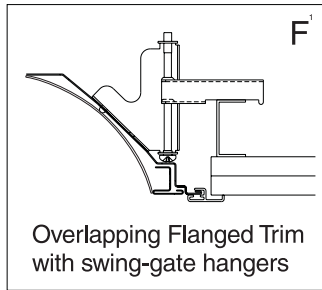
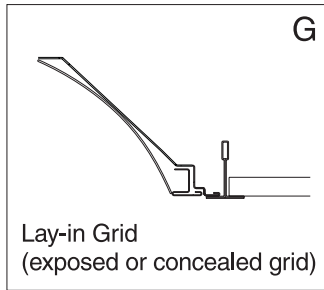
Notes

- For T5H0 applications, use GEB10PS, GEB80, GEB80S or SS ballast.
- MVOLT (120-277 volts), 50-60HZ.
- For 347V, use GEB95S, GEB95 or GEB10PS.
- SIMPLY5 includes 13' SS RELOC[®] wiring system, specify voltage unless HW (hardwire) or PWS is ordered.
- Must specify voltage, 120 or 277.
- For use with standard ballast.
- For use with step dimming ballast.

2RT5 Volumetric Recessed Lighting 2' x 4' Flanged

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"x48" (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.

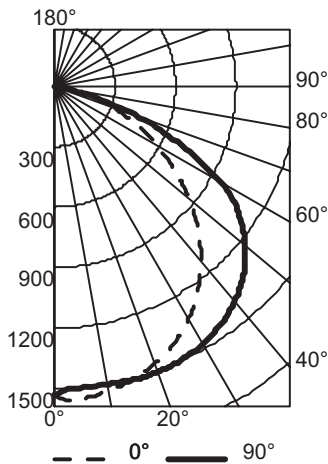
Ballast	Input Wattage 120/277
GEB90, GEB90S	55/54
GEB90S @ 50% power mode	27
GEB95, GEB95S	60/58
GEB95S @ 50% power mode	28/28
GEB115, GEB115S	73/71
GEB115S @ 50% power mode	35/35
GEB80S @ 50% power mode	52/51
GEB80S @ 50% power mode	60/58
S5 - 28T5 1.15	76/76

T5/T8 Energy Comparison

System	Lamp Type	Ballast Factor	Input Watts	Watts Saved Compared to T8
3-lamp T8 Parabolic	F32T8	0.88	88	-
2RT5B 2-lamp T5	F28T5XP	0.90	54	34
2RT5B 2-lamp T5	F28T5	0.95	58	30
2RT5B 2-lamp T5	F28T5	1.15	71	17

PHOTOMETRICS

2RT5S 28T5, (2) FP28/835/PM/ECO lamps, 2730 lumens per lamp, s/m 1.2 (along) 1.4 (across), test no. LTL18423



CP Summary	Coefficients of Utilization												Zonal Lumen Summary			
	0°		pf pc pw	80%			20%			50%			Zone	Lumens	% Lamp	% Fixture
	0°	90		70%	50%	30%	50%	30%	10%	50%	30%	10%				
0°	1533	1533	0	104	104	104	101	101	101	97	97	97	0° - 30°	1241	22.7	26.1
5°	1554	1501	1	95	91	88	89	86	83	85	83	80	0° - 40°	2080	38.1	43.7
15°	1505	1507	2	87	79	74	78	72	68	75	70	66	0° - 60°	3830	70.2	80.5
25°	1405	1495	3	79	70	62	68	62	56	66	60	55	0° - 90°	4759	87.2	100.0
35°	1238	1440	4	72	61	54	60	53	48	58	52	47	90° - 180°	0	0.0	0.0
45°	1008	1325	5	66	55	47	54	46	41	52	45	40	0° - 180°	4759	87.2	100.0
55°	728	1121	6	61	49	41	48	41	35	47	40	35				
65°	447	693	7	56	44	37	44	36	31	42	36	31				
75°	206	197	8	52	40	33	40	33	28	39	32	27				
85°	35	19	9	49	37	30	36	30	25	35	29	25				
90	0	0	10	46	34	27	34	27	22	33	27	22				

Efficiency: 87.2%

*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.