

Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE

2RT5 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. Ideal for offices, schools, hospitals, retail 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, delivering the ideal amount of light to walls, cubicles, work surfaces and people.

Luminous characteristics are carefully managed at high angles, providing 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 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

Housing formed from 20-gauge CRS.

Impact modified acrylic prismatic refractor with polymer light diffusing film.

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

Rigid structure with ballast box and endplates. End plates feature integral T-bar clips.

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.

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

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

S5 option available for use with SIMPLY5™ Lighting Intelligence system with multi-level dimming. See SYNERGY® Control Systems specification sheets for more information.

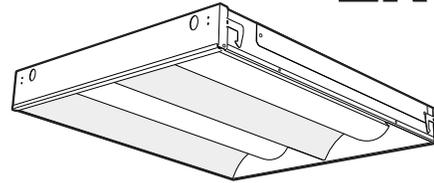
MAINTENANCE

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.



2RT5 NY

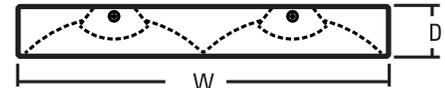


2' x 2'
2 Lamps
T5

SIMPLY5™
LIGHTING INTELLIGENCE

Specifications

Length:	24 (610)
Width:	24 (610)
Depth:	3-1/8 (79)



All dimensions are inches (millimeters) unless otherwise specified.

LISTING

UL Listed (standard).

WARRANTY

Fixture guaranteed for one year against mechanical defects in manufacture. Lamp and ballast system warranty (24 months for lamp, 60 months for ballast) by lamp and ballast manufacturer.

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.

ORDERING INFORMATION

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

Example: 2RT5 14T5 MVOLT GEB115 LP835 NY

2RT5									
Series	Lamp type	Voltage	Ballast		Lamp ⁴		Options		
2RT5 Recessed T5	14T5 14W T5 (22") 24T5HO 24W T5 (22") ¹	MVOLT²	GEB115 1.15 ballast factor GEB115S 1.15 ballast factor, step dimming GEB10PS 1.0 ballast factor, program start S5 0.95 ballast factor SIMPLY5 system ³		LP835 3500°K lamp LP830 3000°K lamp LP841 4100°K lamp		PWS90N1836 6' prewire, 3/8" diameter, 18-gauge, 3-wire (n/a with GEB115S)⁵ PWS90N1846 6' prewire, 3/8" diameter, 18-gauge, 4-wire⁶ EL14 Emergency battery pack (nominal 1200 lumens); see Life Safety Section⁶ HW Hardwire for SIMPLY5 system NY I.B.E.W. union made, NYC code compliant NY3 I.B.E.W. Local 3 union made		

NOTES:

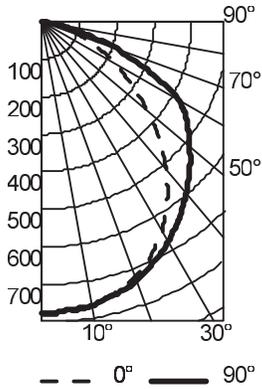
- For T5HO use GEB10PS only.
- MVOLT (120-277 volt).
- SIMPLY5 requires HW (hardware), see options.
- Required. All fixtures shipped with lamps installed.
- For use with standard ballast.
- For use with step dimming ballast.

Accessories

Order as separate catalog number.
DGA 14 Drywall grid adaptor

2RT5 NY Volumetric Recessed Lighting 2' x 2'

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

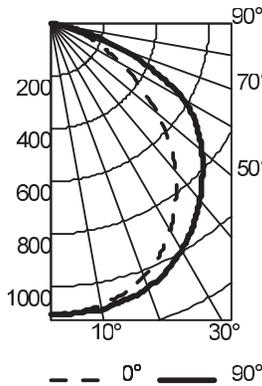


CP Summary			Coefficients of Utilization									Zonal Lumen Summary					
	0°	90°	pf	80%			70%			50%			Zone	Lumens	% Lamp	% Fix	
			pc	70%	50%	30%	50%	30%	10%	50%	30%	10%					
	0°	776	776	0	103	103	103	101	101	101	96	96	96	0° - 30°	603	24.7	28.
	5°	778	770	1	95	91	87	89	86	83	85	83	80	0° - 40°	983	40.3	46.
	15°	749	751	2	86	79	74	78	73	68	75	70	66	0° - 60°	1716	70.3	81.
	25°	688	707	3	79	70	63	68	62	57	66	60	56	0° - 90°	2113	86.6	100
	35°	583	638	4	72	62	54	61	54	48	59	53	48	90° - 180°	0	0.0	0.0
	45°	443	557	5	66	55	48	54	47	42	53	46	41	0° - 180°	2113	86.6	100
	55°	293	473	6	61	50	42	49	42	37	47	41	36				
	65°	167	319	7	57	45	38	44	37	32	43	37	32				
	75°	73	114	8	53	41	34	41	34	29	40	33	29				
	85°	11	9	9	49	38	31	37	31	26	36	30	26				
	90°	0	0	10	46	35	28	34	28	24	34	28	23				

Efficiency: 86.6%

LER: 66.1 lpw

2RT5 24T5HO GEB10PS LP835, (2) FP24/835 lamps, 1760 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL12606



CP Summary			Coefficients of Utilization									Zonal Lumen Summary					
	0°	90°	pf	80%			70%			50%			Zone	Lumens	% Lamp	% Fix	
			pc	70%	50%	30%	50%	30%	10%	50%	30%	10%					
	0°	1104	1104	0	102	102	102	100	100	100	96	96	96	0° - 30°	871	24.7	28.
	5°	1098	1103	1	94	90	87	88	85	82	85	82	80	0° - 40°	1424	40.4	47.
	15°	1063	1088	2	86	79	73	77	72	68	74	70	66	0° - 60°	2484	70.6	82.
	25°	973	1037	3	78	70	63	68	62	57	66	60	56	0° - 90°	3028	86.0	100
	35°	826	939	4	72	62	54	61	54	48	58	53	48	90° - 180°	0	0.0	0.0
	45°	634	812	5	66	55	48	54	47	42	52	46	41	0° - 180°	3028	86.0	100
	55°	413	673	6	61	50	42	49	42	37	47	41	36				
	65°	226	435	7	57	45	38	44	37	32	43	37	32				
	75°	97	147	8	53	41	34	41	34	29	39	33	29				
	85°	13	14	9	49	38	31	37	31	26	36	30	26				
	90°	0	0	10	46	35	28	34	28	24	34	28	23				

Efficiency: 86.0%

LER: 56.0 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
24T5HO	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