

FEATURES & SPECIFICATIONS

INTENDED USE — Suitable for use in ISO 7 (Class 10,000) and ISO 8 (Class 100,000) cleanroom applications. Ideal for medical and cleanroom changing areas and surgical suites. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Available for T-Bar ceilings of 1", 1-1/2" or 2" width, or with overlapping flange and swing-out hangers for use in dry or plaster ceilings. Consult factory to verify fixture/ceiling compatibility. Code gauge steel housing is completely sealed with silicone caulk to prevent passage of particles into or out of fixture. Extruded aluminum, mitered corner door frame features neoprene gasketing between door and housing. Door frame is hinged and cam latched from either side for easy maintenance. Latches are sealed with die-cut gasketing and injection-molded cap.

Lenses available to meet a variety of needs. Lenses feature internal prisms to maintain a smooth, easy-to-clean outer surface.

Suitable for low pressure hosedown (LPD) up to 100 psi (see Options).

Finish: All metal parts are finished with electrostatically deposited, thermally set, polyester powder coat after fabrication. Antimicrobial paint finish available. See options listed below.

ELECTRICAL — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Energy-saving and electronic ballasts are sound rated A. Standard combinations conform to UL 935.

LISTINGS — UL and cUL Listed. NOM Certified (see Options). UL listed and labeled for wet locations for covered ceiling installations. Tested in compliance with the International organization for Standardization (ISO) Worldwide Contamination Classification.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 1-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number
Notes
Type



Recessed Cleanroom Troffer

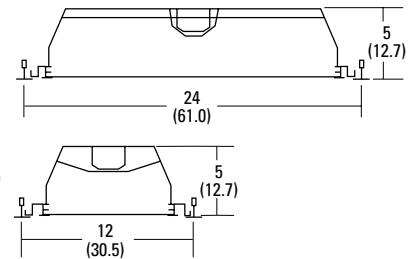
SRT

2' x 2'
1' x 2'
1, 2, or 3 Lamps



	2x2	1x2
Length:	24 (61.0)	24 (61.0)
Width:	24 (61.0)	12 (30.5)
Depth:	5 (12.7)	5 (12.7)

All dimensions are shown in inches (centimeters) unless otherwise specified.



ORDERING INFORMATION

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

Example: 2SRT G 2 17 FW A12125V MVOLT GEB10IS

Series	Trim	Number of lamps	Lamp type	Door	Lens	Voltage
2SRT Cleanroom troffer 2x2	G Grid, 1-1/2" wide tee	1	14T5 14W T5 (21")	FW Aluminum inset, white	A12125V #12 pattern acrylic .125" thick, inverted	120
SRT Cleanroom troffer 1x2	G20 Grid, 2" wide tee (2x4 only) ¹	2	17 17W T8 (24")	FN Aluminum inset, natural	A12156V #12 pattern acrylic .156" thick, inverted	277
	F Overlapping flange	3	U31 31W T8 U(24", 1-5/8" leg spacing)		PCL12125V #12 pattern polycarbonate .125" thick, inverted	347
		4 ¹	U316 31W T8 (24", 6" leg spacing)		SYA PSI symmetric/asymmetric acrylic	MVOLT*
		Not included	24T5H0 24W T5 (22")		SYAR PSI symmetric/asymmetric acrylic with radio filter grid ³	Others available
					T73V #73 pattern, tempered glass .190" thick, inverted	
					ARF12 #12 pattern with 3/8" radio frequency shielding grid .126" thick ⁸	

Options

Shipped installed in fixture

GEB10IS	Electronic ballast(s) ≤10% THD, instant start	CRE	Flanged trim for continuous-row mounting (end) ⁶
GEB10RS	Electronic ballast(s) ≤10% THD, rapid start	CRM	Flanged trim for continuous-row mounting (middle) ⁶
GLR	Internal fast-blow fuse ⁵	LATC	Tee-bar clips, screw-down
GMF	Internal slow-blow fuse ⁵	LPD	Suitable for low-pressure hosedown, up to 100 psi ⁷
RIF1	Radio interference filter (one per fixture) ⁶	CSA	CSA Certified
LG	Lens and frame gasketing, neoprene	NOM	NOM Certified
ABC	Triple gasketing, neoprene	BDP	In-fixture ballast disconnect plug
DWAM	Antimicrobial white powder paint	FPA	Suitable for food-processing areas; meets USDA and FDA requirements ⁹
		BAA	Buy America(n) Act Compliant

Notes

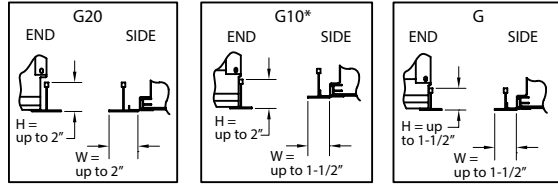
1. 17W only.
2. Reference Lamp Configuration chart on back for compatibility.
3. Lens gasketing not available for this lens type.
4. Electronic ballast 120-277V only. Must specify GEB10IS.
5. Not available with MVOLT.
6. Not available with Grid trim option. For Flange only.

7. For one filter per ballast, specify RIF2.
8. Requires minimum .125" thick lens.
9. Ground clip assembly has 6" - 8" wire lead with ring terminal. Installer is responsible for ground clip attachment and appearance after installation.
10. Must specify LPD and additional gasketing (i.e. LG)

SRT 2x2 & 1x2 Recessed Cleanroom Troffers

MOUNTING DATA

Ceiling Type	Appropriate Trim Type
Exposed grid, 1-1/2" wide tee, up to 1-1/2" tall	G
Exposed grid, 2" wide tee, up to 1-1/2" tall	G20
Acoustical tile, plaster or plasterboard on rigid support parallel to lamps, up to 2" wide and 2" tall	F



H = Height of tee grid

W = Width of tee grid

*For any other dimension not shown, consult factory for compatibility.

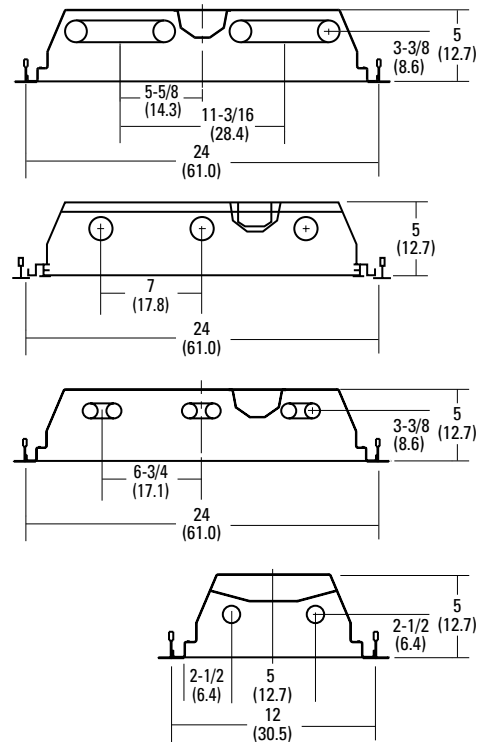
Grid	Flange
Length: 24" (610)	Length: 25-3/16" (638)
Width: 23-3/4" (603)	Width: 25-5/16" (656)
Depth: 5" (127)	Depth: 5-7/8" (146)
Weight: 23 lbs (10 kg)	Weight: 24.5 lbs (11 kg)

Recommended Rough-In Dimensions for F Trim				
Size	Ceiling opening (+1/4-0)		Swing Gate	
	Width	Length	Height Adj.	Span
2X2	24-1/4" (61.6)	24-1/4" (123.2)	1-1/2" — 3-3/4" (3.8 — 9.5)	22-1/2" — 26" (57.1 — 66.0)
1X2	24-1/4" (61.6)	24-1/4" (123.2)	1-1/2" — 3-3/4" (3.8 — 9.5)	10-1/2" — 14" (30.2 — 35.6)

LAMP CONFIGURATIONS		
Series	Lamp type	# Lamps
2X2	F17	2, 3, 4, or 6
	U31, CF40, CF50	2 or 3
	U316	2
1X2	F17, CF40, CF50	2 or 3
	U31	1 or 2
	U316	1

DIMENSIONS

Inches (centimeters). Subject to change without notice.



PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedures. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2SRT G 2 17 FW A12125V

Report: **LTL9285**

LUMENS PER LAMP: **1350**

Luminaire Efficiency: 82.6%

Coefficients of Utilization									
RCR	80%		20%		50%		30%		
	pc	pw	pc	pw	pc	pw	pc	pw	
	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	98	98	98	92	92	92	88	88	88
1	90	86	83	81	78	76	77	75	73
2	82	75	69	71	66	62	68	64	61
3	75	66	59	62	57	52	60	55	51
4	68	58	51	55	49	45	53	48	44
5	63	52	45	49	43	39	48	42	38
6	58	47	40	45	38	34	43	38	33
7	54	43	35	41	34	30	39	34	30
8	50	39	32	37	31	27	36	31	27
9	47	36	29	34	28	24	33	28	24
10	44	33	26	32	26	22	31	26	22

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	618	22.9	27.7
0° - 40°	1010	37.4	45.3
0° - 60°	1777	65.8	79.7
0° - 90°	2231	82.6	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2231	82.6	100.0

2SRT G 2 U31 FW A12125V

Report: **LTL10959**

LUMENS PER LAMP: **2725**

Luminaire Efficiency: 73.1%

Coefficients of Utilization									
RCR	80%		20%		50%		30%		
	pc	pw	pc	pw	pc	pw	pc	pw	
	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	87	87	87	81	81	81	78	78	78
1	80	76	73	71	69	67	69	67	65
2	73	67	62	63	59	55	60	57	54
3	66	59	53	55	50	47	53	49	46
4	61	52	46	49	44	40	47	43	39
5	56	46	40	44	39	34	43	38	34
6	52	42	35	40	34	30	39	34	30
7	48	38	32	36	31	27	35	30	27
8	44	35	28	33	28	24	32	27	24
9	42	32	26	31	25	22	30	25	22
10	39	29	24	28	23	20	28	23	20

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0° - 30°	1133	20.8	28.4
0° - 40°	1838	33.7	46.1
0° - 60°	3185	58.4	80.0
0° - 90°	3983	73.1	100.0
90° - 180°	0	0.0	0.0
0° - 180°	3983	73.1	100.0