

FEATURES & SPECIFICATIONS

INTENDED USE — Specification premium, high performance, static T8 luminaires provide general illumination for recessed applications; ideal for restricted plenum spaces. **Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

ATTRIBUTES — Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION — Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder-painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

US PATENTS: 6,210,025; 6,231,213; 6,213,625; 2,288,471.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with highly reflective matte white enamel.

OPTICAL — A12 lens features reverse apex technology for superior lamp obscuration and improved visual comfort.

ELECTRICAL — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTINGS — Standard: UL. Optional: Canada — CSA or cUL.

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

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

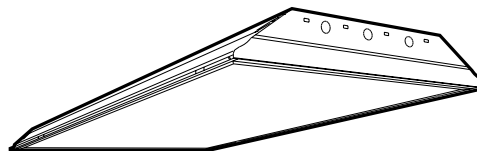
Specifications subject to change without notice.

Catalog Number
Notes
Type

Specification Premium T8 Troffer

SP8 2'X4'

2, 3, 4 or 6 Lamps
T8



Specifications

Length: 48 (1218)

Width: 24 (609)

Depth: 3-11/16 (94)

Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

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

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

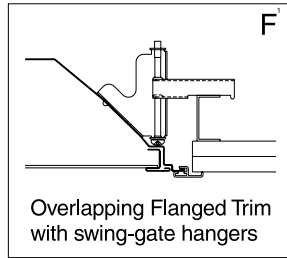
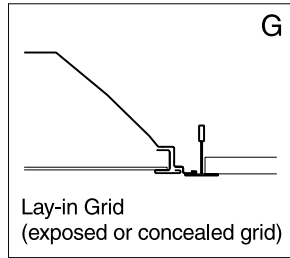
2SP8																																													
Series		Trim type		Number of lamps	Lamp type	Door frame		Diffuser type		Voltage	Options																																		
2SP8	2' wide	G	Grid	2	32 32W T8 (48")	(blank)	Flush steel, white	A12	#12 pattern acrylic	120	1/4	One 4-lamp ballast																																	
		F	Overlapping flanged	3		FN	Flush aluminum, natural	A12125	#12 pattern acrylic, .125" thick	277	1/3	One 3-lamp ballast																																	
				4									FM	Flush aluminum, matte black	RA125	#12 pattern acrylic, .125" thick, reverse apex	347 ¹	GEB10IS	Electronic ballast, <10% THD, instant start																										
				6																FW	Flush aluminum, white	A19	#19 pattern acrylic, .156" thick	MVOLT ²	GEB10PS	Electronic ballast, <10% THD, programmed start																			
				Not included																							RN	Regressed aluminum, natural	A15	#15 pattern acrylic, .2" thick	Others available	GEB10RS	Electronic ballast, <10% THD, rapid start												
																																		RM	Regressed aluminum, matte black	PC1S	1/2" x 1/2" x 1/2" plastic cube louver, silver	GLR	500 nominal lumen battery pack (Noncompliant with CA T20) ³						
																																								RW	Regressed aluminum, white	PC2SF	1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange	GMF	Internal fast-blow fuse ⁴
				PWS1836																							6' prewire, 3/8" dia., 18-gauge, 1 circuit																		
																												PWS1846	6' prewire, 3/8" dia., 18-gauge, 2 circuit																
LP835	3500 K																																												
LP841	4100 K																																												
JP	Palletized and stretch-wrapped without individual cartons; grid trim only																																												
CSA	CSA Certified																																												
CP	Chicago Plenum																																												

NOTE:

- Not available with GEB10PS.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.
- Must order 2/3 or 1/41/2 ballast configuration with 6 lamp units.
- Must specify voltage 120 or 277V.

MOUNTING DATA

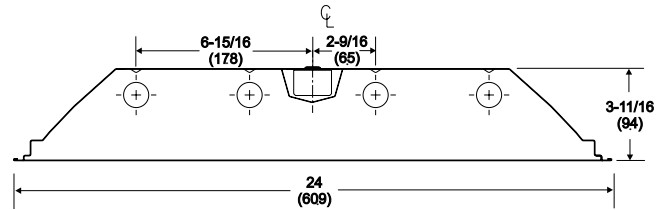
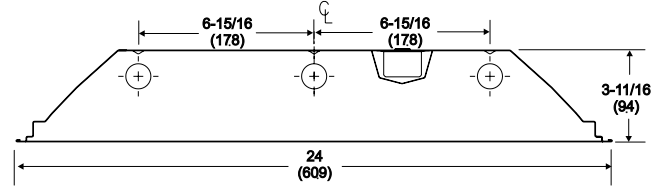
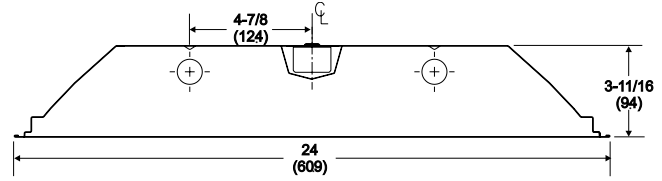
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



NOTE:

- 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 9/16" over nominal fixture height.

DIMENSIONS



PHOTOMETRICS

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

2SP8 2 32 A12*

Report LTL 7525

Lumens per lamp - 2850 – Lum. eff. - 85.5%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	99	99	99	95	95	95
1	94	90	87	92	88	85	85	82	80
2	86	80	74	84	78	73	75	71	68
3	79	71	64	77	70	64	67	62	58
4	73	63	56	71	62	56	60	55	50
5	67	57	50	66	56	49	54	48	44
6	62	52	44	61	51	44	49	43	39
7	58	47	40	57	46	40	45	39	34
8	54	43	36	53	42	36	41	35	31
9	51	39	33	49	39	33	38	32	28
10	47	36	30	46	36	30	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1541	27.0	31.6
0-40	2571	45.1	52.7
0-60	4192	73.5	86.0
0-90	4874	85.5	100.0
90-180	0	0	0
0-180	4874	85.5	100.0

2SP8 3 32 A12*

Report LTL 7492

Lumens per lamp - 2850 – Lum. eff. - 83.6%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	100	100	100	97	97	97	93	93	93
1	92	88	85	90	86	83	83	80	78
2	84	78	73	82	77	72	74	70	66
3	78	70	63	76	68	62	66	61	57
4	72	62	55	70	61	55	59	54	49
5	66	56	49	64	55	49	53	48	43
6	61	51	44	60	50	43	49	43	38
7	57	46	39	56	46	39	44	38	34
8	53	42	36	52	42	35	41	35	31
9	50	39	32	49	38	32	38	32	28
10	47	36	30	46	36	29	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2319	27.1	32.4
0-40	3833	44.8	53.6
0-60	6164	72.1	86.2
0-90	7147	83.6	100.0
90-180	0	0	0
0-180	7147	83.6	100.0

2SP8 4 32 A12*

Report LTL 7526

Lumens per lamp - 2850 – Lum. eff. - 81.5%

S/MH (along) 1.2 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	90	86	83	87	84	81	81	78	76
2	82	76	71	80	75	70	72	68	65
3	76	68	62	74	67	61	64	59	55
4	70	61	54	68	60	53	58	52	48
5	64	55	48	63	54	47	52	46	42
6	60	50	43	58	49	42	47	42	37
7	56	45	38	54	44	38	43	37	33
8	52	41	35	51	41	34	40	34	30
9	48	38	32	47	38	31	37	31	27
10	46	35	29	44	35	29	34	28	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	3029	26.6	32.6
0-40	4999	43.8	53.8
0-60	8017	70.3	86.3
0-90	9292	81.5	100.0
90-180	0	0	0
0-180	9292	81.5	100.0

* With reverse apex lens