

FEATURES & SPECIFICATIONS

INTENDED USE — Low-profile static luminaire provides 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 for 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.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

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.

LISTING — Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

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

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

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

Specifications subject to change without notice.

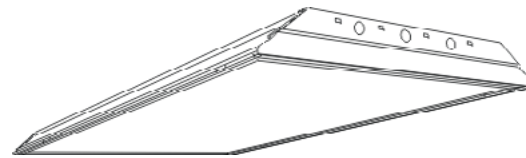
Catalog Number
Notes
Type

General Purpose T8 Troffer



GT8 2'x4'

2, 3 or 4 Lamps



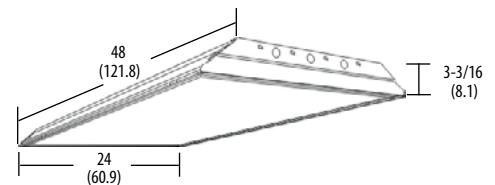
Specifications

Length: 48 (121.8)

Width: 24 (60.9)

Depth: 3-3/16 (8.1)

Weight: 22 lbs (9.9 kg)



All dimensions are inches (centimeters).

ORDERING INFORMATION

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

Example: 2GT8 2 32 A12 MVOLT GEB10IS

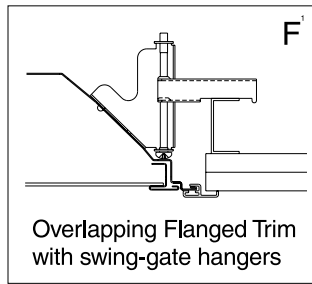
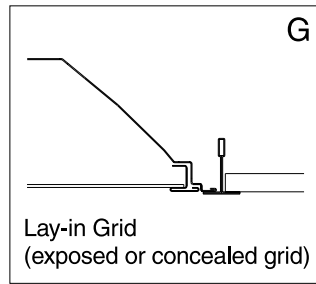
2GT8									
Series	Trim type	Number of lamps	Lamp type	Door frame	Diffuser type	Voltage	Options		
2GT8 2' wide	(blank) Grid F Overlapping flanged	2	32 32W T8 (48")	(blank) Flush steel, white	A12 #12 pattern acrylic	120 277 347 MVOLT ² Others available	1/4	One 4-lamp ballast	
		3		FN Flush aluminum, natural	A12125 #12 pattern acrylic, .125" thick		1/3	One 3-lamp ballast	
		4		FM Flush aluminum, matte black	A19 #19 pattern acrylic, .156" thick		GEB10IS	Electronic ballast, <10% THD, instant start	
		Not included		FW Flush aluminum, white	A15 #15 pattern acrylic, .2" thick		GEB10PS	Electronic ballast, <10% THD, programmed start	
				RN Regressed aluminum, natural	PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver		GEB10RS	Electronic ballast, <10% THD, rapid start	
				RM Regressed aluminum, matte black	PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange ¹		EL	500 nominal lumen battery pack (Noncompliant with CA T20)	
		RW Regressed aluminum, white		PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver			EL14	1400 nominal lumen battery pack (Noncompliant with CA T20)	
							EL14 T20C	1400 nominal lumen battery pack, Certified in CA Title 20 MAEDBS	
					GLR		Internal fast-blow fuse ³		
		GMF		Internal slow-blow fuse ³					
LST	Tandem-wired fixture pairs (shared ballasts)								
PWS1836	6' prewire, 3/8" dia., 18-gauge, 1 circuit								
LP__	Lamped, specify lamp type and color								
JP	Palletized and stretch-wrapped without individual cartons; grid trim only								
CSA	CSA Certified								
NOM	NOM Certified								

NOTES:

- Available with flush door frames only.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.
- Must specify voltage 120V or 277V.

MOUNTING DATA

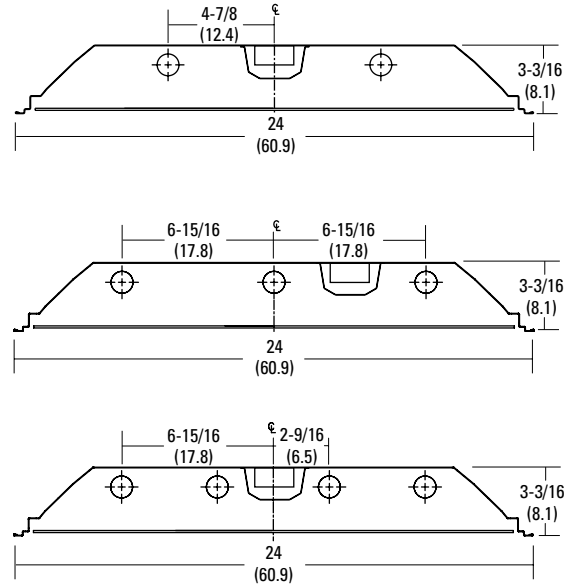
Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



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 1-1/16" 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.

2GT8 2 32 A12

Report LTL 7424

Lumens per lamp - 2850 – Lum. eff. - 81.7%

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	89	86	82	87	84	81	80	78	76
2	82	75	70	80	74	69	71	67	63
3	75	67	60	73	65	59	63	58	54
4	69	59	52	67	58	52	56	51	46
5	63	53	46	62	52	46	51	45	40
6	59	48	41	47	47	40	46	40	35
7	54	44	37	53	43	36	42	36	31
8	51	40	33	49	39	33	38	32	28
9	47	37	30	46	36	30	35	29	25
10	44	34	27	43	33	27	32	27	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1372	24.1	29.4
0-40	2277	39.9	48.9
0-60	3907	68.5	83.9
0-90	4658	81.7	100.0
90-180	0	0	0
0-180	4658	81.7	100.0

2GT8 3 32 A12 1/3

Report LTL 7421

Lumens per lamp - 2850 – Lum. eff. - 80.1%

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	95	95	95	93	93	93	89	89	89
1	88	84	81	85	82	79	79	76	74
2	80	74	69	78	72	68	70	66	62
3	74	66	59	72	64	58	62	57	53
4	68	58	52	66	57	51	55	50	46
5	62	52	45	61	52	45	50	44	40
6	58	47	40	56	47	40	45	39	35
7	54	43	36	52	42	36	41	35	31
8	50	39	33	49	39	32	38	32	28
9	47	36	30	45	36	29	35	29	25
10	44	33	27	43	33	27	32	27	23

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2066	24.2	30.2
0-40	3412	39.9	49.8
0-60	5768	67.5	84.2
0-90	6851	80.1	100.0
90-180	0	0	0
0-180	6851	80.1	100.0

2GT8 4 32 A12 1/4

Report LTL 7425

Lumens per lamp - 2850 – Lum. eff. - 78.6%

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	94	94	94	91	91	91	87	87	87
1	86	82	79	84	81	78	77	75	73
2	79	73	68	77	71	67	68	64	61
3	72	64	58	70	63	57	61	56	52
4	66	57	51	65	56	50	54	49	45
5	61	51	45	60	51	44	49	43	39
6	57	47	40	55	46	39	44	39	34
7	53	42	36	51	42	35	40	35	31
8	49	39	32	48	38	32	37	31	27
9	46	35	29	45	35	29	34	29	25
10	43	33	27	42	32	27	32	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2718	23.8	30.3
0-40	4481	39.3	50.0
0-60	7553	66.3	84.2
0-90	8965	78.6	100.0
90-180	0	0	0
0-180	8965	78.6	100.0