LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

General Purpose T8 Troffer

GT8 2'X2'

COMPACT FLUORESCENT, STRAIGHT AND U LAMPS

2, 3 or 4 Lamps
CF or T8 only

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" think). 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.

LISTINGS — UL Listed (standard). CSA Certified (see Options).

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.

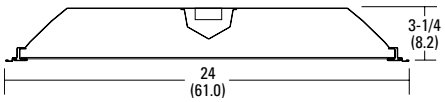
Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-1/4 (8.2)

Weight: 19 lbs (8.6 kg)



All dimensions are inches (centimeters) unless otherwise indicated.

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

Example: 2GT8 2 U316 A12 MVOLT GEB10IS

2GT8											
Series		**Trim type**		**Number of lamps**[1]	**Lamp type**		**Door frame**		**Diffuser type**		**Voltage**
2GT8	2' wide	**(blank)**	Grid	**2**	**17**	17W T8 (24")	**(blank)**	Flush steel, white	**A12**	#12 pattern acrylic	**120**
		F	Overlapping flanged	**3**	**U31**	31W T8 (24")	FN	Flush aluminum, natural	**A12125**	#12 pattern acrylic, .125" thick	277
				4	**U316**	32W T8 U (6" leg, 24")[2]	FM	Flush aluminum, matte black	**A19**	#19 pattern acrylic, .156" thick	347
				Not included	**CF40**	40W TT5 (24")[2]	**FW**	Flush aluminum, white	A15	#15 pattern acrylic, .2" thick	**MVOLT**[4]
							RN	Regressed aluminum, natural	PC1S	1/2" x 1/2" x 1/2" plastic cube louver, silver	Others available
							RM	Regressed aluminum, matte black	PC2SF	1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange[3]	
							RW	Regressed aluminum, white	PC3S	3/4" x 3/4" x 1/2" plastic cube louver, silver	

Options

1/4	One 4-lamp ballast	LST	Tandem-wired fixture pairs (shared ballasts)
1/3	One 3-lamp ballast	**PWS1836**	6' prewire, 3/8" dia., 18-gauge, 1 circuit
GEB10IS	Electronic ballast, <10% THD, instant start	LP835	3500 K
GEB10RS	Electronic ballast, <10% THD, rapid start	LP841	4100 K
GEB10PS	Electronic ballast, <10% THD, programmed start[5]	JP	Palletized and stretch-wrapped without individual cartons; grid trim only
EL	500 nominal lumen battery pack (Noncompliant with CA T20)	**CSA**	CSA Certified
GLR	Internal fast-blow fuse[6]		
GMF	Internal slow-blow fuse[6]		

Notes

1 4-lamp models available with 17-watt straight tubes only.

2 Not available on 3-lamp models. Use U31.

3 Available with flush door frames only.

4 MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.

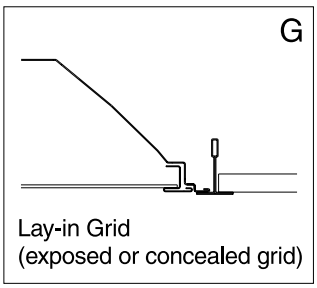
5 Not available with compact fluorescent lamps – use GEB10RS.

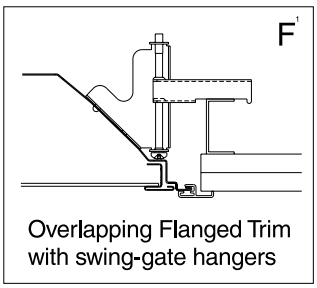
6 Must specify voltage 120 or 277.

GT8 2'x2' Static T8 Troffer

MOUNTING DATA

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



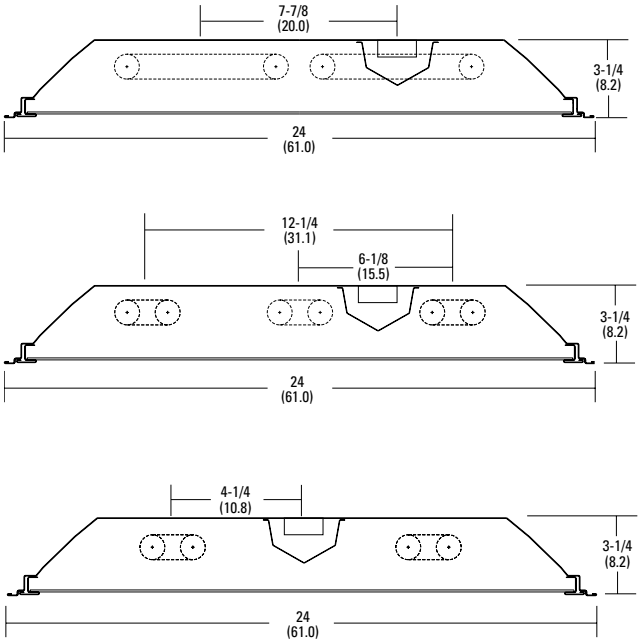


NOTE:

1 Recommended rough-in dimensions for F-trim fixtures 24"x24". (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

All dimensions are inches (centimeters) unless specified otherwise.



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 2CF40 A12

Report LTL 7533

Lumens per lamp - 3150 – Lum. eff. - 84.3%

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	100	100	100	98	98	98	94	94	94
1	92	89	85	90	87	84	83	81	78
2	85	78	73	82	77	72	74	70	66
3	78	69	63	76	68	62	66	60	56
4	71	62	55	70	61	54	59	53	49
5	66	56	48	64	55	48	53	47	42
6	61	50	43	60	50	43	48	42	38
7	57	46	39	55	45	38	44	38	33
8	53	42	35	52	41	35	40	34	30
9	49	39	32	48	38	32	37	31	27
10	46	36	29	45	35	29	34	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1664	26.4	31.3
0-40	2736	43.4	51.5
0-60	4514	71.6	85.0
0-90	5309	84.3	100.0
90-180	0	0	0
0-180	5309	84.3	100.0

2GT8 2U316 A12

Report LTL 7534

Lumens per lamp - 2600 – Lum. eff. - 72.9%

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	87	87	87	85	85	85	81	81	81
1	80	77	74	78	75	72	72	70	68
2	73	68	63	71	66	62	64	60	57
3	67	60	54	65	59	54	57	52	49
4	62	54	48	60	53	47	51	46	42
5	57	48	42	56	47	42	46	41	37
6	53	44	37	52	43	37	42	36	32
7	49	40	34	48	39	33	38	33	29
8	46	36	30	45	36	30	35	30	26
9	43	33	28	42	33	27	32	27	23
10	40	31	25	39	30	25	30	25	21

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1191	22.9	31.4
0-40	1950	37.5	51.4
0-60	3220	61.9	84.9
0-90	3793	72.9	100.0
90-180	0	0	0
0-180	3793	72.9	100.0

2GT8 2U31 A12

Report LTL 8352

Lumens per lamp - 2800 – Lum. eff. - 76%

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	91	91	91	89	89	89	85	85	85
1	80	77	74	78	76	73	75	73	71
2	71	66	62	69	65	61	67	63	60
3	63	57	52	62	56	52	59	55	51
4	56	50	45	55	49	44	53	48	44
5	50	44	39	49	43	39	48	42	38
6	45	39	34	45	38	34	43	38	34
7	41	35	30	41	35	30	40	34	30
8	38	31	27	37	31	27	36	31	27
9	35	29	24	34	28	24	33	28	24
10	32	26	22	32	26	22	31	26	22

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0 - 30	1312.2	23.4	30.7
0 - 40	2162.1	38.6	50.6
0 - 60	3628.5	64.8	84.8
0 - 90	4277	76	100
90 - 180	0	0	0
0 - 180	4277	76.4	100.0

© 2015-2021 Acuity Brands Lighting, Inc. All rights reserved. Rev. 08/11/21