

Day-Brite CFI

by @ignify

Recessed

TG8 troffer 2x4

T5, T5HO, T8



Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

Day-Brite / CFI TG8 troffer is a quality low-profile recessed luminaire with specification features. It is designed around modern lamps and electronic ballasts.

Ordering guide

Example: 2TG8232-01-UNV-1/2-EBLHE-LPT835HL

Width	Family	Ceiling Type	Housing	No. of Lamps (not included)	Lamp Type	Door Frame	Lens	Door Finish	Voltage	Options
2	T		8		—			—	—	
2 2'	T TG8 troffer	G Grid F Flange	8 Low profile housing	2 3 4	28 28WT5 (46") 32 32WT8 (48") 54HO 54W T5HO (46")	BLANK FA Flat Steel Flat Aluminum Regressed Aluminum RA	01 Pattern 12 prismatic acrylic K12, .125" nominal 12 K19, .156" nominal 19 Pattern 12, .125" nominal 21 Pattern 12, .125" nominal 30 1/2"x1/2"x1/2" silver louver, polystyrene 34 1-1/2"x1-1/2"x1" silver louver, polystyrene 52 3/4"x3/4"x1/2" silver louver, polystyrene PL3 ALP Para-lite3 high efficiency 3/4"x3/4"x1/2" silver louver, polystyrene	BLANK B White Black Door	120 277 347 UNV Universal Voltage 120-277V	1/2 One 2-lamp ballast 1/3 One 3-lamp ballast 1/21 2-lamp & 1-lamp ballasts 1/4 One 4-lamp ballast 2/2 Two 2-lamp ballasts EB Electronic ballast, <10% THD, std. ballast factor EB10R T8 electronic ballast, program rapid start, <10% THD EBHE T8 electronic ballast, high efficiency, std. ballast factor EBLHE T8 electronic ballast, high efficiency, low ballast factor EBHHE T8 electronic ballast, high efficiency, high ballast factor EBD Electronic dimming ballast, customer specified EBSD T8 electronic step dimming ballast, .88 ballast factor EBD7 Advance Mark 7 dimming ballast, 0-10V (low voltage) control EBDX Advance Mark 10 dimming ballast, phase control E1 B100 emerg. ballast, T8, 350-450 lumens, 120/277V E1CAN B100-CAN emerg. ballast, Canada market, T8, 350-450 lumens, 120/347V E7 B60 emerg. ballast, T8, 600-700 lumens, 120/277V E5 B50 emerg. ballast, U.S. or Canada market, T8, 1100-1400 lumens, UNV E5CAN B50-CAN emerg. ballast, Canada market, T8, 1100-1400 lumens, 120/347V E5ST B50ST emerg. ballast w/self test, T8, 1100-1400 lumens, UNV E7LP LP550 emerg. ballast T5/T5HO, 430-700 lumens, 120/277V E6LP LP600 emerg. ballast U.S. or Canada market, T5/T5HO, 750-1325 lumens, 120/277V F1 3/8" flex 3 wire, 18 gauge 6' F2 3/8" flex 4 wire, 18 gauge 6' F2/5W 3/8" single flex, 5 wire 18 gauge 6' for dimmable luminaires GLR Fusing, fast blow

Accessories

FMA24
FKTG824

2'x4' "F" mounting frame for NEMA "F" mounting
Flange conversion kit, 2x4 TG8

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FMA24 2'x4' "F" mounting frame for NEMA "F" mounting
FKTG824 Flange conversion kit, 2x4 TG8

2TG8 TG8 troffer 2x4

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Construction/finish

- A quality low-profile troffer with specification features for NEMA "G" grid, NEMA "NFG" narrow face grid, NEMA "GR" grid regressed, NEMA "NFSG" narrow faced slot grid, or NEMA "F" flange ceiling types.
- 3" nominal housing depth, 3-3/16" maximum depth.
- Smooth rolled edges on all four sides for easy handling.
- Die-formed one piece housing includes stiffening embosses and provides increased rigidity.
- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Lamp pin openings in housing ends for easier relamping (can be relamped without using openings).
- Integral baffling system to prevent light leaks.
- 2 sets of integral grid clips (wraparound and fold out) for maximum mounting flexibility.
- Integral wire hanger holes for independent wire suspension.
- Embosses with holes provided in housing end for screwing to T-bar if desired.
- On T8 models, a single lamp can be changed without disturbing other lamps or wireway cover.
- 7/8" K.O.'s provided in each end cap for through wiring.
- Factory installed access plate in housing top includes 7/8" hole with rolled edge and 7/8" K.O.
- Carton includes integral carrying handle for easy handling.

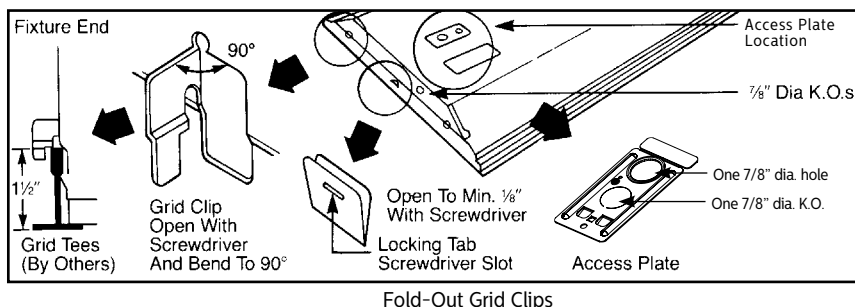
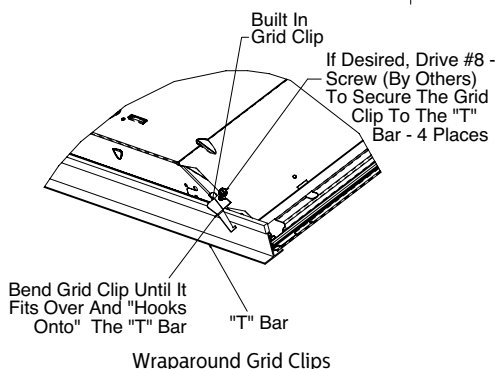
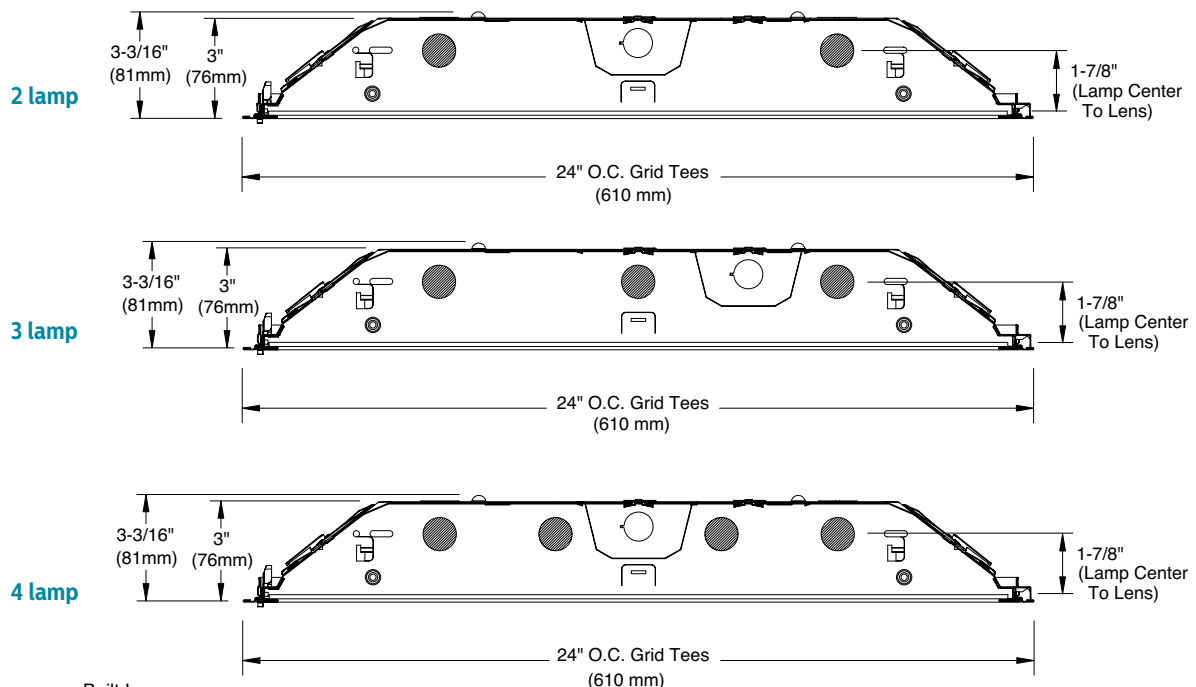
Electrical

- cULus listed for damp locations.
- Self-contained fluorescent emergency power packs can be incorporated, listed for dry locations.
- Rotating ring locking lampholder is standard for secure and positive retention of lamps.

Enclosure

- Full "C" channel door frames for improved lens support and reduced shipping damage.
- Flat steel door frame features smooth rolled edges inside and outside.
- All door frames have mitered corners.
- All door frames use T-hinges and can be hinged and latched from either side.
- Opposable spring loaded latches are standard for easy operation and consistent retention.

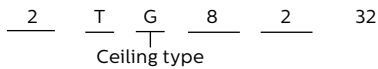
Dimensions



2TG8 TG8 troffer 2x4

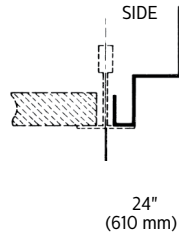
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Ceiling Configuration

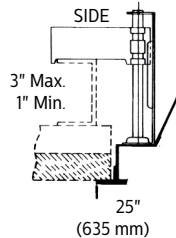


G = Grid (NEMA G)

F = Flange (NEMA F)



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for fixtures on 24" x 48" spacing.



(NEMA Type F)
Flange for acoustical ceilings using concealed mechanical suspension. Swing-jack mounting brackets: adjustment 3" max. and 1" min. Refer to sheet 801-CL for cut-out information.

Photometry

TG8 troffer 2x4 2 Lamp T8

Efficiency – 87.1%

LER – 74

TER – 65

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.	22916	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH	1.4	0	1838	1838	1838	0-30	1470	25.8	29.6	45	2521	2823	3116
Lamp Type	F32T8	5	1841	1835	1827	0-40	2433	42.7	49.0	55	2090	2439	2604
Lumens/Lamp	2850	10	1815	1821	1823	0-60	4147	72.8	83.5	65	1633	1690	1952
Ballast Factor	.88	15	1774	1796	1818	0-90	4966	87.1	100.0	75	1612	1246	1556
Input Watts	59	20	1715	1761	1802					85	1878	1731	1731
		25	1631	1711	1778								
		30	1530	1643	1737								
		35	1411	1550	1667								
		40	1271	1416	1551								
		45	1111	1244	1373								
		50	931	1065	1154								
		55	747	872	931								
		60	572	653	709								
		65	430	445	514								
		70	329	289	361								
		75	260	201	251								
		80	193	156	176								
		85	102	94	94								

Comparative yearly lighting energy cost per 1000 lumens – \$3.24 based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

TG8 troffer 2x4 3 Lamp T8

Efficiency – 84.8%

LER – 76

TER – 67

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.	22921	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH	1.4	0	2708	2708	2708	0-30	2163	25.3	29.8	45	3699	4125	4504
Lamp Type	F32T8	5	2709	2703	2694	0-40	3573	41.8	49.2	55	3058	3533	3746
Lumens/Lamp	2850	10	2673	2681	2688	0-60	6064	70.9	83.6	65	2407	2441	2813
Ballast Factor	.88	15	2618	2645	2677	0-90	7253	84.8	100.0	75	2337	1804	2244
Input Watts	84	20	2526	2593	2657					85	2669	2449	2743
		25	2402	2518	2616								
		30	2253	2413	2544								
		35	2078	2269	2429								
		40	1867	2069	2247								
		45	1630	1818	1985								
		50	1365	1545	1663								
		55	1093	1263	1339								
		60	841	943	1019								
		65	634	643	741								
		70	481	419	518								
		75	377	291	362								
		80	279	225	257								
		85	145	133	149								

Comparative yearly lighting energy cost per 1000 lumens – \$3.16 based on 3000 hrs. and \$.08 pwr KWH.

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