

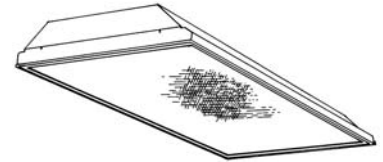
Special Application Fluorescent

Designer Clean Room Troffer

2' X 4'

2, 3, or 4-Lamp

T8



Specifier's Reference

Project
Type
Model No.
Comments

application

- Premium quality recessed static troffer for use in:
 - Grid inverted T (NEMA "G") ceilings.

construction/finish

- Meets federal standard No. 209E for class 100,000, 10,000 and 1,000.
- Gasketed housing limits the passage of particle matter through the luminaire.
- Designer Clean Room is NOT designed for rigorous pharmaceutical grade clean room applications.
- Housing is gasketed to form a barrier between plenum and inside of luminaire. Door frame and lens are not sealed.
- Floating door (with black reveal) standard.
- Hinge and latch extruded aluminum door allows relamping and servicing from below the ceiling.
- Standard lens is DB-21, 1/8" nominal thickness prismatic acrylic.
- Designed for use with 1-1/2" max. face width inverted T-Bars, 1-1/2" max. height. Also suitable for use with standard (1" wide) T-bars. Not suitable for use with 2" wide T-bars.
- Installing contractor is responsible for sealing luminaire to "T" Bar with clear silicone sealant.
- Housing is painted after fabrication with white polyester powder finish.

electrical

- UL listed for wet location for covered ceiling use only.
- C.S.A. Certified Optional
- Class P, HPF ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).

side mounted ballasts

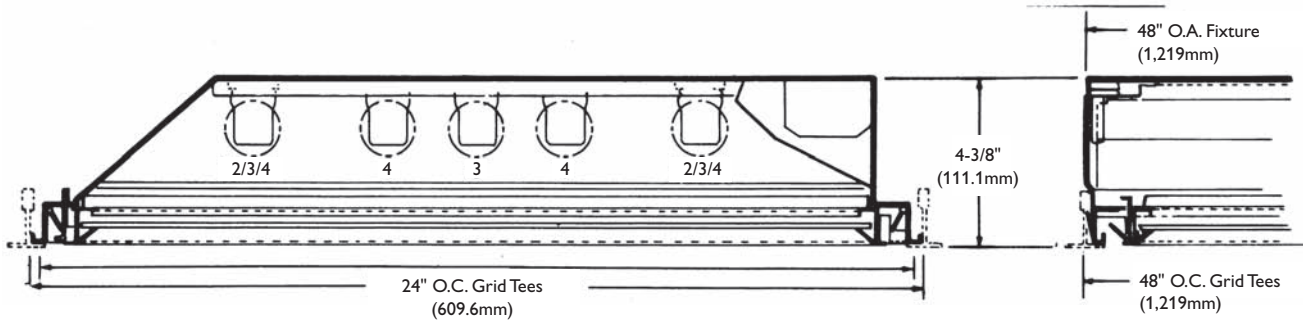
- Reduce ballast operating temperatures (two surface contact, away from lamps)
- Increase average ballast life.
- Increase luminaire efficiency.
- All lamps on the same plane for uniform lens illumination.

Green Choice: 2DCLG432-FA21-UNV-1/4-EBLHE-LPT835HL

2	G	32	–	FA	–	–	
Width	Ceiling Type*	Lamp Type/ Wattage		Lens			Options
2 – 1'	G – Grid	12 – DB-12, .125" nominal 19 – DB-19, .156" nominal 32 – 32WT8 (48")		12 – DB-12, .125" nominal 19 – DB-19, .156" nominal 21 – Patt. 12, .125" nominal			1/2 – One 2-lamp ballast (electronic or non-standard) 1/3 – One 3-lamp ballast (electronic or non-standard) 1/21 – 2-lamp & 1-lamp ballast (electronic or non-standard) 1/4 – One 4-lamp ballast (electronic or non-standard) 2/2 – Two 2-lamp ballasts (electronic or non-standard) EB – Electronic ballast, <20% THD EB101 – Electronic ballast, instant start, <10% THD EB10R – Electronic ballast, program rapid start, <10% THD E1 – DEB-1 emerg. ballast, 350-450 lumens, UL dry loc. E7 – DEB-7 emerg. ballast, 600-700 lumens, UL dry loc. E5 – DEB-5 emerg. ballast, 1100-1400 lumens, UL dry loc. ESST – DEB-5ST emerg. ballast w/self test, 1100-1400 lumens, UL dry loc. F1 – Installed flex, 3/8" diameter, 18 gauge, 3 wire, 6' F2 – Installed flex, 3/8" diameter, 18 gauge, 4 wire, 6' GLR# – Fusing, fast blow (# = number of ballasts) 1W – 1 way gasketing, between lens & door frame 2W – 2 way gasketing, 1W + gasketing between door frames & housing 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 LPT735 – Installed lamps, 70+ CRI, 3500K LPT835HL – Installed lamps, 85+ CRI, 3500K, high lumen
	Family	No. of Lamps		Door Frame		Voltage	
	DCL – Designer Clean Room DCLC – Canadian Model	(not included) 2 3 4		FA – Flat Aluminum		120 277 347 UNV – Universal voltage, 120-277 volt	

704-SA dimensions

Designer Clean Room Troffer. 2' X 4', 2, 3, or 4-Lamp, T8



photometry

1' x 2' 2 Lamp

Efficiency – 74.4%

LER – 73

TER – 67

Catalog No.		Candlepower				Light Distribution				Average Luminance			
Test No.		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
S/MH						0-30	2984	25.7	34.6	45	5100	5263	5832
Lamp Type						0-40	4896	42.2	56.7	55	3925	3155	4115
Lumens/Lamp						0-60	7681	66.2	88.9	65	2589	1665	2625
Ballast Factor						0-90	8636	74.4	100.0	75	1929	1462	1956
Input Watts										85	1623	2522	1701
Comparative yearly lighting energy cost per 1000 lumens – \$3.29 based on 3000 hrs. and \$.08 pwr KWH.						Coefficients of Utilization							
The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.						EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)							
						pcc							
						pw							
						RCR							
						0							
						1							
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						10							



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Contact Factory for Additional Configurations.
Specifications are subject to change without notice.

Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org

