

Medical Exam Room Troffers

1x4, 2x2 and 2x4 Surface & Recessed Fluorescent Luminaires with RF Filtering

- **For use in Patient and Exam Rooms**
- **IP55 Rating**
- **RF Filtered Circuits Standard**
- **Symmetric Distribution with RF Shielded Lens Standard**
- **Antimicrobial Finish Standard**



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ORDERING GUIDE

Series	Installation	Material	Size	Lamps	Voltage	Circuits	Mounting	Options
ML								
ML	ER: Recessed <small>(suitable for flange and grid)</small>	3: White 430 SS Hsg. & Polished 304 SS Door	1x4: 1' x 4' Housing	2/T5: F28T5	120V 277V UNV 347V*	1/CIR 2/CIR 3/CIR	IND Individual CRM Continuous Row Mount CRM <i>available for flange fixtures only.</i>	FC: Fuse & Holder (One Supplied Per Circuit)
		4: White AL Hsg. & Polished 304 SS Door		2/T5HO: F54FTHO				EBL: -20F Electronic Ballast
		5: White AL Hsg. & White AL Door						1/EM: 1 Lamp EM (See Chart For Lamp Compatibility)
		2x2: 2' x 2' Housing OR 2x4: 2' x 4' Housing	2,3,4 or 6/T5: F14T5 2,3,4 or 6/T5HO: F24T5HO	SSP: Satin Polished Stainless Steel Doorframe				
				ASy: Asymmetric Distribution Lens with RF Shielding				
				GG: NSF Approved Seal-Pro Gasket				
ES: Surface		3: Polished 304 SS Hsg. & Polished 304 SS Door	1x4: 1' x 4' Housing	1,2, or 3/T5: F28T5				SW: Wet Location Hub Supplied (not installed)
		4: White AL Hsg. & Polished 304 SS Door		1,2, or 3/T5HO: F54FTHO				10KV: 10KV Parallel Surge Protection (One Supplied Per Circuit)
		5: White AL Hsg. & White AL Door						GTD: Generator Transfer Device
		2x2: 2' x 2' Housing OR 2x4: 2' x 4' Housing	2,3,4 or 6/T5: F14T5 2,3,4 or 6/T5HO: F24T5HO	WHIP: Must Specify Length and Wire Qty				

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SPECIFICATIONS

HOUSING: One piece, hole free, robotically seam welded housing has flattened, silicone sealed knockouts for a superior seal. Housings are available in .040" 3003 Aluminum or 20Ga 430 Stainless Steel. End to End Row Mounting for Flange Fixtures with CRM selection only.

DOOR FRAME: Inset door frame made from welded channels regresses into the housing to allow the neoprene gasket to seal to the housing. Door frame is hinged by aircraft cables and secures to housing with captive stainless steel pan head screws. Available in .040" 3003 Aluminum or 20Ga 430 Stainless steel

GASKETS: Closed cell 100% pure neoprene gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system.

LENS: Standard lens provided is an RF Shielded .125" thick Symmetric P12 Acrylic Lens. ASY option provides RF shielded Asymmetric distribution lens.

LAMPS: Suitable for most T5 and T5HO lamps. (By others).

ELECTRICAL: Standard Class P ballast - Electronic <10% THD, high performance rapid start universal voltage (120-277). See options for dimming ballasts. Multiple internal circuits are available for scene settings, each specified circuit is provided with an RFI filter that is tested to meet MIL-STD-461. Fixtures available with integral 90min Emergency backups and surge protection. Consult factory for additional options not listed.

REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

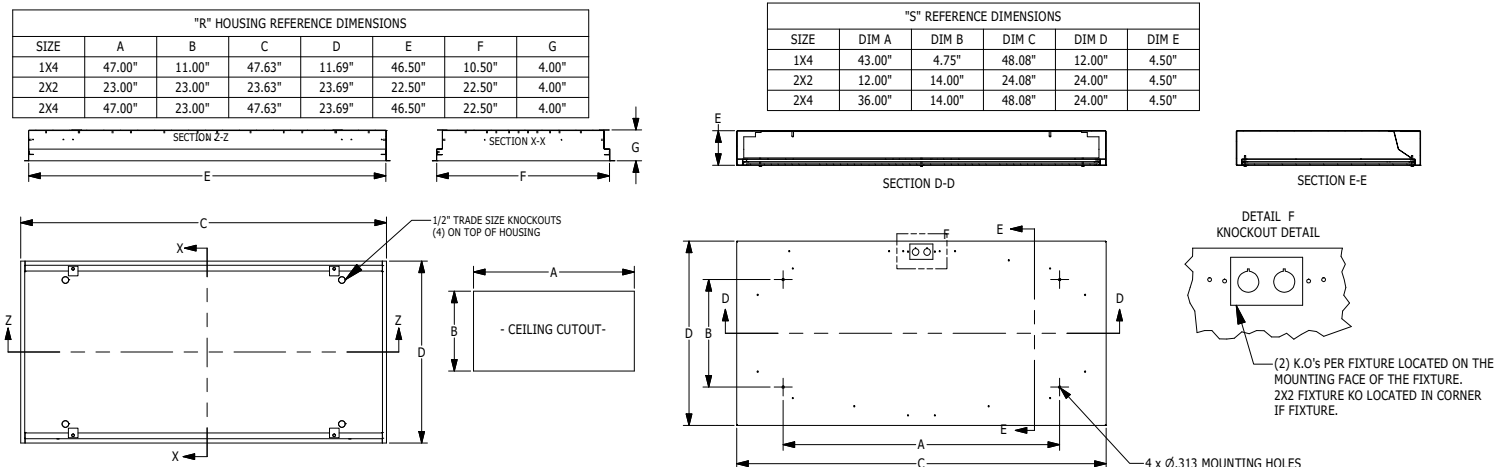
INSTALLATION: Fixtures are supplied with .875" flattened knockouts for supply entry. Recessed housings have (4) swing out toggle arms that are used to draw the fixture in to the ceiling for hard lid installation without the need for a yoke hanger. The toggle arm adjuster bolts are accessible from the room side of the luminaire and the actual toggles can be used as means of establishing a seismic support for lay in ceiling installations.

CRM: Continuous Row Mounting (CRM) option provides a means of securing luminaires to each other end to end in straight rows only. While all recessed luminaires are suitable for thru wiring, the CRM option is only available for Hard lid installation. CRM fixtures come with flanges on 2 of the 4 sides so that the luminaires can mount to each other without the appearance of a larger gap between the two fixtures. Endcaps are factory installed based upon customer provided row configuration information and the Ceiling cutouts can be determined as shown on the CRM installation instructions that can be found on our website.

DOOR FINISH: White Dupont Alesta using Agion silver ion antimicrobial powder coat finish standard. See options for polished stainless steel.

LISTINGS: Military Standard 461F compliant for conducted and radiated emissions. IP55 rated for dust and water ingress. UL listed per UL_1598 for wet locations. Chicago Plenum Rated. Certified ISO-14644-1 for class 5 through class 9 cleanspaces. Certified Fed Std 209E for Class 100 through Class 100,000 cleanspaces. NSF2 listed for non-food & splash zones. Electrical components covered under manufacturers warranty, the remaining fixture is covered by a 10

PRODUCT DRAWINGS



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ENERGY DATA

MEDICAL CHANNEL-FGS-FLUOR TROFFER				
ENCLOSURE SIZE	LAMP TYPE	LAMP QTY ¹	(1/EM) 1 LAMP EMERGENCY ²	MAX AMBIENT TEMP ³
1X4	F28WT5	1,2, OR 3	1050 Lm	40°C (104°F)
1X4	F54WT5HO	1,2, OR 3	1150 Lm	40°C (104°F)
2X2	F14WT5	2,3,4, OR 6	850 Lm	40°C (104°F)
2X2	F24WT5HO	2,3,4, OR 6	925 Lm	40°C (104°F)
2X4	F28WT5	2,3,4, OR 6	1050 Lm	40°C (104°F)
2X4	F54WT5HO	2,3,4, OR 6	1150 Lm	40°C (104°F)

- ¹ LAMPS SUPPLIED BY OTHERS
- ² TOTAL GENERATED LUMENS (FROM STD EM BALLAST SPECIFICATION SHEET) HIGHER LUMEN OPTIONS MAY BE AVAILABLE
- ³ TEMP RATING MAY VARY WITH ALTERNATE SPECIFIED BALLASTS OR ANY NON STANDARD SELECTION