

Cleanroom EL Troffers

1x4, 2x2 and 2x4 Fluorescent Luminaires

- **IP55 Rated**
- **Suitable for ISO5-9 Cleanspaces**
- **Suitable for FED 209E Class 100-100,000 Cleanspaces**
- **UL Listed for wet locations**
- **Channel inset doorframe**
- **Robotically seam welded housing**
- **Recessed Housing suitable for Tbar Grid and Hardlid Installations**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

| Series | Installation Type | Material | Size | Lamps | Voltage | Options |
|-----------|--|--|--|--------------------------|--|--|
| EL | | | | | | |
| EL | R: Recessed (suitable for flange and grid) | 3: White 430 SS Hsg. & Polished 304 SS Door | 1x4: 1' x 4' Housing | 2/T5: F28T5 | 120V 277V UNV 347V* | FC: Fuse & Holder (One Supplied Per Circuit) 2/EB: Two Ballasts (Two Circuits) EBL: -20F Electronic Ballast WHT: White Finished Door & HSG LEX: .125" Prismatic Polycarbonate A19: .156" Prismatic P19 Pattern Clear Acrylic HIA: .140" High Impact P12 Pattern Clear Acrylic TG: .156" Prismatic Tempered Glass SW: Wet Location Hub Supplied (not installed) 1/EM: 1 Lamp EM (See Chart For Lamp Compatibility) 10KV: 10KV Parallel Surge Protection (One Supplied Per Circuit) GTD: Generator Transfer Device WHIP: Must Specify Length and Wire Qty OCCMW: Internal microwave OCC Sensor GG: NSF Approved Seal-Pro Gasket |
| | | 4: White AL Hsg. & Polished 304 SS Door | | 2/T5HO: F54FTHO | | |
| | | 5: White AL Hsg. & White AL Door | | | | |
| | S: Surface | 2: White CRS Hsg. & Polished 304 SS Door | 2x2: 2' x 2' Housing OR 2x4: 2' x 4' Housing | 2,3,4 or 6/T5: F14T5 | | |
| | | 3: Polished 304 SS Hsg. & Polished 304 SS Door | | 2,3,4 or 6/T5HO: F24T5HO | | |
| | | 4: White AL Hsg. & Polished 304 SS Door | | | | |
| | S: Surface | 5: White AL Hsg. & White AL Door | 2x2: 2' x 2' Housing OR 2x4: 2' x 4' Housing | 2,3,4 or 6/T5: F14T5 | | |
| | | 6: White CRS Hsg. & White AL Door | | 2,3,4 or 6/T5HO: F24T5HO | | |

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SPECIFICATIONS

HOUSING: One piece, hole free, robotically seam welded housing has flattened knockouts for a superior seal. Recessed housings are available in .040" 3003 Aluminum or 20Ga 430 Stainless Steel. Surface housings are available in .040" 3003 Aluminum, 20Ga 430 Stainless Steel, or 20Ga 1008 Cold Rolled Steel.

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 Powder coated Alum. , 20Ga 304 Polished SS.

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

LENS: Impact resistant .135" thick virgin acrylic with P12 prismatic pattern inverted. See "Options" for other choices.

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 or Cold Temp Ballasts, Others available (must specify). Dual level switching available with 2/EB option

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

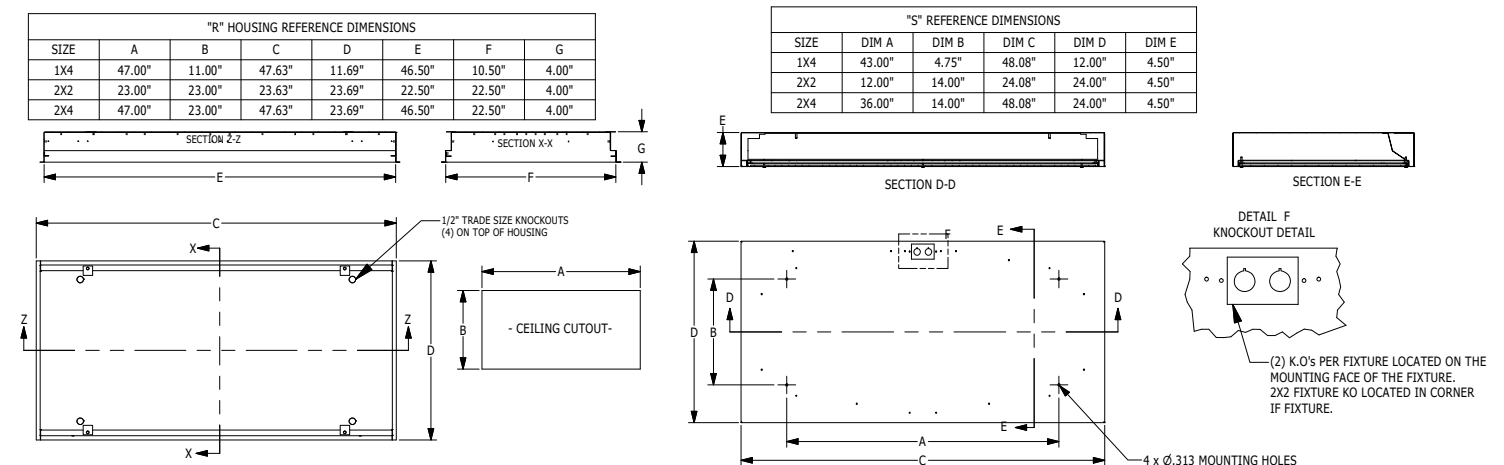
INSTALL RECESSED: One fixture suitable for Grid and Flanged installation. Accommodates 1" and 1.5" T-Bar Grid (Consult factory for 2" T-Bar Grid compatibility). Four adjustable toggle arms with holes for seismic support wire attachment. Supply entry via 1/2" trade size flattened knockouts. Non-IC installation

INSTALL SURFACE: Four .312" dia. mounting holes and a removable gasketed wiring access plate with Supply entry via 1/2" trade size flattened knockouts.

FINISH: Gloss white high reflectance 1000 hr. salt spray polyester powder coat finish standard for all housings. Stainless steel doorframes are satin polished unless option WHT is chosen.

LISTINGS: 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. Optionally NSF2 Listed for Non-Food Zones. Electrical components covered under manufacturers warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS



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ENERGY DATA

| 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