

Indoor Sports Troffers

1x4, 2x2 and 2x4 High Durability Fluorescent Luminaires

- **For handball, squash, racketball, and other indoor sports applications**
- **Optional "GDF" frame provides door with integral grill**
- **Polycarbonate lensing standard**
- **Recessed or surface mounting options available.**
- **Made in the USA by a Family Owned US Corporation**



GDF Option



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ORDERING GUIDE

Series	Installation Type	Material	Size	Lamps	Voltage	Options	
IS							
IS	R: 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*	FC: Fuse & Holder (One Supplied Per Circuit) 2/EB: Two Ballasts (Two Circuits) EBL: -20F Electronic Ballast WHT: White Finished Door & HSG A19: .156" Prismatic P19 Pattern Clear Acrylic HIA: .140" High Impact P12 Pattern Clear Acrylic TG: .156" Prismatic C73 Tempered Glass 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 GDF: CRS Door Frame with Integral Grill (Grid or Surface 2x2 or 2x4 only) TP: SS Tamperproof Fasteners (Torx Head) PMB: Pendant Mounting Bracket (Surface Housings Only)	
		4: White AL Hsg. & Polished 304 SS Door		2/T5HO: F54FTHO			
		5: White AL Hsg. & White AL Door					
	7: White AL Hsg. & White CRS Door	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				
S: Surface	1: White CRS Hsg. & White CRS Door	2: White CRS Hsg. & Polished 304 SS Door	1x4: 1' x 4' Housing	1,2, or 3/T5: F28T5			
				3: Polished 304 SS Hsg. & Polished 304 SS Door			1,2, or 3/T5HO: F54FTHO
				4: White AL Hsg. & Polished 304 SS Door			
	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				
	7: White AL Hsg. & White CRS Door						

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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 Cold Rolled Steel.

DOOR FRAME: One piece inset door frame with seam welds regressing flush into the housing while creating a seal. 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, or 18Ga 1008 Powder coated CRS. Optional CRS door frame with an integral grill available for Grid or Surface 2x2 or 2x4 housings

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

LENS: High durability .125" thick polycarbonate with P12 prismatic pattern inverted. Factory sealed to door with silicone. 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.

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

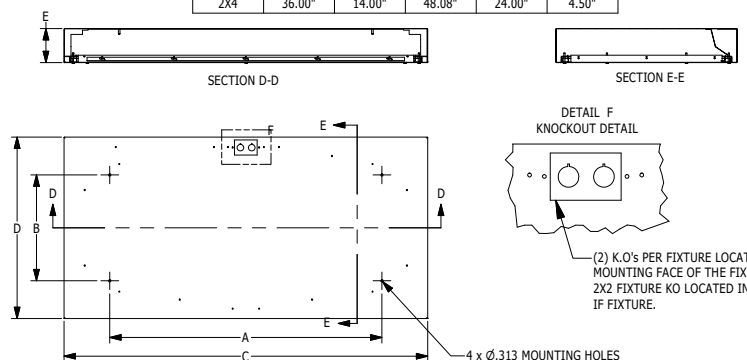
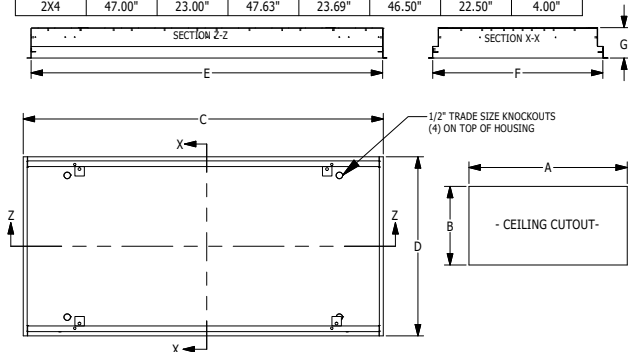
FINISH: Gloss white high reflectance 1000 hr. salt spray polyester powder coat finish standard for all recessed housings. Stainless steel doorframes and surface housings are satin polished unless option WHT is chosen.

LISTINGS: IP65 rated for dust and water ingress. Suitable for 1700 PSI high pressure hosesdowns. UL listed per UL_1598 for wet locations. Chicago Plenum Rated. Electrical components covered under manufacturers warranty, the remaining fixture is covered by a 10 year warranty.

PRODUCT DRAWINGS

"R" HOUSING REFERENCE DIMENSIONS							
SIZE	A	B	C	D	E	F	G
1X4	47.00"	11.00"	47.63"	11.69"	46.50"	10.50"	4.00"
2X2	23.00"	23.00"	23.63"	23.69"	22.50"	22.50"	4.00"
2X4	47.00"	23.00"	47.63"	23.69"	46.50"	22.50"	4.00"

"S" REFERENCE DIMENSIONS					
SIZE	DIM A	DIM B	DIM C	DIM D	DIM E
1X4	43.00"	4.75"	4.50"	12.00"	4.50"
2X2	12.00"	14.00"	24.08"	24.00"	4.50"
2X4	36.00"	14.00"	48.08"	24.00"	4.50"



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ENERGY DATA

ONE PIECE POLY INSET-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