KURTZON
SPECIFICATION GRADE LIGHTING
ILLUMINATING YOUR WORLD

PROJECT

DATE   TYPE

NOTES

REV: 01/28/2025

Vandal **Troffers**

Vandal Resistant High Abuse 1x4, 2x2 and 2x4 Fluorescent Luminaires

- **For Public Spaces**

- **IP65 Rated**

- **Rigid One Piece Inset Door sits flush with housing for tamper resistance**

- **Provided with SS Tamper resistant fasteners standard.**

- **Combined lensing thickness up to 3/8" thick.**

- **Robotically seam welded enclosure**

- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**

ORDERING GUIDE

Series	Installation Type	Material	Size	Lamps	Voltage	Lens: LED Side / Room Side	Options

VL

Series	Installation Type	Material	Size	Lamps	Voltage	Lens: LED Side / Room Side	Options
VL	**R: Recessed** (suitable for flange and grid)	**3:** White 430 SS Hsg. & Polished 304 SS Door **4:** White AL Hsg. & Polished 304 SS Door **5:** White AL Hsg. & White AL Door **7:** White AL Hsg. & White CRS Door	**1x4: 1' x 4' Housing** **2x2: 2' x 2' Housing** OR **2x4: 2' x 4' Housing**	**2/T5:** F28T5 **2/T5HO:** F54FTHO **2,3,4 or 6/T5:** F14T5 **2,3,4 or 6/T5HO:** F24T5HO	**120V** **277V** **UNV** **347V***	**Choose One Layer of Prismatic Lensing** **1:** .125" P12 Polycarbonate **2:** .140" P12 High Impact Acrylic **3:** .156" P12 Polycarbonate **4:** .156" P73 Tempered Glass **Choose One Layer of Non-Prismatic Lensing** **5:** .125" Clear Flat Polycarbonate **6:** .187" Clear Flat Polycarbonate **7:** .250" Clear Flat Polycarbonate	**FC:** Fuse & Holder (One Supplied Per Circuit) **2/EB:** Two Ballasts (Two Circuits) **EBL:** -20F Electronic Ballast **WHT:** White Finished Door & HSG **SW:** Wet Location Hub Supplied (not installed) **1/EM:** 1 Lamp EM (See Chart For Lamp Compatibility) **10KV:** 10KV Parallel Surge Protection (1 Per Circuit) **GTD:** Generator Transfer Device **WHIP:** Must Specify Length and Wire Qty **AH:** Allen Head SS tamperproof Fasteners **OCCMW:** Microwave Occupancy Sensor (Inside Fixture) **PMB:** Pendant Mounting Bracket (Surface Housings Only)
	S: Surface	**1:** White CRS Hsg. & White CRS Door **2:** White CRS Hsg. & Polished 304 SS Door **3:** Polished 304 SS Hsg. & Polished 304 SS Door **4:** White AL Hsg. & Polished 304 SS Door **5:** White AL Hsg. & White AL Door **6:** White CRS Hsg. & White AL Door **7:** White AL Hsg. & White CRS Door	**1x4: 1' x 4' Housing** **2x2: 2' x 2' Housing** OR **2x4: 2' x 4' Housing**	**1,2, or 3/T5:** F28T5 **1,2, or 3/T5HO:** F54FTHO **2,3,4 or 6/T5:** F14T5 **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 .050" 3003 Aluminum, 20Ga 430 Stainless Steel, or 20Ga Cold Rolled Steel.

DOOR FRAME: One piece seam welded inset door frame regresses flush into the housing. Door frame is hinged by aircraft cables and secures to housing with captive stainless steel torx pan head screws. Available in .040" 3003 Powder coated Alum. , 20Ga 304 Polished SS, or 18Ga Powder coated Cold Rolled Steel.

GASKETS: Closed cell microcellular extruded KleanLock SealPro gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system.

LENS: High durability minimum .125" thick polycarbonate with P12 prismatic pattern inverted. Factory sealed to door with silicone. Select up to (2) lenses, only (1) prismatic.

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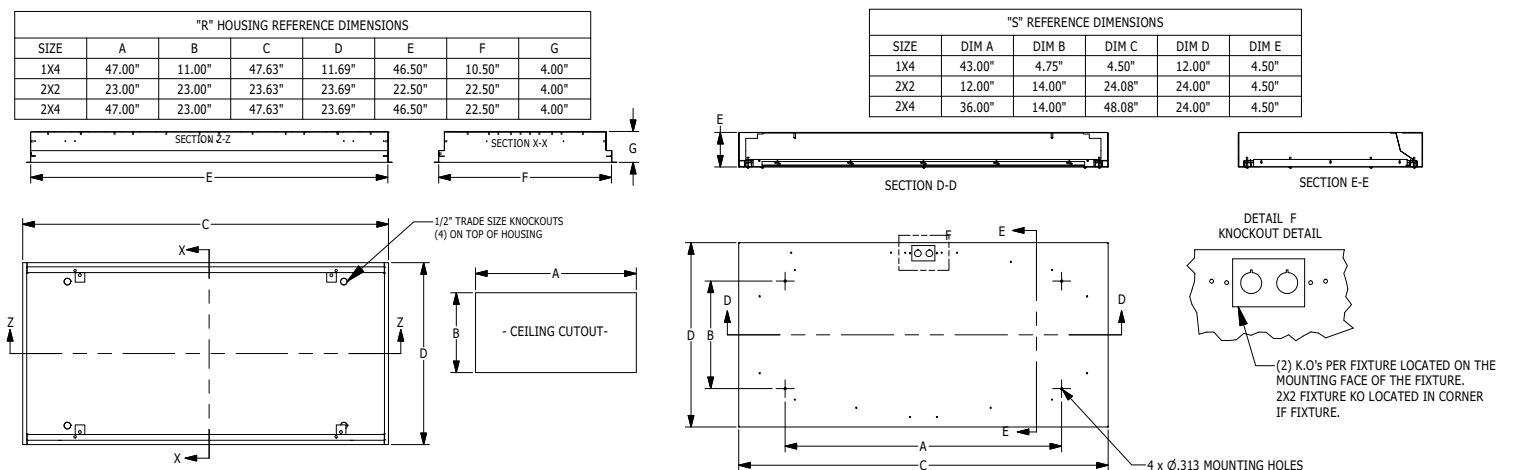
INSTALL RECESSED: One fixture suitable for Grid and Flanged installation. Accommodates 1" and 1.5" T-Bar Grid (Consult factory for 2" T-Bar Grid compatibility). Four adjustable toggle arms with holes for seismic support wire attachment. Supply entry via 1/2" trade size flattened knockouts.

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

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

LISTINGS: IP65 rated for dust and water ingress. Suitable for 1700 PSI high pressure hosedowns. 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. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

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"

1/2" TRADE SIZE KNOCKOUTS (4) ON TOP OF HOUSING

- CEILING CUTOUT-

DETAIL F KNOCKOUT DETAIL

(2) K.O's PER FIXTURE LOCATED ON THE MOUNTING FACE OF THE FIXTURE. 2X2 FIXTURE KO LOCATED IN CORNER IF FIXTURE.

4 x Ø.313 MOUNTING HOLES

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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