

# Cleanroom EL Troffers - 5 Day Quick Ship

2x2 and 2x4 High Efficiency LED Luminaires



- **IP55 Rated**
- **ETL listed for Wet Locations**
- **Suitable for ISO 5-9 Cleanspaces**
- **Suitable for FED Std 209E Class 100-100,000 Cleanspaces**
- **Recessed Housing Suitable for Tbar Grid And Hardlid Installations**
- **Channel Inset Door Frame**
- **Robotically Seam Welded Housing**
- **0-10v 1% Dimming Comes Standard**
- **DLC Premium Listings Available**
- **Made in the USA by a Family Owned US Corporation**
- **5 Day Quick Ship For Orders Under 25 Fixtures**



To See All DLC Listings, Visit [www.Kurtzon.com/DLC](http://www.Kurtzon.com/DLC)

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## ORDERING GUIDE

Series	Installation Type	Material	Size	Source	CCT	Voltage	Options	Quick Ship
<b>EL</b>	<b>R</b>							<b>5DQS</b>
Series	Installation Type	Material	Size	Source	CCT	Voltage	Options	Quick Ship
EL	R: Recessed	3: White 430 SS Hsg. & Polished 304 SS Door 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/LEDR 3/LEDR 4/LEDR	83 CRI: 835 = 3500K CCT 840 = 4000K CCT	120V 277V UNV	EM10: 10W Integral LED EM (Specify Input Voltage) EM20: 20W Remote LED EM (Specify Input Voltage) PxL: Programmed to User Specified Lumen Value.∞∞∞ PxW: Programmed to User Specified Wattage Value.∞∞∞ 10KV: 10KV Parallel Surge Protection (One Supplied Per Circuit)	5DQS: (5-Day Quick Ship)

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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.

**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.

**LEDS:** Commercially available in a wide variety of Color Temperature (CCT), FLUX, and CRI. Highly efficient and consistent color maintained to 3 SDMC for color critical applications. B50/L70 and compliant with Zhaga recognized hole patterns. Consult factory for LED options or configurations not listed below.

**DRIVERS:** Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

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

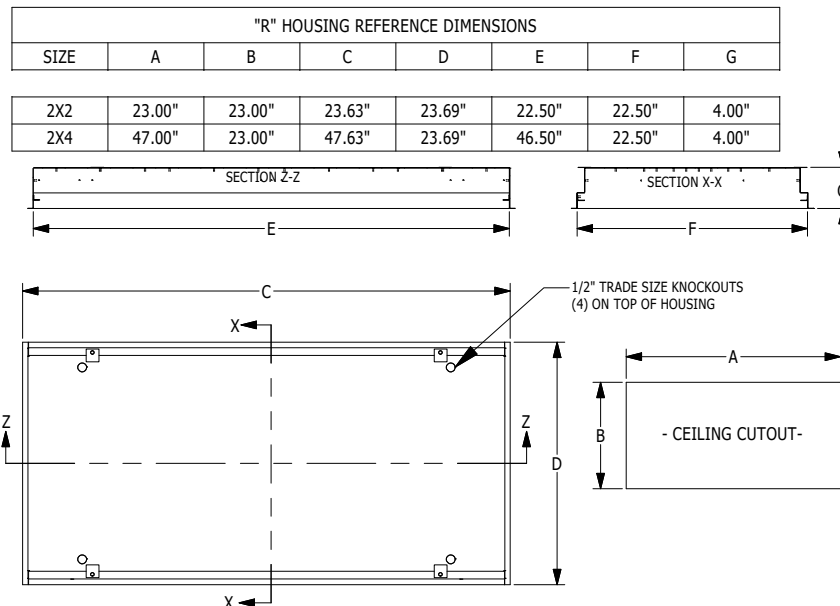
**INSTALL RECESSED:** One fixture suitable for Grid and Flanged installation. Accommodates 1" and 1.5" T-Bar Grid (Consult factory for 2" T-Bar Grid compatibility). Four adjustable toggle arms with holes for seismic support wire attachment. Supply entry via 1/2" trade size flattened knockouts. Non-IC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

**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. ETL 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. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty.

**5-DAY QUICK SHIP POLICY:** Quantity restriction of 25 fixtures. Once PO is received by 12:00 PM CST, shipping will occur within 5 business days. Standard freight applies. Expedited shipping to be paid by customer.

## PRODUCT DRAWINGS



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## ENERGY DATA

CHANNEL-FGRS-LED TROFFER (APPROX <sup>1</sup> LUMENS DELIVERED)						
ENCLOSURE SIZE	LIGHT PACKAGE	80 CRI (3000K - 5000K)				STANDARD DIMMING
		LUMENS	WATTS <sup>2</sup>	EFFICACY <sup>3</sup>	MAX AMB TEMP	
2X2	2LEDR	<b>4,684</b>	37	125	40°C (104°F)	0-10V 1%
2X2	3LEDR	<b>6,985</b>	55	127	40°C (104°F)	0-10V 1%
2X2	4LEDR	<b>9,199</b>	73	126	40°C (104°F)	0-10V 1%
2X2	EM10	1030-1220	4	NA	40°C (104°F)	NA
2X4	2LEDR	<b>9,625</b>	74	130	40°C (104°F)	0-10V 1%
2X4	3LEDR	<b>14,380</b>	111	129	40°C (104°F)	0-10V 1%
2X4	4LEDR	<b>18,780</b>	147	128	40°C (104°F)	0-10V 1%
2X4	EM10	1190-1280	4	NA	40°C (104°F)	NA

- <sup>1</sup> DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OPTIONS ARE CHOSEN
- <sup>2</sup> WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS
- <sup>3</sup> EFFICACY CALCULATED USING 4000K CCT DATA.
- <sup>4</sup> MAX AMBIENT TEMP RATING, NON-IC INSTALLATION. TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION
- <sup>5</sup> 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY.