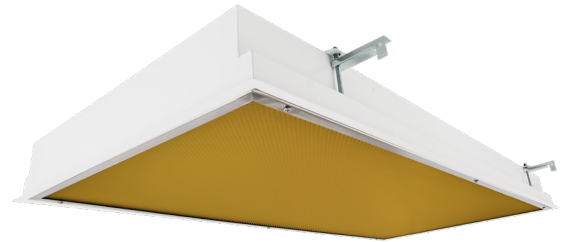


# Cleanroom EL Narrow Spectrum - 5 Day Quick Ship

2x2 and 2x4 Amber/White 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**
- **Narrow Spectrum Non Filtered 590nm True Amber LEDs**
- **Available With White/Amber Switching**
- **Made in the USA by a Family Owned US Corporation**
- **5 Day Quick Ship For Orders Under 25 Fixtures**



DISCLAIMER: Although KURTZON has prepared the information contained in this document with all due care, KURTZON does not warrant or represent that the information is free from errors or omission. While the information is considered to be true and correct at the date of publication, changes in circumstances after the time of publication may impact on the accuracy of the information. The information may change without notice and KURTZON is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

## ORDERING GUIDE

Series	Installation Type	Material	Size	Amber LED	White LED	CCT (White LED)	Voltage	Options	Quick Ship
<b>EL</b>	<b>R</b>								<b>5DQS</b>
Series	Installation Type	Material	Size	Amber LED	White LED	CCT (White LED)	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 MAX 4 Arrays Total OR 2x4: 2' x 4' Housing MAX 4 Arrays Total	1/YLED590 2/YLED590 3/YLED590 4/YLED590	1/LEDR 2/LEDR 3/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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2x2 and 2x4 Amber/White LED Luminaires

## 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:** Fixture available with Amber only or Amber & White LED's, each color will be supplied with its own driver for dual switching. Amber LED's provide a narrow 590nm spectrum for wavelength sensitive applications. White high efficiency LEDs are commercially available & in a wide variety of CRI and CCT. All boards have zhaga recognized hole patterns and come with a 5 year warranty.

**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. (each color LED comes standard with its own driver)

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

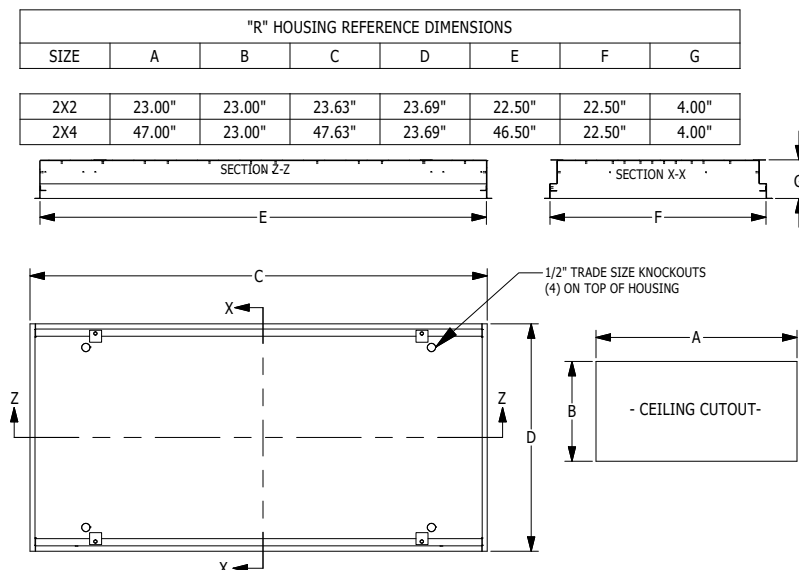
**INSTALL RECESSED:** One fixture suitable for Grid and Flanged installation. Accommodates 1" and 1.5" T-Bar Grid (Consult factory for 2" T-Bar Grid compatibility). Four adjustable toggle arms with holes for seismic support wire attachment. Supply entry via 1/2" trade size flattened knockouts. Non-IC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



# Cleanroom EL Narrow Spectrum - 5 Day Quick Ship

2x2 and 2x4 Amber/White LED Luminaires

## ENERGY DATA

CHANNEL-FGRS-AMBER LED TROFFER										
ENCLOSURE SIZE	LED SELECTION	DIMMING	83 CRI			590nm (AMBER)			AMBIENT TEMP RATING	
			LUMENS	WATTS	EFFICACY	LUMENS	WATTS	EFFICACY	MINIMUM	MAXIMUM <sup>3</sup>
2x2	1LED	0-10V 1%	2,300	19	121	NA			-20°C (-4°F)	40°C (104°F)
2x2	2LED	0-10V 1%	<b>4,684</b>	37.4	125				-20°C (-4°F)	40°C (104°F)
2x2	3LED	0-10V 1%	<b>6,985</b>	55.2	127				-20°C (-4°F)	40°C (104°F)
2X2	1YLED	0-10V 1%	NA			1,168	22	53	-20°C (-4°F)	40°C (104°F)
2X2	2YLED	0-10V 1%				2,337	43	54	-20°C (-4°F)	40°C (104°F)
2X2	3YLED	0-10V 1%				3,505	65	54	-20°C (-4°F)	40°C (104°F)
2X2	4YLED	0-10V 1%				4,673	86	54	-20°C (-4°F)	40°C (104°F)
2X4	1LED	0-10V 1%	4700	38	124	NA			-20°C (-4°F)	40°C (104°F)
2X4	2LED	0-10V 1%	<b>9,625</b>	74	130				-20°C (-4°F)	40°C (104°F)
2X4	3LED	0-10V 1%	<b>14,380</b>	111	129				-20°C (-4°F)	40°C (104°F)
2X4	1YLED	0-10V 1%	NA			2,482	44	56	-20°C (-4°F)	40°C (104°F)
2X4	2YLED	0-10V 1%				4,964	87	57	-20°C (-4°F)	40°C (104°F)
2X4	3YLED	0-10V 1%				7,446	130	57	-20°C (-4°F)	40°C (104°F)
2X4	4YLED	0-10V 1%				9,928	173	57	-20°C (-4°F)	40°C (104°F)

<sup>1</sup> DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MA  
<sup>2</sup> WATTAGE IS MEASURED WITH LED 840 SELECTION @ 120vAC AND Tambient = 25C. WATTAGES WILL VARY AND INCREASE WHEN ALTERNATE OPTOINS ARE SELECT  
<sup>3</sup> MAX AMBIENT TEMP RATING, NON-IC INSTALLATON. TEMP RATING IS WITH NO OTHER OPTOINS SELECTED. WHITE LEDS ONLY SUITABLE FOR 40C AMBIENT