

Cleanroom EL Corner Mount: EL-COR-LED

Linear Corner Mount High Efficiency LED Wet Location Luminaires

- **Rated IP55**
- **Suitable for ISO 5-9 Cleanspaces**
- **Suitable for 209E class 100-100,000 Cleanspaces**
- **ETL listed for Wet Locations**
- **Channel Inset Door Frame**
- **Robotically seam welded housing**
- **0-10v 1% Dimming Standard**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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. Whilst 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	Material	Size	Row Qty.	LED Type	CCT/CRI	Voltage	Optics	Options
EL-COR		40		LEDR				

Series	Material	Size	Light Source			Voltage	Optics	Options
			Row Qty.	LED Type	CCT/CRI			
EL-COR	1 White CRS Hsg. & White CRS Door	40 4' Housing	1	LEDR	83 CRI:	120V	P12ACR 0.135" P12 Prismatic Impact Resistant Acrylic (Inverted)	SW Wet Location Hub Supplied (not installed)
			2		830 3000K	277V	LEX 0.125" P12 Prismatic Polycarbonate (Inverted)	PxL * Programmed to User Specified Lumen Value.
	2 White CRS Hsg. & Polished 304 SS Door				835 3500K	UNV	A19 0.156" A19 Prismatic Impact Resistant Acrylic (Inverted)	PxW * Programmed to User Specified Wattage Value.
					840 4000K	347V*	TG 0.156" Prismatic Tempered Glass (Inverted)	10KV 10KV Parallel Surge Protection (One Supplied Per Circuit)
	3 White SS Hsg. & Polished 304 SS Door				850 5000K		HIA 0.140" P12 Prismatic High Impact Resistant Acrylic (Inverted)	STD Generator Transfer Device
							FROST 0.125" Flat Diffusing Frost Acrylic	WHIP Must Specify Length and Wire Qty
	4 White AL Hsg. & Polished 304 SS Door				90+ CRI:		2DBW 0.125" Flat Diffused Acrylic with Bi-Directional Batwing DISTRIBUTION	OCCMW Internal microwave OCC Sensor
					935 3500K		LBW 0.125" Flat Diffused Acrylic with Linear Batwing Distribution	FC Fuse & Holder (One Supplied Per Circuit)
					940 4000K		GH85 0.125" Flat Diffused Acrylic with Glare Suppression Distribution	EM10 10W Integral LED EM (Specify Input Voltage)
								EM20 20W Remote LED EM (Specify Input Voltage)
								EDL -40F Electronic Driver
								WHT White Finished Door
								AMW Anti-Microbial White Powdercoat
								2/ED Two Drivers/Two Circuits
							TP: Tonn Head SS Tamperproof Fasteners	
							AH: Allen Head SS Tamperproof Fasteners	
								Note*: Specify Value in Ordering Notes Below

Ordering Notes - If Applicable

Ordering Notes, If Applicable

Cleanroom EL Corner Mount: EL-COR-LED

Linear Corner Mount High Efficiency LED Wet Location Luminaires

SPECIFICATIONS

HOUSING: Hole free, robotically seam welded housing has flattened knockouts for a superior seal. Available in .040" 3003 Aluminum, 20Ga 430 Stainless Steel, or 20Ga 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 20Ga Powder Coated Cold Rolled Steel, 20Ga 304 Polished SS.

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

OPTICS: Standard P12 prismatic acrylic lens is provided when no other options are selected. All prismatic lensing options come with an inverted lens so the smooth side faces the room for easy cleaning. Other optics are available, consult factory for more information or options not listed.

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% and rated -20C (-4F). 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.

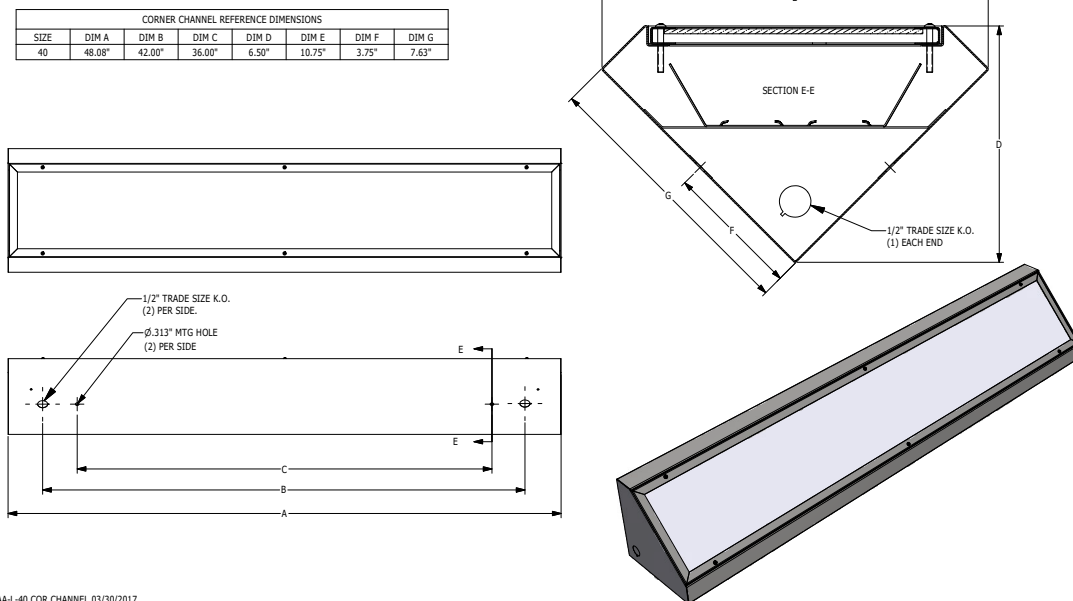
REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

INSTALL SURFACE: Four .312" holes for surface mounting. Knockouts provided for conduit entry. Suitable for through wiring. Suitable for surface installation onto covered ceiling only.

FINISH: Stainless steel door frames are satin polished unless WHT or AMW options are selected. All other materials are provided with gloss high reflectance white polyester powder coat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat to all exposed surfaces.

LISTINGS: IP55 rated for dust and water ingress. ETL listed per UL_1598 for wet locations. Certified ISO-14644-1 for class 5 through class 9 cleanspaces. Certified Fed Std 209E for Class 100 through Class 100,000 cleanspaces. NSF2 Listed for non-food & splash zones. Drivers and LEDs are covered by a 5 year 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



06-AA-L-40 COR CHANNEL 03/30/2017

Cleanroom EL Corner Mount: EL-COR-LED

Linear Corner Mount High Efficiency LED Wet Location Luminaires

ENERGY DATA

CHANNEL DOOR CORNER MOUNT SURFACE FIXTURE										
ENCLOSURE SIZE	LED SELECTION	STANDARD DIMMING	83 CRI (3000K - 5000K)				90+ CRI (3500K - 4000K)			
			LUMENS ¹	WATTS ²	EFFICACY ³	MAX AMB TEMP ⁴	LUMENS ¹	WATTS ²	EFFICACY ³	MAX AMB TEMP ⁴
40	1LED R	0-10V 1%	3,300	30	110	40°C	2,699	32	84	40°C
40	2LED R	0-10V 1%	6,216	56	111	40°C	5,085	58	88	40°C
40	EM10 ⁵	NA	1100-1110	4	NA	35°C	840-880	4	NA	35°C

¹ DELIVERED LUMEN DATA IS EXTRAPOLATED FROM MEASURED DATA @25C WITH NO EXTRA OPTIONS. VARIANCES WILL OCCUR WHEN OTHER SELECTIONS ARE MADE

² WATTAGE IS MEASURED WITH 4000K SELECTION @ 120vAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

³ EFFICACY CALCULATED USING 4000K CCT DATA.

⁴ MAX AMBIENT TEMP RATING. TEMP RATING MAY VARY WITH ALTERNATE SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION

⁵ 90 MINUTE 10W EMERGENCY DRIVER; LUMENS CALCULATED BASED ON FIXTURE EFFICACY.

PHOTOMETRICS

P12 PRISMATIC

Key:

