

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**
- **BAA Compliant & Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

Series	Material	Size	Row Qty.	LED Type	CCT/CRI	Voltage	Optics	Options
EL-COR		40		LEDR				
Series	Material	Size	Row Qty.	LED Type	CCT/CRI	Voltage	Optics	Options
EL-COR	1 WhiteCRSHsg.&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. & Polished304SSDoor		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)	
			850 5000K			HIA 0.140" P12 Prismatic High Impact Resistant Acrylic (Inverted)	GTD Generator Transfer Device	
	3 White SS Hsg. & Polished304SSDoor		FROST 0.125" Flat Diffusing Frost Acrylic		WHIP Must Specify Length and Wire Qty			
			90+ CRI:			2DBW 0.125" Flat Diffused Acrylic with Bi-Directional Batwing DISTRIBUTION	OCCMW Internal microwave OCC Sensor	
	4 White AL Hsg. & Polished304SSDoor		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: Torx Head SS Tamperproof Fasteners				
				AH: Allen Head SS Tamperproof Fasteners				

NOTE: P12ACR option is standard and will be provided when no other option is selected

Note*: Specify Value in Ordering Notes Below

Ordering Notes, If Applicable

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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.

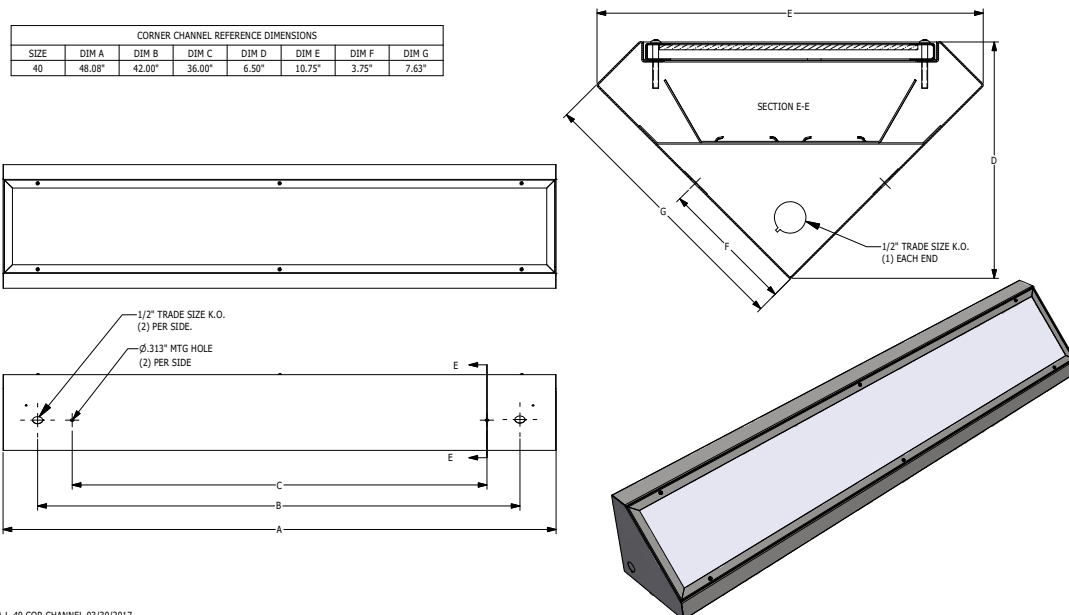
REFLECTOR: Die formed metal with high reflectance white polyester powder coat finish. Typical reflectivity 92%.

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 is Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS



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

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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	1LEDR	0-10V 1%	3,300	30	110	40°C	2,699	32	84	40°C
40	2LEDR	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:

