

CLEL

**SURFACE MOUNT
LED TUBE CLEAN ROOM**



The **CLEL** provides a supplemental, asymmetric/symmetric clean room lighting solution and has a hole-free design and is enclosed and gasketed to protect against infiltration of particles and airborne bacteria. The sealed housing and door frame allow relamping without contamination of the clean areas. CLEL is available in 1x4, 2x2, and 2x4 sizes. Available options such as anti-microbial paint, and wet location. MILSTD 461G available, NSF listed, and suitable for ISO Class 5 - 8 clean rooms.

HOUSING: Die-formed heavy gauge steel. Seam-welded construction. Stainless steel or aluminum options. All doors attached to the housing with two stainless steel aircraft cables. Stainless steel Philips head screws painted to match door finish to secure door frame to housing. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Antimicrobial paint optional.

DOORFRAME: 18-gauge CRS, one-piece inset construction corners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. Antimicrobial finish optional.

ELECTRICAL SYSTEM: Electronic, standard 0-10V, 1% and 10% dimming.

OPTICAL SYSTEM: One-piece asymmetric/symmetric acrylic diffuser. RFI 3/8" square metal grid, grounded to the housing. Other lenses available, refer to Ordering Information.

MOUNTING: Surface Mount. The CLEL has a gasket between surface and fixture housing.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >100,000 hours at 70% lumen maintenance. Red (630nm) and Green (520nm) LEDs also available, consult factory.

DOORFRAME GASKET: One-piece neoprene gasket seals doorframe to housing.

LISTINGS: ETL Listed. Design conforms to the basic requirements of NSF. Food Safe. Wet Location Optional. BAA and BABA compliant.

WARRANTY: 5 - Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty.

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ORDERING INFORMATION:

Example: CLEL-24-40-6-32-WT-12W-B18-INA-AS

SERIES		SIZE		CCT		NUMBER OF LAMPS		LAMP REPLACEMENT		WIRE APPLICATION		LED	
CLEL		14	1x4	30	3000K	1	1 Lamp	17	17W T8	BLANK	Single Ended Wiring*	LED	LED Lamps
		22	2x2	35	3500K	2	2 Lamps	28T8	28W T8	DE	Double Ended Wiring**	WT	With Tubes
		24	2x4	40	4000K	3	3 Lamps	28T5	28W T5				Included
				50	5000K	4	4 Lamps	32	32W T8				
						6	6 Lamps	54	54W T5HO				
						XX	Custom						

OUTPUT OPTIONS		HOUSING		DOOR FRAME		DOOR FRAME TYPE	
10W	10 Watt. Available in 24" (1200L) or 48" (1450L)	B20	20 Gauge Cold Roll Steel	B18	18 Gauge Cold Roll Steel	INS	Inset Door
12W	12 Watt. Available in 24" (1350L) or 48" (1500L)	B18	18 Gauge Cold Roll Steel	SH18	18 Gauge Stainless Steel (Polished 304)	OVL	Overlap Door
15W	15 Watt. Available in 36" or 48" (1800L)	SH186	18 Gauge Stainless Steel (Polished 316)	SH186	18 Gauge Stainless Steel (Polished 316)		
18W	18 Watt, 48". (2200L)	SHP18	18 Gauge Stainless Steel (Painted 304)	SHP18	18 Gauge Stainless Steel (Painted 304)		
20W	20 Watt, 48". (2400L)	SHP186	18 Gauge Stainless Steel (Painted 316)	SHP186	18 Gauge Stainless Steel (Painted 316)		
		SHB18	18 Gauge Stainless Steel (Brushed 304)	SHB18	18 Gauge Stainless Steel (Brushed 304)		
		SHB186	18 Gauge Stainless Steel (Brushed 316)	SHB186	18 Gauge Stainless Steel (Brushed)		
		ALH	.063" Aluminum (Painted)	ALH	.063" Aluminum (Painted)		

LENS		CIRCUITS		OPTIONS	
AS	Asymmetric/Symmetric Lens with .020 opal diffusing overlay.*	1	1 Circuit	14EBL	14 Watt Emergency Ballast
ASR	Asymmetric/Symmetric Lens with RFI grid with .020 opal diffusing overlay.*	2	2 Circuits	EEMRA	Emergency installed for room-side access
A125	Pattern 12 acrylic, 0.125" thick, inverted.*			MSBA	Mounting Safety Brackets (4) with hardware
89BC	0.125" thick KSH19 RFI Symmetrical Lens*			CHP	Continuous piano hinge
SY	Symmetric Diffused Frosted DR Acrylic			MIL1	MILSTD 461G compliant 1,2,3,4 one filter for single component
S	Satin Lens			MIL2	MILSTD 461G compliant 1,2,3,4 two filter's for dual circuits
125P	.125 Clear Polycarbonate			MIL3	MILSTD 461G compliant 1,2,3,4 three filter's for 3 circuits
A12	.125 Clear Acrylic			AM	Anti-microbial Paint
				WL	Wet Location

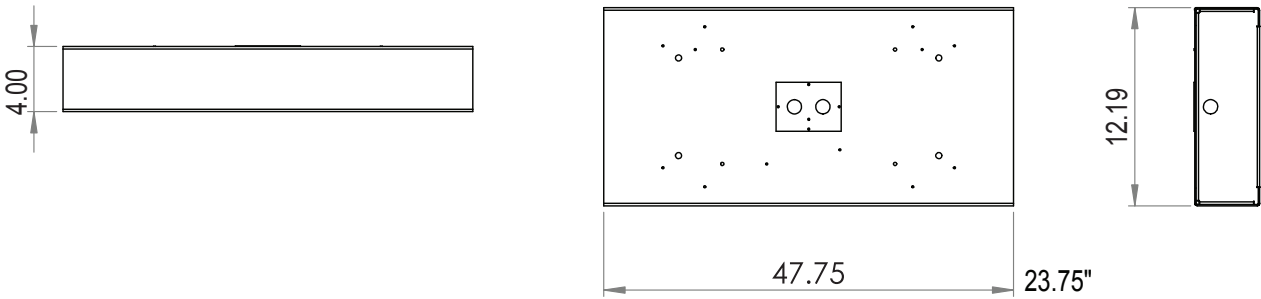
*(Add "C" to the end of lens to include 0.125 clear acrylic underlay. EX: 89BCC)

Other options and configurations are available. Consult factory for details.

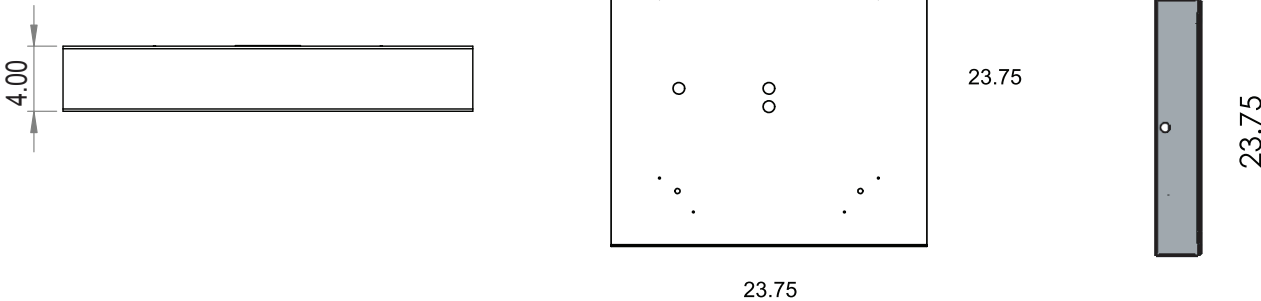
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DIMENSIONS

1X4



2X2



2X4

