

CLE SURFACE MOUNT LED CLEAN ROOM



The **CLE** is a surface mount IC-rated luminaire that provides a cost-effective LED clean room lighting solution. Gasketed housing and door frame create a sealed enclosure. The CLE is available in 1x4, 2x2, and 2x4 sizes. Available options such as anti-microbial paint, and wet location. MILSTD 461G available, NSF listed. Inset doorframe suitable for biosafety labs rated BSL 1 and 2, overlap doorframe suitable for biosafety labs rated BSL 3 and 4. NSF/ANSI 2 Food Zone, Splash Zone and Non-Food Zone

HOUSING: Housing constructed in choice of cold roll steel, stainless steel, or marine grade aluminum. Seam-welded construction. All doors attached to the housing with two stainless steel aircraft cables. Stainless steel Philips head screws secure door frame to housing. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Anti-microbial paint optional.

DOORFRAME: Inset or overlap doorframe in choice of cold roll steel, stainless steel, or marine grade aluminum. 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 stainless steel fasteners (Torx available as an option).

ELECTRICAL SYSTEM: Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 45°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: Various lens options available, refer to ordering information. RFI 3/8" square metal grid, grounded to the housing.

LISTINGS: Approved to CSA and ETL standards. ETL listed for wet location. NSF Listed. Food Safe. IP65 rated with inset doorframe, IP66 rated with overlap doorframe. Inset doorframe suitable for biosafety labs rated BSL 1 and 2, overlap doorframe suitable for biosafety labs rated BSL3 and 4. Suitable for ISO 3 Cleanrooms.

MOUNTING: Surface Mount luminaire.

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: Neoprene gasket seals doorframe to housing.

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

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ORDERING INFORMATION:

Example: CLE-22-35-12L-B20-B18-INS-SY-M-1-90

SERIES	SIZE	CCT	ILLUMINATION LEVEL	HOUSING	DOOR FRAME	DOOR FRAME TYPE
CLE	14 1X4	27 2700K	4L 4000 Lumens	B20 20 Gauge Cold Roll Steel	B18 18 Gauge Cold Roll Steel	INS Inset Door
	22 2X2	30 3000K	7L 7000 Lumens	B18 18 Gauge Cold Roll Steel	SH18 18 Gauge Stainless Steel (Polished 304)	OVL Overlap Door
	24 2X4	35 3500K	11L 11000 Lumens	SH18 18 Gauge Stainless Steel (Polished 304)	SH186 18 Gauge Stainless Steel (Polished 316)	
		40 4000K	12L 12000 Lumens	SH186 18 Gauge Stainless Steel (Polished 316)	SHP18 18 Gauge Stainless Steel (Painted 304)	
		50 5000K	13L 13000 Lumens	SHP18 18 Gauge Stainless Steel (Painted 304)	SHP186 18 Gauge Stainless Steel (Painted 316)	
		ATTW Tunable White	15L 15000 Lumens	SHP186 18 Gauge Stainless Steel (Painted 316)	SHB18 18 Gauge Stainless Steel (Brushed 304)	
			16L 16000 Lumens	SHB18 18 Gauge Stainless Steel (Brushed 304)	SHB186 18 Gauge Stainless Steel (Brushed)	
			20L 20000 Lumens	SHB186 18 Gauge Stainless Steel (Brushed 316)	ALH .063" Aluminum (Painted)	
			25L 25000 Lumens	ALH .063" Aluminum (Painted)		
			30L 30000 Lumens			
		XX Custom Lumens				

INNER LENS	VOLTAGE	DRIVER OPTIONS	CIRCUITS	OPTIONS
PA19 .156" Prismatic Acrylic #19	M Multi-Volt (120-277VAC)	BLANK 0-10V Dimming Driver (included standard)	1 1 Circuit	14EBL 14 Watt Emergency Driver
PA125 .125 Prismatic Acrylic (inverted)	HV 347-480VAC	CD5 0-10V 5% to Off Dimming Driver	2 2 Circuits	MIL1 MILSTD 461G compliant, 1 Driver ¹
PA156 .156 Prismatic Acrylic (inverted)		EDN Electronic Driver Non-Dimming		MIL2 MIL STD 461G compliant, 2 Driver
PA187 .187 Prismatic Acrylic (inverted)		DALI 1% Dali Dimming Driver		90 90 CRI
PP125 Prismatic Inner with .125 Clear Outer Polycarbonate		LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		AM Anti-Microbial White Paint (N/A on SH18 and SHB18 Doorframes)
SY Symmetric Diffused Frosted DR Acrylic		2TW1 2 Channel 0-10v Tunable White 1% Dimming Driver*		VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing)
125P .125 Clear Polycarbonate		2TWCS 2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**		TRX T25 Torx Head Screws with Center Pin Reject
250P .250 Clear Polycarbonate				RFIF1 RFI Filter, 1 Circuit
CPOL Clear .125 Polycarbonate Outer Lens				RFIF2 RFI Filter, 2 Circuit
CPOL250 Clear .250 Polycarbonate Outer Lens				

*Prewired with Tunable White LED boards and (2) 0-10v drivers installed
 **Prewired with Tunable White LED boards and Casambi ready fixture control

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

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ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	80 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

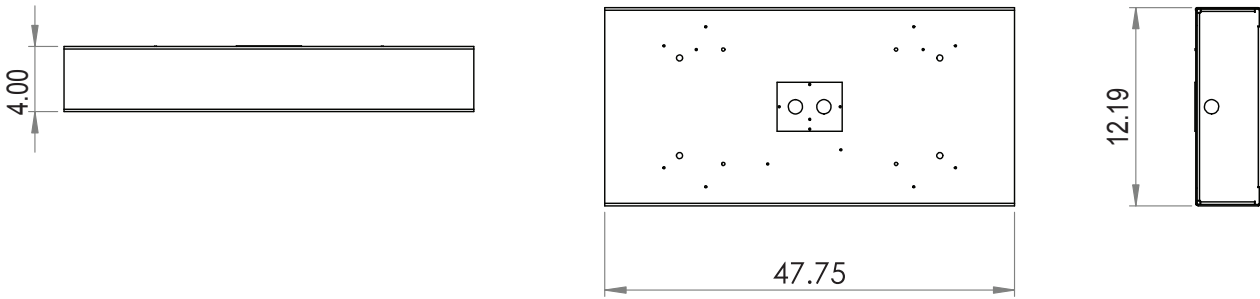
5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

OUTPUT	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	156.3	>100K

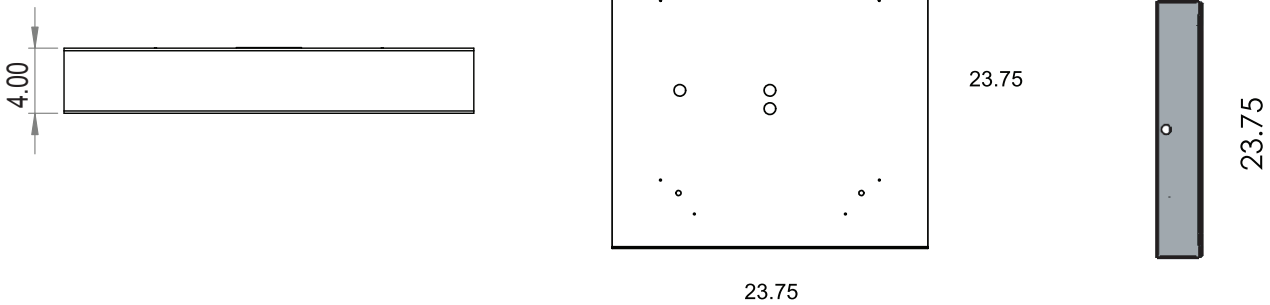
*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

DIMENSIONS

1X4



2X2



2X4

