



Catalog
Number

Project

Type

CLEL

Surface Mount LED Tube Clean Room



STANDARD

OPTIONAL



DESCRIPTION

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.

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.

LISTINGS

UL Listed. NSF listed. Food Safe. Wet Location Optional.

MOUNTING

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

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 Phillips 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.

WARRANTY

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

DOORFRAME GASKET

One-piece closed cell silicone gasket seals door-frame to housing.

SERIES	NUMBER OF LAMPS	LAMP REPLACEMENT	WIRE APPLICATION	LED
CLEL1	1x4	1 1 Lamp 17 17W T8	BLANK Single Ended Wiring*	LED LED Lamps
CLEL2	2x2	2 2 Lamps 28T8 28W T8	DE Double Ended Wiring**	WT With Tubes Included
CLEL24	2x4	3 3 Lamps 28T5 28W T5		
		4 4 Lamps 32 32W T8 54 54W T5HO		

WT WATTAGE OPTIONS	WT COLOR TEMP	HOUSING	DOOR TYPE
10W 10 Watt (available in 24" or 36")	30 3000K	B18 18 Gauge Cold Roll Steel	INS20 20 Gauge Inset Door, Die-formed steel Inset
12W 12 Watt (available in 48")	40 4000K	B20 20 Gauge Cold Roll Steel	INA Door, Die-formed aluminum
15W 15 Watt (available in 36" or 48")	50 5000K	SHB20 20 Gauge Stainless Steel Brushed	INSSP Inset Door, Die-formed stainless steel
18W 18 Watt (available in 48")		SH20 20 Gauge Stainless Steel	INSSB Inset Door, Die-formed stainless steel, Brushed
20W 20 Watt (available in 48")		A20 .063 Gauge Aluminum	

LENS	OPTIONS
AS Asymmetric/Symmetric Lens with .020 opal diffusing overlay.*	12EBL 1200 Lumen Emergency Ballast
ASR Asymmetric/Symmetric Lens with RFI grid with .020 opal diffusing overlay.*	EMRA 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 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 Poly	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)

Notes on next page...

NOTES

1. Thermal protectors installed on side of fixture, located approximately 2 1/4" inches from bottom of fixture. (See thermal protector table and detail below). ** Please specify voltage in the catalog ordering logic.
2. ASR or 89BC lens options must be used for MILSTD 461G compliance.
3. EL7W and EL14W not available with MILSTD 461G.
4. MILSTD 461G is the latest MILSTD version. MILSTD 461G supercedes all other versions (A-F).

DIMENSIONS

