

CLTWG

Top Access LED Clean Room For Walkable Grid Systems



STANDARD



OPTIONAL



SPECIFICATIONS

DESCRIPTION

The CLTWG is a top-access LED Clean Room luminaire designed for walkable clean room grid ceiling systems. 600lb load tested to reduce the hazard of foot traffic. Created for use in Cleanrooms, Laboratories, Commercial Kitchens, Food Processing Facilities, Hospitals, Manufacturing, and areas where a walkable grid system is in place. The CLT is completely customizable with your choice of housing, doorframe, and lensing materials. Utilizing the latest in LED technology, the CLT provides an extremely long lifespan, and some of the highest efficacy LEDs on the market today.

HOUSING

Housing options available in cold roll steel, stainless steel, and aluminum variations. Seam-welded construction. All doors attached to the housing with two stainless steel aircraft cables, and are completely sealed with closed cell gaskets. Stainless steel Philips head screws painted to match door finish to secure door frame to housing. White TGIC polyester powder coat standard. Anti-microbial paint optional. Housing top attached with internal piano hinge and opens with stainless steel latches. Closed-cell gasket prevents air contaminations from entering through the housing top.

DOORFRAME

Cold Roll Steel, Stainless Steel, or Aluminum options. White TGIC polyester powder coat standard, with optional Anti-Microbial Paint. Overlap doorframe lays in the grid and is sealed to grid with closed-cell gasket. Closed-cell gasket completely seals the doorframe and the housing.

ELECTRICAL SYSTEM

Electronic 1% dimming driver standard, 120/277V applications. Various driver options available.

OPTICAL SYSTEM

A variety of lensing options are available to fit the needs of any application.

LISTINGS

Approved to CSA and UL standards.
 ISO4 Rated.
 UL listed.
 NSF Listed.
 Food Safe
 IP65 ratings

MOUNTING

Recessed Grid mounting into walkable clean room grid systems. Supported by 3/8 all thread suspension on all 4 corners (supplied by others).

LENS

Various lensing options available. Additional lensing options available, consult factory. Lenses inverted to smooth side out.

LED

80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is 100,000 hours at 70% lumen maintenance. LM79, LM80 and TM21 compliant. Custom lumen outputs available up to 25,000 lumens.

WARRANTY

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

DOORFRAME GASKET

One-piece closed cell gasket seals doorframe to housing.

Output	Delivered Lumens*	System Wattage	L70 @20C (hrs)
SL	4650	33	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

* Delivered Lumens shown were tested with 4000K LEDs

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

ORDERING INFORMATION

Example: CLTWG4-40-ML-B20-B18-PA125-M

Custom Lumens Example: CLTWG4-40-ML-B20-B18-PA125-M-7000 for 7000 lumens.

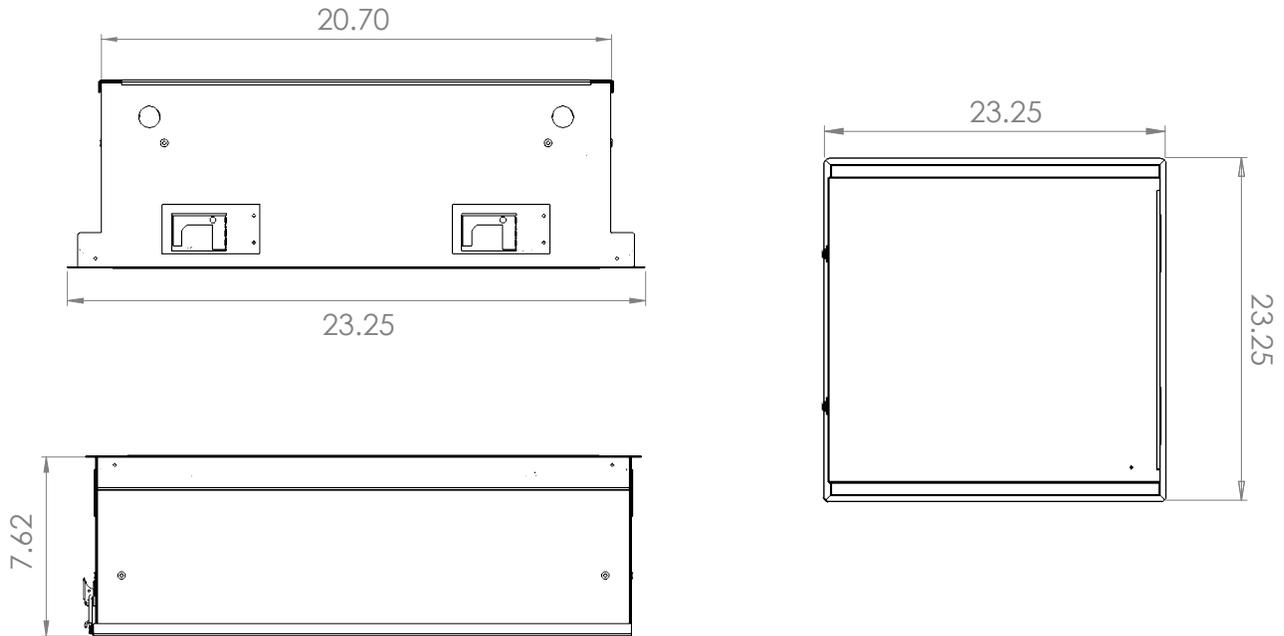
Series		CCT		Illumination Level		Housing	
CLTWG22	2x2	27	2700K	SL	Standard Low	B16	16 Gauge Cold Roll Steel
CLTWG24	2x4	30	3000K	ML	Medium Low	B18	18 Gauge Cold Roll Steel
		35	3500K	HL	High Low	B20	20 Gauge Cold Roll Steel
		40	4000K	SM	Standard Medium	SH16	16 Gauge Stainless Steel
		50	5000K	MM	Medium Medium	SH18	18 Gauge Stainless Steel
				HM	High Medium	SHB18	18 Gauge Stainless Steel (Brushed)
				SH	Standard High	ALH	.063 Aluminum
				MH	Medium High		
				HH	High High		

Door Type		Lens	
B16	16 Gauge Cold Roll Steel	A125	.125 Clear Acrylic
B18	18 Gauge Cold Roll Steel	125P	.125 Clear Polycarbonate
SH16	16 Gauge Stainless Steel	187P	.187 Clear Polycarbonate
SH18	18 Gauge Stainless Steel	250P	.250 Clear Polycarbonate
SHB18	18 Gauge Stainless Steel (Brushed)	PA125	.125 Prismatic Acrylic
ALH	.063" Aluminum	PA156	.156 Prismatic Acrylic
		PP125	.125 Prismatic Polycarbonate
		PP187	.187 Prismatic Polycarbonate
		PHA125	.125 Prismatic High Impact Acrylic
		PHA140	.140 Prismatic High Impact Acrylic
		CTG187	.187 Clear Tempered Glass
		CTG/PA	Clear Tempered Glass with Prismatic Acrylic Overlay
		WTA	White Translucent Acrylic .080 Lens
		WTP	White Translucent Polycarbonate
		SY	Symmetric Diffused DR Acrylic

Voltage		Driver		Circuits		Options	
M	120/277V	BLANK	0-10V Dimming Driver (included standard)	1	1 Circuits	12EBL	1200 Lumen Emergency Ballast
		CD5	0-10V 5% to Off Dimming Driver	2	2 Circuits	90	90 CRI
		EDN	Electronic Driver Non-Dimming			AM	Anti-Microbial Paint
		FLDD	Fifth Light Dali, Dimming			VDO	Lutron Vive Integral RF Controller with Daylight and Occupancy Sensing
		LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology			TRX	Torx Head Screws with Center Pin Reject
		LDE5	Lutron LDE5 5-Series Ecosystem 5% Dimming				

DIMENSIONS

2X2



2X4

