ADVANTAGE ENVIRONMENTAL LIGHTING

MADE IN THE USA

CATALOG #:

PROJECT:

TYPE:

CLT TOP ACCESS LED CLEAN ROOM

CLEANROOM LED LUMINAIRES

NEW Advantage Tune Available*

The **CLT** is a top-access LED Clean Room luminaire crafted to be one of the highest quality clean room fixtures on the market. Created for use in Cleanrooms, Laboratories, Commercial Kitchens, Food Processing Facilities, Hospitals, Manufacturing, and areas where an ISO4 rated clean room luminaire is needed. 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.

DOORFRAME: Cold Roll Steel, Stainless Steel, or Aluminum options. White TGIC polyester powder coat standard, with optional Anti-Microbial Paint. Door-frame secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. Neoprene gasket completely seals the doorframe and the housing.

DOORFRAME GASKET: Neoprene gasket seals doorframe to housing.

ELECTRICAL SYSTEM: Electronic 1% dimming driver standard. 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 ETL standards. ISO4 Rated. ETL listed. NSF Listed. Food Safe. IP65 ratings.

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

MOUNTING: Recessed Grid or Flanged mounting options available. Additional custom mounting options available, consult factory.

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 neoprene 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.

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.

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

Ordering Information on Next Page

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ORDERING INFORMATION:
Example: CLT-22-40-13L-B20-B20-250P-M-1-90

SERIES

CLT

CLT-F
(for FLANGE mounintg)

CLT-G
(for GRID mounintg)

SIZE

22	2X2
24	2X4

CCT

27	2700K
30	3000K
35	3500K
40	4000K
50	5000K
ATTW	Tunable White

ILLUMINATION LEVEL

4L	4000 Lumens
7L	7000 Lumens
11L	11000 Lumens
12L	12000 Lumens
13L	13000 Lumens
15L	15000 Lumens
16L	16000 Lumens
20L	20000 Lumens
25L	25000 Lumens
XX	Custom Lumens

HOUSING

B16	16 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
B20	20 Gauge Cold Roll Steel
SH16	16 Gauge Stainless Steel
SH18	18 Gauge Stainless Steel
SHB18	18 Gauge Stainless Steel (Brushed)
ALH	.063 Aluminum

DOOR MATERIAL

B16	16 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
B20	20 Gauge Cold Roll Steel
SH16	16 Gauge Stainless Steel
SH18	18 Gauge Stainless Steel
SHB18	18 Gauge Stainless Steel (Brushed)
ALH	.063 Aluminum

LENS

A125	.125 Clear Acrylic
125P	.125 Clear Polycarbonate
187P	.187 Clear Polycarbonate
250P	.250 Clear Polycarbonate
PA125	.125 Prismatic Acrylic
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 Frosted DR Acrylic

VOLTAGE

M	Multi-Volt (120-277VAC)
HV	347-480VAC

DRIVER OPTIONS

BLANK	0-10V Dimming Driver (included standard)
CD5	0-10V 5% to Off Dimming Driver
EDN	Electronic Driver Non-Dimming
DALI	1% Dali Dimming Driver
LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
2TW1	2 Channel 0-10v Tunable White 1% Dimming Driver*
2TWCS	2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**

CIRCUITS

1	1 Circuit
2	2 Circuits

OPTIONS

14EBL	14 Watt Emergency Ballast
90	90 CRI
AM	Anti-Microbial Paint
VDO	Lutron Vive Integral RF Controller with Daylight and Occupancy Sensing
TRX	T25 Torx Head Screws with Center Pin Reject

*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.

Dimensions on Next Page ►

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	27.8 - 173.4 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

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

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	27.8	>100K
7L	7000 LUMENS	48.5	>100K
11L	11000 LUMENS	79.3	>100K
12L	12000 LUMENS	83.2	>100K
13L	13000 LUMENS	90.1	>100K
15L	15000 LUMENS	104	>100K
16L	16000 LUMENS	110.1	>100K
20L	20000 LUMENS	138.7	>100K
25L	25000 LUMENS	173.4	>100K

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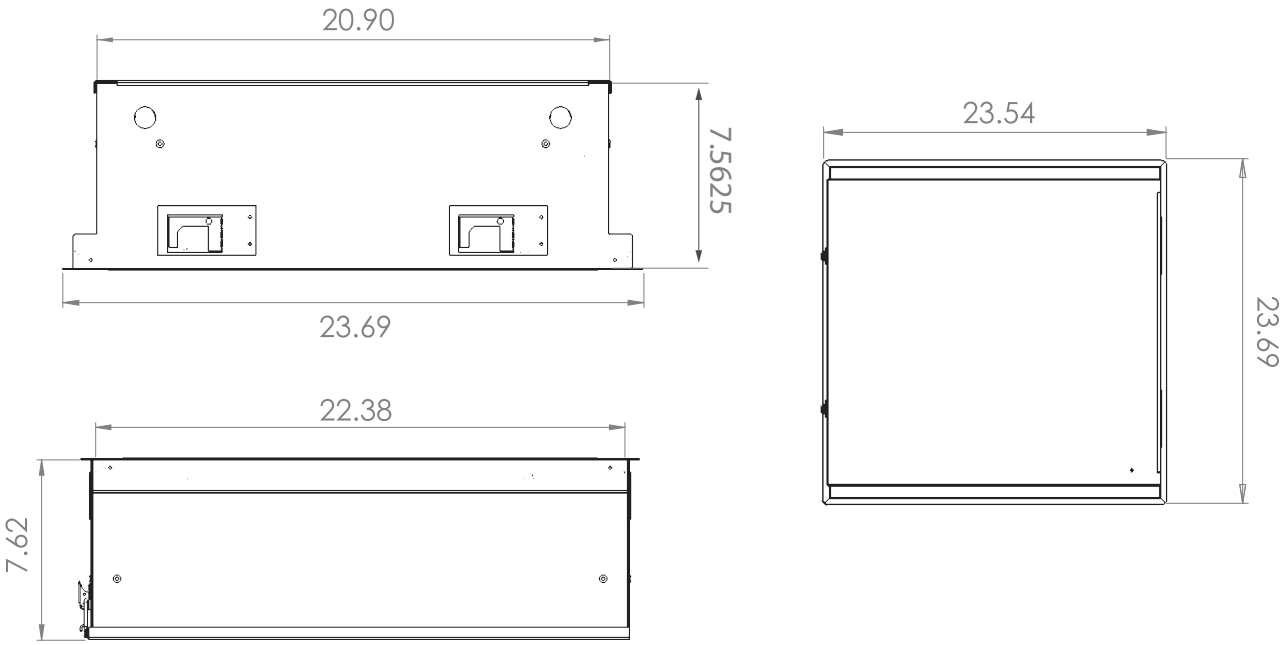
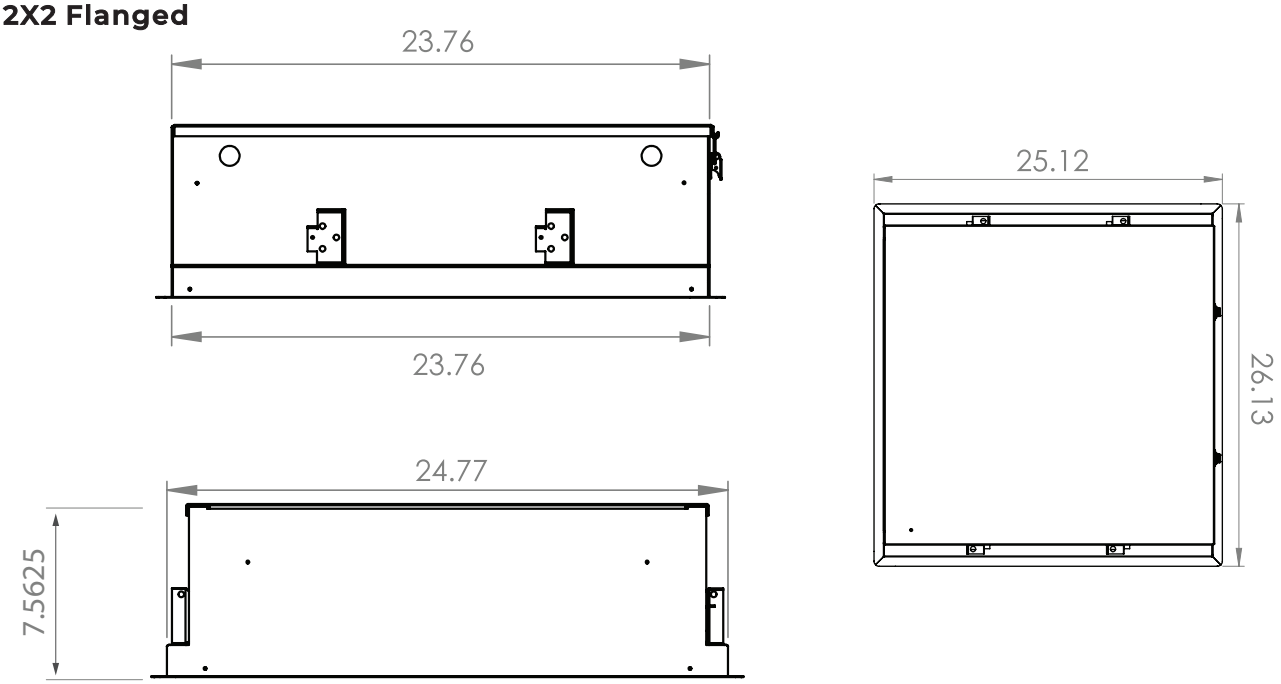
DIMENSIONS

2X2 Grid



2X2 Flanged



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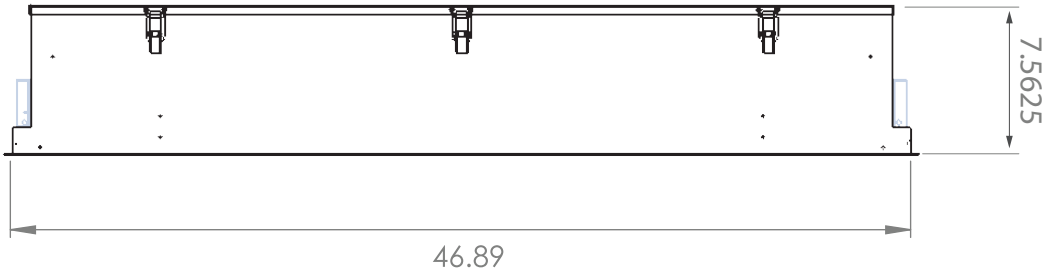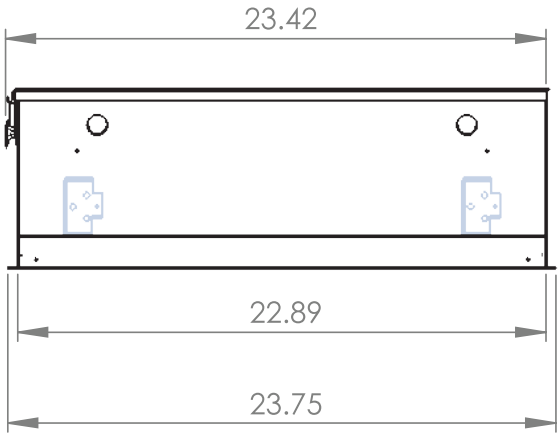
2X4 Grid