



Catalog Number
Project
Type

## CLF

### LED Clean Room Surface Mount



STANDARD | OPTIONAL



#### DESCRIPTION

The CLF is a low-profile, architecturally designed wall-mounted luminaire built to meet the demands of today's clean room facilities. The CLF provides optimal ambient light with due to its specially designed optics. The CLF LED is designed for use in healthcare facilities, specially for use in patient rooms to facilitate all tasks required by both patient and medical professional.

#### MOUNTING

Mounting holes are provided for surface mounted applications.

#### ELECTRICAL SYSTEM

Electronic driver 0-10V, 1% and 10% dimming standard. For outputs SL and ML, 0-10V 10% dimming driver (no dim to off) is standard. For outputs HL-HH, 0-10V 1% dim to off dimming driver standard. Complies with federal energy efficiency standards.

#### OPTICAL SYSTEM

Soft matte white opal polycarbonate diffuser comes standard.

#### LISTINGS

Damp location UL rated.

#### HOUSING

Die and brake-formed, code rolled steel housing and ends, or stainless steel housing and ends. If additional housing materials are needed, please consult factory. Knockouts are provided for conduit attachment.

#### LED

LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K with CRI > 80. Projected life is >100,000 hours at 70% lumen maintenance. 90 CRI available.

#### FINISH

White, polyester powder painted visible surfaces.

#### WARRANTY

5 - Year Limited Warranty. Complete warranty and terms located at: [www.aelnow.com/warranty](http://www.aelnow.com/warranty)

\* SAMPLE NUMBER: CLF1-30-HL-M-12EBL

Series	CCT	Illumination Level	Voltage	Housing
CLF1 24"	27 2700K	SL Standard Low	M 120/277V	B12 Cold Roll 12 Gauge
CLF2 48"	30 3000K	ML Medium Low		B14 Cold Roll 14 Gauge
	35 3500K	HL High Low		SH12 Stainless Steel 12 Gauge
	40 4000K	SM Standard Medium		SH14 Stainless Steel 14 Gauge
	50 5000K	MM Medium Medium		

Driver Options	Options
BLANK* 0-10V Dimming Driver (included standard)	12EBL 1200 Lumen Emergency Ballast
CD1 0-10V 1% to Off Dimming Driver	AM Antimicrobial Paint
CD5 0-10V 5% to Off Dimming Driver	90 90 CRI
EDN Electronic Driver Non-Dimming	TP Tamper Proof Fasteners
FLDD Fifth Light Dali, Dimming	WVOC 120-277V Motion and Sound Sensor Wall Mount
LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology	WV1C 120-277V Motion and Sound Sensor Ceiling Mount
LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming	VDO Lutron Vive Integral fixture control (RF with Daylight and Occupancy Sensing)
	FCJ50 Lutron Vive Attached Fixture Control (RF Only for 0-10V Drivers)

\*0-10V 10% dimming driver (no dim to off) standard with SL-ML outputs. (4650 - 7974 lumens)

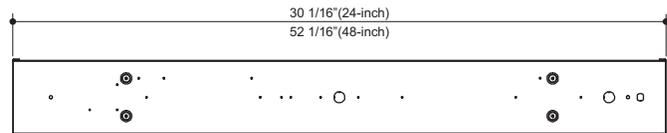
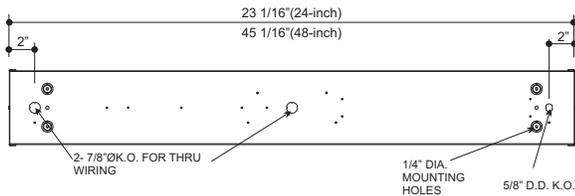
\*0-10V 1% to off dimming driver standard with HL- MM outputs. (11150 - 13016 lumens)

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

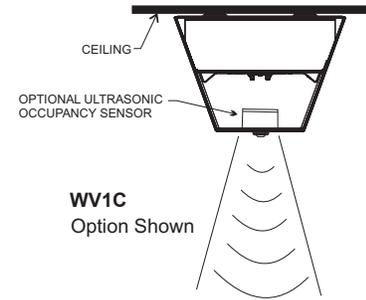
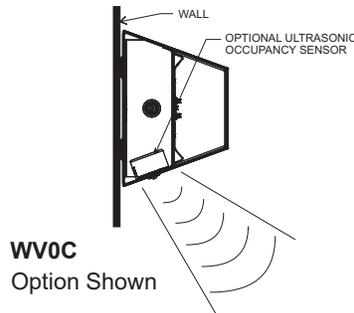
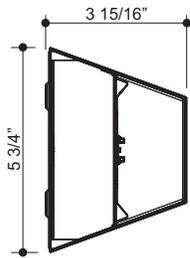
Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

\* Delivered Lumens shown were tested with 4000K LEDs 100,000 hours.

## DIMENSIONS



Standard Model Shown



## COVERAGE PATTERN

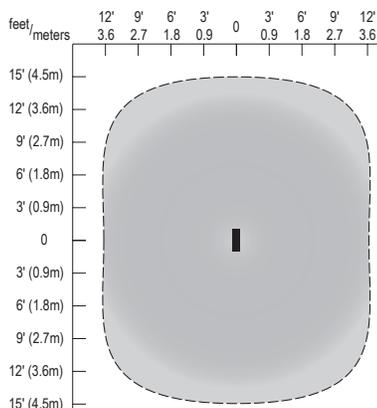
The coverage pattern is determined by sensor model, mounting height and the angle of the sensor, relative to the coverage area floor. The coverage shown represents full-step walking motion in a carpeted area, with no barriers or obstacles at a mounting height of 8 to 10 feet. Mounting above or below this range significantly affects coverage patterns.

Obstacles such as furniture or partitions, wall, ceiling and floor treatments can cause the coverage area to be less or more than the sensing distances shown in the coverage pattern. This must be considered when planning the number of sensors and their placement.

Place sensors at least 4 feet away from air supply ducts.

For complete coverage in open areas, install multiple sensors to provide a 20% overlap with each adjacent sensor's coverage area.

Top view, FS-555C coverage pattern, sensor mounted 8' high, parallel to floor



Top view, FS-555 coverage pattern, sensor mounted 20° from vertical

