



Catalog Number
Project
Type

CLN

Clean Room LED Vapor Tight



IP67
CERTIFIED

IP66
CERTIFIED

IP65
CERTIFIED



REMA 4X PSI 1500



DESCRIPTION

The CLN Series is a Clean Room LED Vapor Tight, gasketed enclosure that is completely dust and moisture resistant. The CLN utilizes state-of-the-art LED technology to deliver the highest possible efficiency in the lighting industry.

APPLICATIONS

The CLN Series of LED Vapor Tights were designed to be high quality, energy efficient LED fixtures for use in applications such as pharmaceutical manufacturing facilities, food processing facilities, electrical component manufacturing facilities, and any application that needs an economical surface mount clean room solution. Suitable for both indoor and outdoor applications.

CONSTRUCTION

The fixture is constructed of a single-piece polycarbonate upper body and an acrylic diffuser securely positioned in a permanent, poured-in-place, polyurethane sealing gasket. The diffuser and upper components are locked in place and sealed tightly with polycarbonate retaining latches or optional stainless steel latches. High impact acrylic/DR material diffuser composition. Positive cam latches. Polyethylene molded end plugs.

OPTICAL SYSTEM

High output LED's available in 3000K, 3500K, 4000K, and 5000K. CRI >82. High impact acrylic/DR material diffuser with a continuous formed perimeter. Diffuser softens light dissipation for even light coverage.

ELECTRICAL SYSTEM

0-10V dimming driver included standard. Long-life LED system rated for >120K life hours (L70 @ 25°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards.

CONTROLS

The fixture is compatible with 0-10V dimming controls or 50% step dimming is available upon request.

MOUNTING

The fixture can be suspended or surface mounted. Optional top only hub entry or combination top and end hub entry available for stem mounting applications. Die formed galvanized mounting brackets come standard. No holes required for mounting. Unitized internal/external brass mounting stud for structural integrity and continuity of ground.

LISTINGS

Independently tested to IESNA LM-79 and LM-80 specifications. ETL and cETL Listed. CSA approved. NSF International Certified. IP65, IP66 and IP67 Certified for Wet Location applications. Suitable for ISO 5-9 Clean Rooms. Proudly made in the USA. Manufactured in Fort Worth, Texas.

WARRANTY

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

ORDERING INFORMATION

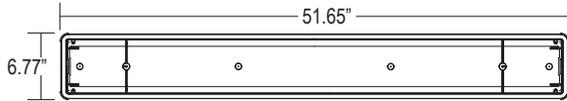
Example: CLN450HM

CLN Series	Length (IN)	CCT	Output*	Voltage	Lens Options/Adders	Options
CLN	2 27.69" Overall Length	27 2700K 30 3000K 35 3500K	SL Standard Low ML Medium Low	M Multi-Volt (120-277VAC)	BLANK Shallow Lens Acrylic (Smooth) - Standard RA Acrylic Ribbed	12EBL 1200 Lumen Emergency Ballast OC4EX Occupancy Sensor 1P Single Pendant w/ Reinforcement Plate 2P Double Pendant w/ Reinforcement Plate SSL Stainless Steel Latches TP Tamper Proof PTP Polycarbonate Tamper Proof Latches SSLTP Stainless Tamper Proof Latches
	4 51.65" Overall Length	40 4000K 50 5000K	HL High Low SM Standard Medium MM Medium Medium			
	8 99.65" Overall Length		HM High Medium SH Standard High MH Medium High HH High High			

*Max lumen output for 2' fixture is HM - 15728 lumens.

*Additional costs for lens enclosure upgrades

FIXTURE DIMENSIONS

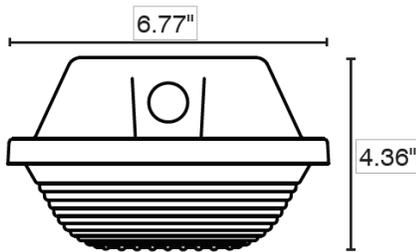


Fixture Analysis

Dimensions	51.65" x 6.77" x 4.25"
Mounting	Surface or suspension
Weight	12 lbs
Warranty	5-Year Limited

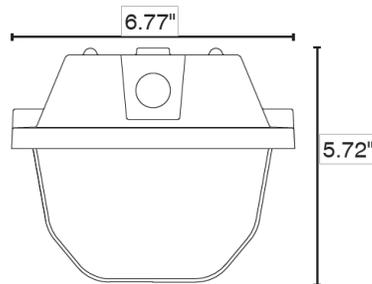
Lens Dimensions	
Standard	1.92" x 6.40"
Deep	3.50" x 6.40"
Shallow	1.92" x 6.40"

Standard Lens



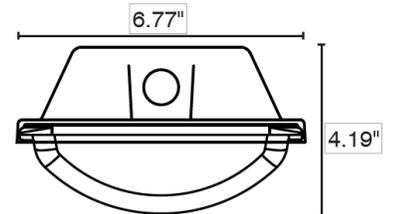
Available in (smooth) or (frosted)

Deep Lens



Available in (smooth with frosted ends) or (frosted)

Shallow Lens



Available in (smooth) or (frosted)

ENERGY AND PERFORMANCE DATA

Input Voltage	120/277VAC
System Input Power	33 - 179 Watts*
Delivered Lumen Output	4650 - 25000 Lumens
Standard Dimming Control	0-10V
CCT	3000, 3500, 4000, 5000 Kelvin
CRI	82 (minimum)
Life Time Rating	>120,000 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%

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

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