CLN
Clean Room
LED Vapor Tight

PROUDLY MADE IN USA

UL

NSF.

IP67 CERTIFIED

IP66 CERTIFIED

IP65 CERTIFIED

c UL us LISTED

c UL us

RoHS COMPLIANT

NEMA 4X   PSI 1500

LUTRON

ISO 5

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
Independantly tested to IESNA LM-79 and LM-80 specifications. UL and cUL 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 **4** 51.65" Overall Length **8** 99.65" Overall Length	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **50** 5000K	**SL** Standard Low **ML** Medium Low **HL** High Low **SM** Standard Medium **MM** Medium Medium **HM** High Medium **SH** Standard High **MH** Medium High **HH** High High		**M** Multi-Volt (120-277VAC)	**BLANK** Shallow Lens Acrylic (Smooth) - Standard **RA** Acrylic Ribbed **RAF** Acrylic Ribbed* (Frosted) **DRAF** Deep Lens Acrylic Ribbed* (Frosted) **DRAS** Deep Lens Acrylic Ribbed* (Smooth) **SAF** Shallow Lens Acrylic* (Frosted) **SPF** Shallow Lens Polycarbonate* (Frosted) **SPS** Shallow Lens Polycarbonate* (Smooth)	**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 **LDE1** Lutron LDE1 Hi-Lume 1% EcoSystem Fade-To-Black Driver Upgrade **LDE5** Lutron LDE5 5-Series EcoSystem 5% Dimming Driver Upgrade **VDO** Vive Integral RF controller with daylight and occupancy sensing. **FCJS0** Lutron Vive attached RF fixture controller 0-10V/277V

*Max lumen output for 2' fixure is HM - 15728 lumens.   *Additional costs for lens enclosure upgrades
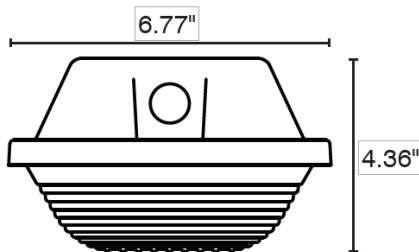
FIXTURE DIMENSIONS

51.65"

6.77"
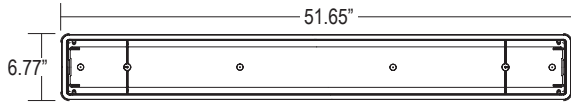
Fixture Analysis

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/⟨ ⟩[\ ⟩a dUᵛᴹ

6.77"

4.36"

Available in (smooth) or (frosted)

Deep Lens

6.77"

5.72"
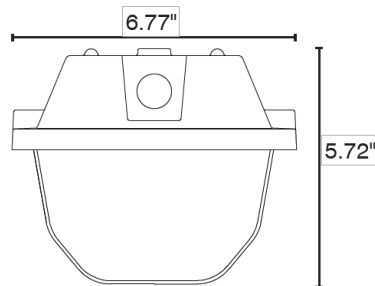
Available in (smooth with frosted ends) or (frosted)

Shallow Lens

6.77"

4.19"
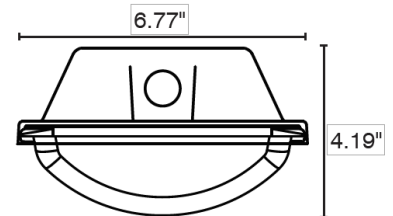
Available in (smooth) or (frosted)

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