

# CLSM

## SURFACE MOUNT LUMINAIRE



The **CLSM** A range of small, square and rectangular surface mounted luminaires with options ideal to illuminate the wall and surfaces in front of wall and for light accents on vertical surfaces using high efficiency LED's. The CLCM is designed for indoor and outdoor applications and provides a clean, visually appealing solution for small, unobtrusive wall mounted luminaires.

**FINISHING:** All products go through an extensive finishing process that includes fettling to improve paint adherence. UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Advantage products can withstand harsh environments. Rated for use in natatoriums

**HARDWARE:** Provided Hardware is Marine grade 316 Stainless steel. The CLCN comes with an integrated occupancy sensor.

**ANTI-SEIZE SCREW HOLES:** Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

**CRYSTAL CLEAR LOW IRON GLASS LENS:** Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

**OPTICS & LED:** Precise optic design provides exceptional light control and precise distribution of light. LED CRI > 80

**LUMEN - MAINTENANCE LIFE:** L80 /B10 at 100,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

**HOUSING:** Less than 0.1% copper content – Marine Grade LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

**PRE-PAINT:** 8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

**MEMORY RETENTIVE SILICON GASKET:** Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

**THERMAL MANAGEMENT:** LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Advantage used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 100,000 hours.

**SURGE SUPPRESSION:** Standard 10kv surge suppressor provided with all fixtures.


**BUG Rating:** B0-U0-G0

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

Ordering Information on Next Page ►

### ORDERING INFORMATION:

Example: CLSM

SERIES	CCT	ILLUMINATION LEVEL	HOUSING	INSET DOOR FRAME	LENS
CLSM	30 3000K 35 3500K 40 4000K 50 5000K	 5L 5000 Lumens 7L 7000 Lumens 9L 9000 Lumens 11L 11000 Lumens 13L 13000 Lumens XX Custom Lumens	B20 20 Gauge Cold Roll Steel ALH .063" Aluminum (Painted)	ALHINS .063" Aluminum Doorframe (Painted)	PA125 .125 Prismatic Acrylic (inverted) S Satin Lens PA19 .156" Prismatic Acrylic #19 PA125 .125 Prismatic Acrylic (inverted) PA156 .156 Prismatic Acrylic (inverted) PA187 .187 Prismatic Acrylic (inverted) PP125 Prismatic Inner with .125 Clear Outer Polycarbonate SY Symmetric Diffused DR Acrylic 125P .125 Clear Polycarbonate 250P .250 Clear Polycarbonate CPOL Clear .125 Polycarbonate Outer Lens CPOL250 Clear .250 Polycarbonate Outer Lens

Other lens options available,  
consult factory.

VOLTAGE	DRIVER OPTIONS	CIRCUITS	OPTIONS
M Multi-Volt (120-277VAC) HV 347-480VAC	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**	1 1 Circuit 2 2 Circuits	14EBL 14 Watt Emergency Ballast 90 90 CRI AM Anti-Microbial White Paint VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing) CPOL Clear .125 Polycarbonate Outer Lens

\*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:	36 - 93.5 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700, 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	WATTAGE	L70 @45C (HRS)
5L	5000	36	>100K
7L	7000	50.3	>100K
9L	9000	64.7	>100K
11L	11000	79.1	>100K
13L	13000	93.5	>100K