

CSMNAT

SURFACE
NATATORIUM
FIXTURE



The **CSMNAT** Series is an architecturally designed surface mount LED fixture. This is a great fixture for facilities like a natatorium or any environment where moisture vapor is higher than normal, and/or corrosive airborne materials such as chlorine or salt is present. The CSMNAT series is designed to be a high quality, energy efficient LED fixtures with qualities that allow them to perform for a long time in challenging environments.

HOUSING: Housing constructed in choice of stainless steel, or marine grade aluminum. Seam-welded construction. All doors attached to the housing with two stainless steel aircraft cables. Stainless steel Philips head screws secure door frame to housing. Salt spray test: 1,000 hours; Reflectance: 92%. Anti-microbial paint optional.

DOORFRAME: Inset or overlap doorframe in choice of stainless steel or marine grade aluminum.

ELECTRICAL SYSTEM: Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 45°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM: Various lens options available, refer to ordering information.

MOUNTING: Surface Mount luminaire.

NATATORIUM OPTION: Includes all the standard options, plus stainless-steel fasteners and a multi-step degrease and phosphate cleaning process that includes deoxidizing and etching. This is followed by an a super epoxy finish with a very high chemical resistance. This finish is specifically designed for these environments.

LED: 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >100,000 hours at 70% lumen maintenance.

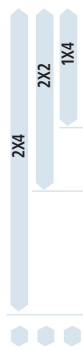
LISTINGS: Independently tested to IESNA LM-79 and LM-80 specifications. ETL and cETL Listed. Manufactured in the USA, BAA compliant.

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

Ordering Information on Next Page ►

ORDERING INFORMATION:

Example: CSMNAT-14-30-12L-ALH-INS-PA125-M-1-NAT

SERIES	SIZE	CCT	ILLUMINATION LEVEL	HOUSING/DOOR	DOOR FRAME TYPE	
CSMNAT	14 1X4	27 2700K		4L 4000 Lumens	ALH .063" Aluminum Standard (Painted)	INS Inset Door
	22 2X2	30 3000K		7L 7000 Lumens	SHP18 18 Gauge Stainless Steel (Painted 304)	OVL Overlap Door
	24 2X4	35 3500K		11L 11000 Lumens	SHP186 18 Gauge Stainless Steel (Painted 316)	
		40 4000K		12L 12000 Lumens	SHB18 18 Gauge Stainless Steel (Brushed 304)	
		50 5000K		13L 13000 Lumens	SHB186 18 Gauge Stainless Steel (Brushed 316)	
		ATTW Tunable White		15L 15000 Lumens		
				16L 16000 Lumens		
				20L 20000 Lumens		
				25L 25000 Lumens		
				30L 30000 Lumens		
		XX Custom Lumens				

LENS	VOLTAGE	DRIVER OPTIONS	CIRCUITS	OPTIONS
PA19 .156" Prismatic Acrylic #19	M Multi-Volt (120-277VAC)	BLANK 0-10V Dimming Driver (included standard)	1 1 Circuit	14EBL 14 Watt Emergency Driver
PA125 .125 Prismatic Acrylic		CD5 0-10V 5% to Off Dimming Driver	2 2 Circuits	90 90 CRI
PA156 .156 Prismatic Acrylic	HV 347-480VAC	EDN Electronic Driver Non-Dimming		NAT NATATORIUM: EPOXY paint and stainless steel fasteners
PA187 .187 Prismatic Acrylic		DALI 1% Dali Dimming Driver		RGBW: Addressable DMX Decoder for DMX512 Control (Controller Supplied by Others). Consult factory for requirements.
PP125 Prismatic Inner with .125 Clear Outer Polycarbonate		LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		
SY Symmetric Diffused DR Acrylic		2TW1 2 Channel 0-10v Tunable White 1% Dimming Driver*		
125P .125 Clear Polycarbonate		2TWCS 2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi**		

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:	25.0 - 156.3 WATTS*
DELIVERED LUMEN OUTPUT:	4000 - 25000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	80 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

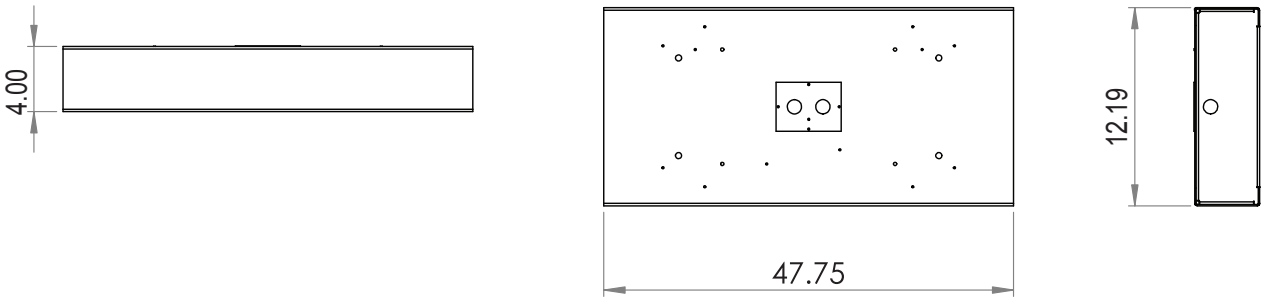
5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

OUTPUT	LUMENS	WATTS	L70 @20C (HRS)
4L	4000 LUMENS	25.0	>100K
7L	7000 LUMENS	43.8	>100K
11L	11000 LUMENS	68.8	>100K
12L	12000 LUMENS	75.0	>100K
13L	13000 LUMENS	81.3	>100K
15L	15000 LUMENS	93.8	>100K
16L	16000 LUMENS	100.0	>100K
20L	20000 LUMENS	125.0	>100K
25L	25000 LUMENS	156.3	>100K

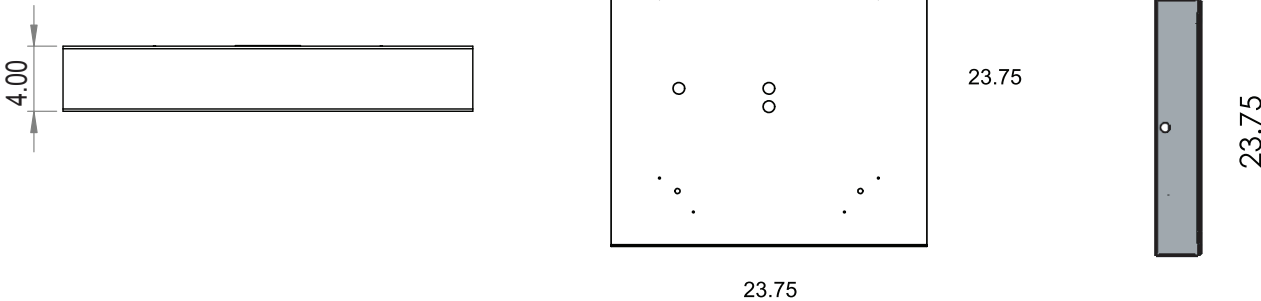
*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

DIMENSIONS

1X4



2X2



2X4

