

	AL-LEDUC-MV-E9	AL-LEDUC-MV-E12	AL-LEDUC-MV-E18	AL-LEDUC-MV-E24	AL-LEDUC-MV-E34	AL-LEDUC-MV-E48
Length	9"	12"	18"	24"	34"	48"
Weight (Lbs.)	0.8	1.0	1.4	2.0	2.6	3.4

GENERAL DESCRIPTION

The AL-LEDUC-MV is an economical series of undercabinet luminaires for use in kitchens, retail displays and covers. With a painted, steel housing and polycarbonate lens, the AL-LEDUC-MV provides durability and high performance. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, incandescent or fluorescent under cabinet luminaires.

WARRANTY & LISTINGS

- cETLus listed to applicable U.L. standards. Listed for damp locations. Suitable for ambient temperatures from -20°C to 40°C (-4°F to 104°F).
- ENERGY STAR® certified.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, class B.
- Protected against input line transients (2.5kV).
- 5-year warranty of all electronics and housing

FEATURES

- Available in 3000k (warm white) & 4000k (neutral white) color temperatures.*
- Long life LEDs provide at least 81,000 hours of operation with at least 70% of initial lumen output (L₁₀).**
- Delivers from 327 to 1,805 lumens & 84 to 94 lumens per watt.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Painted steel housing and polycarbonate lens.
- Tool-less access to LED channel and wiring enclosure.
- Knockouts on sides and back simplify electrical connections.
- Key hole slots provide for easy installation in new construction or retrofits.

PRODUCT PARAMETER

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATT	COLOR TEMPRETURE
AL-LEDUC-MV-E9	3.9	327	84	3K = 3000k 4K = 4000k
AL-LEDUC-MV-E12	5.0	457	91	3K = 3000k 4K = 4000k
AL-LEDUC-MV-E18	7.7	725	94	3K = 3000k 4K = 4000k
AL-LEDUC-MV-E24	9.7	865	89	3K = 3000k 4K = 4000k
AL-LEDUC-MV-E34	14.7	1,357	92	3K = 3000k 4K = 4000k
AL-LEDUC-MV-E48	19.5	1,805	93	3K = 3000k 4K = 4000k

LIGHTING UP THE WORLD
WITH ONE BULB AT A TIME!

ELECTRICAL DATA

MODEL	CRI ¹	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATT	INPUT VOLTAGE ²	INPUT CURRENT (A)			THD ³	L ₇₀ HOURS ⁴
						120V	240V	277V		
AL-LEDUC-MV-E9	>80	327	3.9	84	120-277	0.03	0.02	0.01	<20%	>81,000
AL-LEDUC-MV-E12	>80	457	5.0	91	120-277	0.04	0.02	0.02	<20%	>81,000
AL-LEDUC-MV-E18	>80	725	7.7	94	120-277	0.06	0.03	0.03	<20%	>81,000
AL-LEDUC-MV-E24	>80	865	9.7	89	120-277	0.08	0.04	0.03	<20%	>81,000
AL-LEDUC-MV-E34	>80	1,357	14.7	92	120-277	0.12	0.06	0.05	<20%	>81,000
AL-LEDUC-MV-E48	>80	1,805	19.5	93	120-277	0.16	0.08	0.07	<20%	>81,000

¹ Color rendering index.

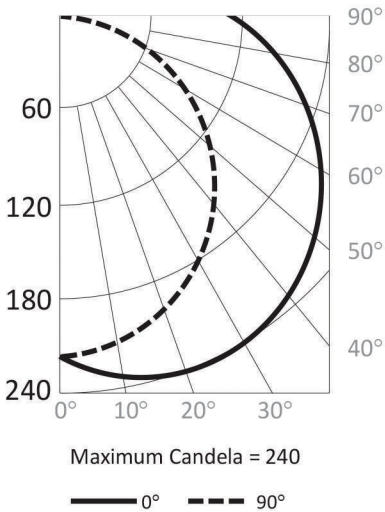
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRICS

AL-LEDUC-MV-E24 (865 Lumens)



Candlepower Summary

	0°	90°
0°	216	216
10°	232	211
20°	239	198
30°	239	178
40°	231	152
50°	216	122
60°	195	88
70°	169	54
80°	140	20
90°	113	1

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	24	2.8%
0° – 20°	95	11.0%
0° – 30°	203	23.4%
0° – 40°	334	38.7%
0° – 50°	475	54.9%
0° – 60°	609	70.4%
0° – 70°	724	83.6%
0° – 80°	809	93.5%
0° – 90°	865	100.0%
90° – 180°	0	0.0%
0° – 180°	865	100.0%

Cone of Light

