

LEDUC-E LED Undercabinet Luminaires



Project:	
Type:	
Catalog #:	



STANDARD FEATURES



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

FEATURES

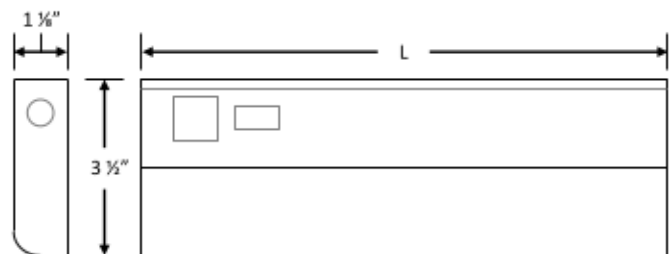
- Available in 3000k (warm white) & 4000k (neutral white) color temperatures.*
- Long-life LEDs provide at least 81,000 hours of operation with at least 70% of initial lumen output (L_{70}).**
- Delivers from 327 to 1,805 lumens & 84 to 94 lumens per watt.*
- Universal 120-277 AC voltage (50-60Hz) is 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.

* Contact factory for other color temperatures and lumen packages.
** L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

- cETL_{us} 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.

DIMENSIONS



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

ORDERING INFORMATION

Example: LEDUC-E9-3K

Model	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Color Temperature
LEDUC-E9	327	3.9	84	3K = 3000k 4K = 4000k
LEDUC-E12	457	5.0	91	3K = 3000k 4K = 4000k
LEDUC-E18	725	7.7	94	3K = 3000k 4K = 4000k
LEDUC-E24	865	9.7	89	3K = 3000k 4K = 4000k
LEDUC-E34	1,357	14.7	92	3K = 3000k 4K = 4000k
LEDUC-E48	1,805	19.5	93	3K = 3000k 4K = 4000k

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ELECTRICAL

Model	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			THD ³	L ₇₀ Hours ⁴
						120V	240V	277V		
LEDUC-E9	> 80	327	3.9	84	120-277	0.03	0.02	0.01	< 20%	81,000
LEDUC-E12	> 80	457	5.0	91	120-277	0.04	0.02	0.02	< 20%	81,000
LEDUC-E18	> 80	725	7.7	94	120-277	0.06	0.03	0.03	< 20%	81,000
LEDUC-E24	> 80	865	9.7	89	120-277	0.08	0.04	0.03	< 20%	81,000
LEDUC-E34	> 80	1,357	14.7	92	120-277	0.12	0.06	0.05	< 20%	81,000
LEDUC-E48	> 80	1,805	19.5	93	120-277	0.16	0.08	0.07	< 20%	81,000

¹ Color rendering index.

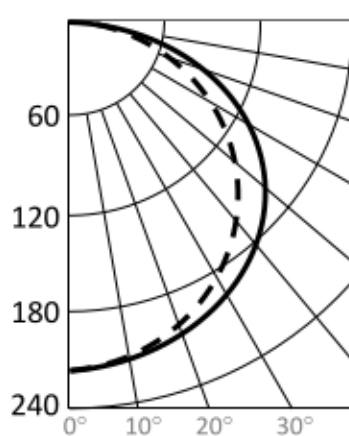
² All 50-60Hz.

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.

PHOTOMETRIC DATA

LEDUC-E24 (865 Lumens)



Maximum Candela = 240

— 0° - - - 90°

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

