

PROlite LED Lighting™

A Division of Emergensee® Lighting, Inc.



Job Name: _____

Type: _____

Part #: _____

Notes: _____

PLEDUC-E LED Undercabinet Luminaires

STANDARD



The PLEDUC-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 PLEDUC-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 (L70).**
- 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.

ORDERING INFORMATION

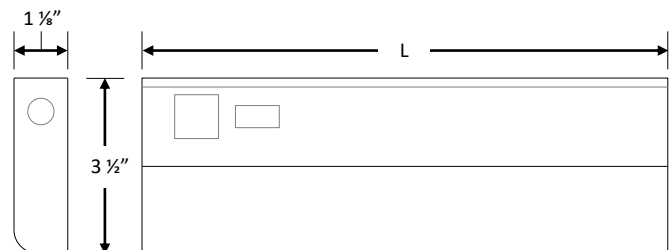
Model	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Color Temperature
PLEDUC-E9	327	3.9	84	3K = 3000k 4K = 4000k
PLEDUC-E12	457	5.0	91	3K = 3000k 4K = 4000k
PLEDUC-E18	725	7.7	94	3K = 3000k 4K = 4000k
PLEDUC-E24	865	9.7	89	3K = 3000k 4K = 4000k
PLEDUC-E34	1,357	14.7	92	3K = 3000k 4K = 4000k
PLEDUC-E48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



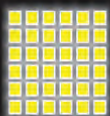
WARRANTY & LISTINGS

- 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.

DIMENSIONS



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



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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		
PLEDUC-E9	> 80	327	3.9	84	120-277	0.03	0.02	0.01	< 20%	81,000
PLEDUC-E12	> 80	457	5.0	91	120-277	0.04	0.02	0.02	< 20%	81,000
PLEDUC-E18	> 80	725	7.7	94	120-277	0.06	0.03	0.03	< 20%	81,000
PLEDUC-E24	> 80	865	9.7	89	120-277	0.08	0.04	0.03	< 20%	81,000
PLEDUC-E34	> 80	1,357	14.7	92	120-277	0.12	0.06	0.05	< 20%	81,000
PLEDUC-E480	> 80	1,805	19.5	93	120-277	0.16	0.08	0.07	< 20%	81,000

¹ Color rendering index.

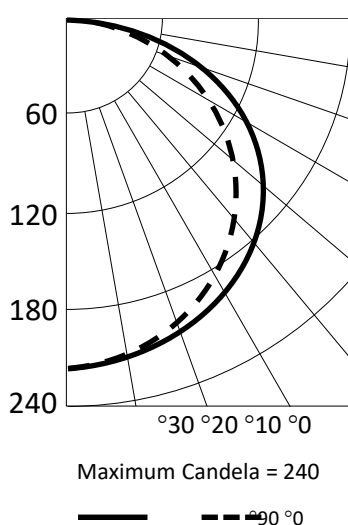
² All 50-60Hz.

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

PLEDUC-E24 (865 Lumens)



	°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

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

