



Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

CONSTRUCTION

Suitable for operating loads up to 42W.
 23.0V to 26.5V DC output.
 0-10V dimming standard.
 Starting temperatures is 0°C.
 Input voltage: 120-277V, 50Hz or 60Hz.
 50,000-hour design life.
 Class 2 output UL recognized to UL and CSA requirements.

ELECTRICAL

No PCBs.
 Suitable for dry and damp locations.
 Class P, Type 1 outdoor acceptable.
 High frequency — operates LED at 250kHz DC.
 High power factor: 0.9 minimum.
 Total harmonic distortion (THD) less than 20%.
 Sound-rated A.
 Short circuit and overload protection.
 Inherent thermal protection.
 Complies with ANSI C62.41 Category A for transient protection.
 Complies with ANSI C82.11.
 Complies with FCC part 15 non-consumer equipment EMC.

LISTING

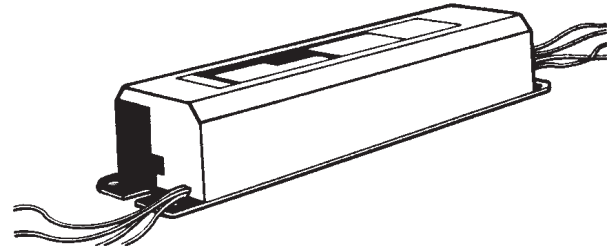
Driver shall be Underwriters Laboratory listed, Class P, Type 1, outdoor and CSA certified.

WARRANTY

Driver shall carry a five-year warranty.
Specifications subject to change without notice.

Electronic Driver

ACCUDRIVE MVOLT



PERFORMANCE MATRIX

Model Number	Power factor	Input Wattage	Input Current 120V	Input Current 277V	THD
DVR 45 MVOLT XA	0.90	45	0.379A	0.166A	<20%

FEATURES & SPECIFICATIONS

INTENDED USE — The ACLED combines digital LED lighting and control technologies with a high performance optical system to deliver general ambient lighting for many applications such as schools, offices, and hospitals. High efficacy light engine delivers long life and excellent color, ensuring a superior quality light installation that is highly efficient and sustainable. **Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.**

CONSTRUCTION — Housing formed from cold-rolled steel. Housing is painted after fabrication for superior finish.

Smooth hemmed sides and smooth inward formed end flanges for easy handling.

Standard deep regressed door frame with step baffles provides unique architectural appearance. Door frame is painted after fabrication standard. Powder painted rotary cam latches provide easy secure door closure. Integral T-bar clips standard. Acrylic shielding material 100% UV stabilized.

OPTICS — Frosted acrylic tile provides superior efficiency and a clean quiet appearance in the ceiling

ELECTRICAL — Long life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. ACLED is rated to deliver L80 performance for 50,000 hours. Standard nLight embedded controls continuously monitor system performance, allow for constant lumen management/compensation function, facilitate simple “plug-and-play” network and controls upgrading via Cat-5 cable.

LED Accudrive driver delivers full-range dimming from 0-10V control signal.

Ballast disconnect provided where required to comply with US and Canadian codes

INSTALLATION — Drivers and internal components accessible from floor. LED boards include plug in connectors for easy replacement or servicing. Suitable for direct insulation contact

LISTING — CSA certified to meet U.S. and Canadian standards

WARRANTY — Five-year warranty coverage of luminaries includes fixture construction, LED light engine, driver and nLight control device. Terms and conditions apply.

Note: Specifications subject to change without notice.

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ACLED



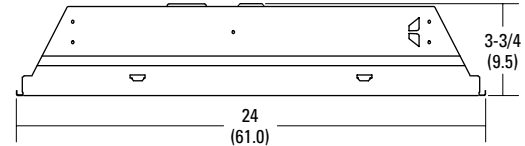
LED
2x2

Specifications

Length: 24 (61.0)

Width: 24 (61.0)

Depth: 3-3/4 (9.5)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: 2ACLED 3300L D41 LP835 N100

2ACLED	3300L		D41	LP835	
Series	Lamp type	Voltage	Driver	Lamp color	Options
2ACLED Recessed LED	3300L ¹	(blank) MVOLT (120-277V)	D41 41W ²	LP835 82 CRI, 3500 Kelvin	N100 nLight without lumen management N80 nLight with 80% (L80) lumen management N100EMG nLight without lumen management for use with generator supply EM power N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power

Accessories: Order as separate catalog number.

DGA22 Drywall grid adapter for 2x2 recessed fixture.

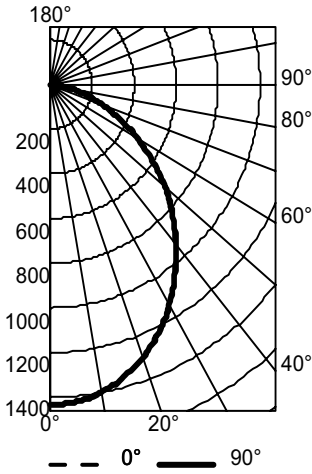
Notes

- Nominal lumens.
- Nominal wattage.

ACLED Recessed LED Lighting

PHOTOMETRICS

2ACLED 3300L D41 LP835 N100, 3,484 delivered lumens, test no. LTL19830, tested in accordance to IESNA LM-79.



CP Summary			Coefficients of Utilization									Zonal Lumen Summary				
			0°	90°	pc	80%			20%						50%	
			pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	Zone	Lumens	% Lamp	% Fixture
0°	1432	1432	0	119	119	119	116	116	116	111	111	111	0° - 30°	1079	31.0	31.0
5°	1425	1425	1	110	105	101	103	99	96	99	96	93	0° - 40°	1725	49.5	49.5
15°	1355	1357	2	100	92	86	91	85	80	87	82	78	0° - 60°	2893	83.0	83.0
25°	1221	1225	3	92	82	74	80	73	67	77	71	66	0° - 90°	3484	100.0	100.0
35°	1032	1037	4	84	73	64	71	64	58	69	62	57	90° - 180°	0	0.0	0.0
45°	820	825	5	78	65	57	64	56	50	62	55	49	0° - 180°	3484	100.0	100.0
55°	589	594	6	72	59	50	58	50	44	56	49	44				
65°	364	366	7	67	54	45	53	45	39	51	44	39				
75°	173	175	8	62	49	41	48	41	35	47	40	35				
85°	23	23	9	58	45	37	45	37	32	43	36	31				
90°	1	0	10	55	42	34	41	34	29	40	33	29				

T8 Fluorescent Performance Comparison				
		Typical 2x2 Fluorescent Troffer		
	ACLED	(2) F32T8U	(3) F17	(4) F17
Delivered Lumens	3,484	3,380	2,700	3,700
Wattage	41	58	45	64
Lumens per watt	85	58	60	58
% of Light Output	BASELINE	103%	82%	112%
Energy Savings using LED	BASELINE	17	4	23
Energy Savings % using LED	BASELINE	29%	9%	36%



ACLED