

FEATURES & SPECIFICATIONS

INTENDED USE — The AL combines clean, fine lines with a unique design that complements any space. The completely luminous optical system provides a concave visual appearance while providing high fixture performance and even illumination. AL is available with several lighting control options including dimming and occupancy sensors to maximize energy savings and complement daylight harvesting.

CONSTRUCTION — Rugged, one-piece cold-rolled steel reflector assembly with embossed steel for increased structural integrity and strength. Polyester powder-paint after fabrication.

Hinged doorframe assembly retains optical assembly and easy access to electrical components. End plates include integral T-bar clips.

OPTICS — Luminous optical system consists of a unique blend of high performance transmittance diffuser coupled with a concave, clear, ribbed refractor for a unique multi-step appearance. To improve fixture performance and eliminate pixelation the diffuser uses a unique blend of high molecular weight polymer beads with unrelated refractive index.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

nLight® embedded controls make each luminaire addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices and the AL luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Step-level dimming option allows system to be switched to 50% power for compliance with common energy codes while maintaining fixture appearance.

eldoLED driver options deliver choice of dimming range, and choices for control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Driver disconnect provided where required to comply with US and Canadian codes.

INSTALLATION — Lightweight and easy to install in any standard T-Bar system.

Maintenance: LED boards include plug-in connectors for easy replacement or servicing.

Suitable for damp locations.

LISTINGS — CSA Certified to meet U.S. and Canadian standards. Tested to LM80 standards.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Catalog Number
Notes
Type

AL SERIES

ALL



1' X 4'
LED

eldoLED



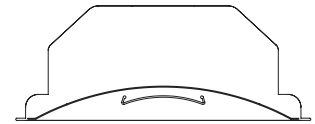
Patent No.: US D680,254 S

Specifications

Length: 48 (121.9)

Width: 12 (30.5)

Depth: 4-3/4 (12.1)



All dimensions are in inches (centimeters) unless otherwise indicated.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

ORDERING INFORMATION

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

Example: ALL4 48L EZ1 LP835 N100

Series	Lumens ¹	Voltage	Driver	Color temperature	Controls ⁵	Options
ALL4 Recessed LED 1x4	20L 2000 lumens	(blank) MVOLT (120 - 277V)	EZ1 eldoLED dims to 1% (0-10 volt dimming)	LP830 3000 K	(blank) No controls	EL7L 700 nominal lumen battery pack ⁶
	30L 3000 lumens	347 347V ²	EZB eldoLED dims to dark (0-10 volt dimming)	LP835 3500 K	N80 nLight with 80% (L80) lumen management	EL14L 1400 nominal lumen battery pack ⁶
	40L 4000 lumens		EDB eldoLED DALI ³	LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power	CP Chicago plenum
	48L 4800 lumens		EXB eldoLED DMX/RDM ³	LP850 5000 K	N100 nLight without lumen management	
	60L 6000 lumens		EXA1 Dims to 1%, Xpoint wireless enabled ^{3,4}		N100EMG nLight without lumen management for use with generator supply EM power	
			EXAB Dims to dark, Xpoint wireless enabled ^{3,4}			
			SLD Step-level dimming ³			

nLight® Control Accessories:

Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.

WallPod stations	Model number	Occupancy sensors	Model number
On/Off	nPODM [color]	Standard range 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Extended range 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model number	Cat-5 cable bundles (plenum rated)	Model number
Continuous dimming	nCM ADC	10', CAT5 10FT	CAT5 10FT J1
On/Off & Dimming	nCM PC ADC	15', CAT5 15FT	CAT5 15FT J1

Accessories: Order as separate catalog number.

DGA14 Drywall ceiling adaptor , unit installation

Notes

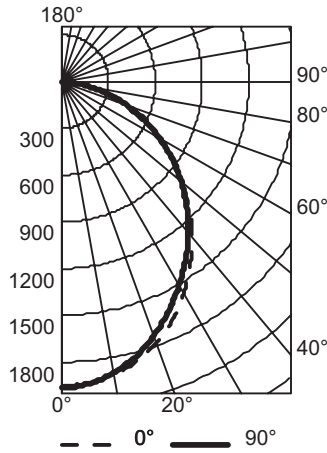
- 1 Approximate lumen output.
- 2 Not available with EL7L or EL14L battery packs or SLD driver.
- 3 Not available with N80, N80EMG, N100, or N100EMG.
- 4 Gateway not included. Requires on-site commissioning. Visit www.lightingcontrols.com/XPointWireless for more information.
- 5 Cannot row mount when ordered with nLight options
- 6 Not available on 48L or 60L options.

ALL4 Architectural Lighting 1'x4'

Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2,216.7	21	105.6
20L	LP835	2,264.3	21	107.8
20L	LP840	2,280.1	21	108.6
20L	LP850	2,359.4	21	112.4
30L	LP830	3,158.6	30	105.3
30L	LP835	3,226.6	30	107.6
30L	LP840	3,249.2	30	108.3
30L	LP850	3,362.4	30	112.1
40L	LP830	4,066.6	39	104.3
40L	LP835	4,154.9	39	106.5
40L	LP840	4,184.3	39	107.3
40L	LP850	4,331.5	39	111.1
48L	LP830	4,818.3	47	102.5
48L	LP835	4,922.5	47	104.7
48L	LP840	4,956.4	47	105.5
48L	LP850	5,130.8	47	109.2
60L	LP830	5,454.6	55	99.2
60L	LP835	5,572.3	55	101.3
60L	LP840	5,610.8	55	102.0
60L	LP850	5,807.8	55	105.6

PHOTOMETRICS

ALL4 48L EZ1 LP835, 4922.5 delivered lumens, test no. LTL26928P13, tested in accordance to IESNA LM-79.



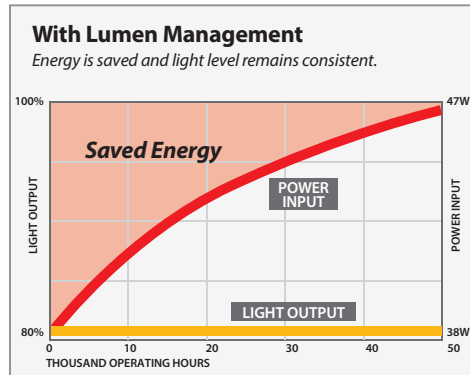
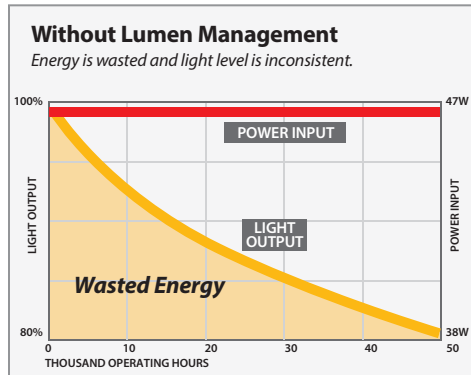
CP Summary		
	0°	90
0°	1961	1961
5°	1941	1948
15°	1857	1826
25°	1685	1622
35°	1437	1387
45°	1154	1135
55°	852	867
65°	554	589
75°	291	300
85°	80	57
90	0	0

RCR	Coefficients of Utilization												
	pf	20%						50%					
		pc	80%		70%		50%		30%		10%		
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
0	119	119	119	116	116	116	111	111	111	111	111	111	
1	109	104	100	102	98	95	98	95	92	98	95	92	
2	99	91	85	89	83	78	86	81	76	86	81	76	
3	91	81	73	79	72	66	76	70	64	76	70	64	
4	83	72	63	70	62	56	68	61	55	68	61	55	
5	77	64	55	63	55	48	61	54	48	61	54	48	
6	71	58	49	57	49	43	55	48	42	55	48	42	
7	66	53	44	52	44	38	50	43	37	50	43	37	
8	61	48	40	47	39	34	46	39	34	46	39	34	
9	57	44	36	44	36	31	42	35	30	42	35	30	
10	54	41	33	40	33	28	39	32	28	39	32	28	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	1457	29.6	29.6
0° - 40°	2332	47.4	47.4
0° - 60°	3966	80.6	80.6
0° - 90°	4922	100.0	100.0
90° - 120°	0	0.0	0.0
90° - 130°	0	0.0	0.0
90° - 150°	0	0.0	0.0
90° - 180°	0	0.0	0.0
0° - 180°	4922	100.0	100.0

Constant Lumen Management

Enabled by the embedded nLight control, the ALL actively tracks its run-time and manages its light source such that constant lumen output is maintained over the system life. Referred to as lumen management, this feature eliminates the energy waste created by the traditional practice of over-lighting.



ALL-1X4