

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 — Housing formed from **cold-rolled steel**. Housing is **painted after fabrication** for superior finish. **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 pixilation 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. **IC Rated**. 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.

BUY AMERICAN — Product with the **BAA option** is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

Catalog Number
Notes
Type

AL SERIES

ALL



1' X 4'
LED



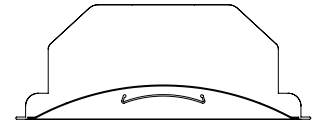
Patent No.: US D680,254 S

Specifications

Length: 47.75 (121.3)

Width: 11.75 (29.8)

Depth: 4-3/4 (12.1)



All dimensions are inches (centimeters) unless otherwise indicated.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

ALL4 Architectural Lighting 1'x4'



A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: ALL4 48L EZ1 LP835 N100

ALL4 Series	Lumens ¹	Voltage	Driver	Color temperature	Controls ⁵
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
	30L 3000 lumens	347 347V ²	EZB eldoLED dims to 0.1% (0-10 volt dimming)	LP835 3500 K	N80 nLight with 80% (L80) lumen management
	40L 4000 lumens		GZ1 Dims to 1% (0-10V dimming) ³	LP840 4000 K	N80EMG nLight with 80% (L80) lumen management for use with generator supply EM power
	48L 4800 lumens		GZ10 Dims to 10% (0-10V dimming) ³	LP850 5000 K	N100 nLight without lumen management
	60L 6000 lumens		EDB eldoLED DALI ⁴		N100EMG nLight without lumen management for use with generator supply EM power
			SLD Step-level dimming ⁴		

Options

EL7L	700 nominal lumen battery pack (Noncompliant with CA T20) ⁶
EL14L	1400 nominal lumen battery pack (Noncompliant with CA T20) ⁶
E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ⁶
PWS1836	6' pre-wire 3/8" diameter, 18 gauge, 1 circuit
PWS1846	6' pre-wire 3/8" diameter, 18 gauge, 2 circuit
PWS1846 PWSLV	Two cables: one 6' prewire, 3/8" diameter, 18 gauge, 2 circuits; one 6' pre-wire, 3/8" diameter, 18 gauge
PWS1856LV	6' pre-wire, 3/8" diameter, 18 gauge, 1 circuit w/ low voltage wires
CP	Chicago plenum ⁴
BAA	Buy America(n) Act Compliant

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
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Notes

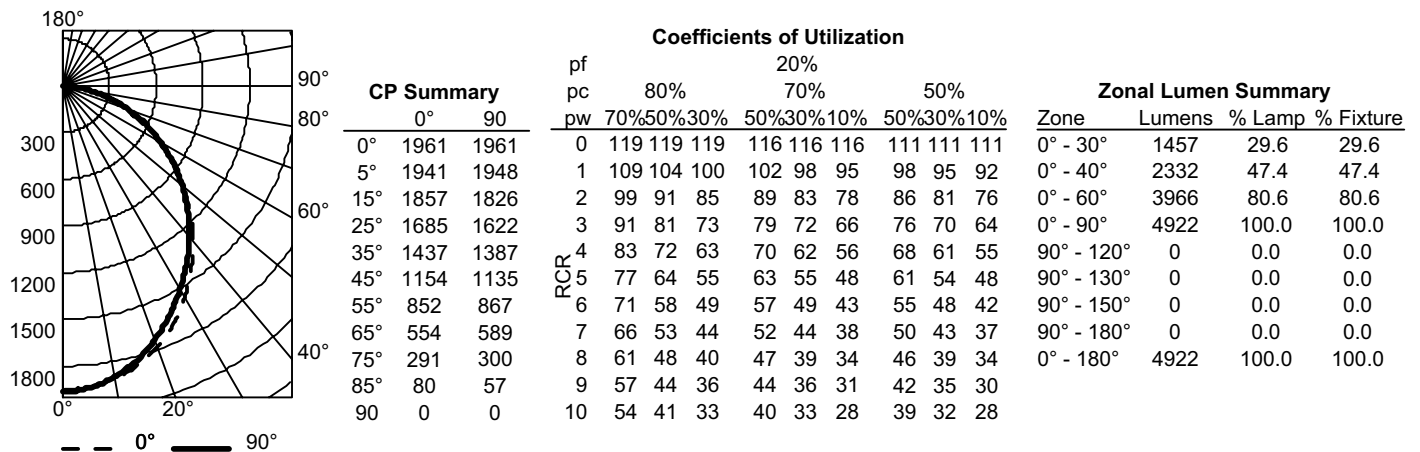
- 1 Approximate lumen output.
- 2 Not available with EL7L or EL14L battery packs or SLD driver.
- 3 GZ1, GZ10 not available with any Controls options.
- 4 Not available with N80, N80EMG, N100, N100EMG, PWS1836, PWS1846, PWS1846 PWSLV or PWS1856LV.
- 5 Cannot row mount when ordered with nLight options
- 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.



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.

