

FEATURES & SPECIFICATIONS

INTENDED USE — The AL series surface mount 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 also available with a number of control options thus providing the ability to dim or control the lighting providing the ability to save energy and operate with multiple control systems including daylight or occupancy sensors.

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

Hinged doorframe assembly retains optical assembly and easy access to electrical components.

OPTICS — Luminous optical system consists of a 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 — Surface mounting. Suitable for damp location.

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

GOVERNMENT PROCUREMENT — BAA — Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

LISTINGS — CSA Certified to meet U.S. and Canadian 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.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/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

ALLS4



1' X 4'
Surface LED

Patents Pending



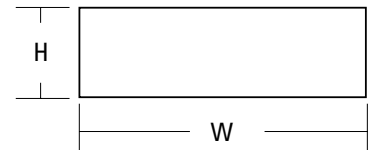
Specifications

Length: 48 (121.9)

Width: 12-1/4 (31.1)

Height: 4-3/4 (12.1)

All dimensions are inches (centimeters) unless otherwise indicated.



ORDERING INFORMATION

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

Example: ALLS4 48L EZ1 LP835 N100

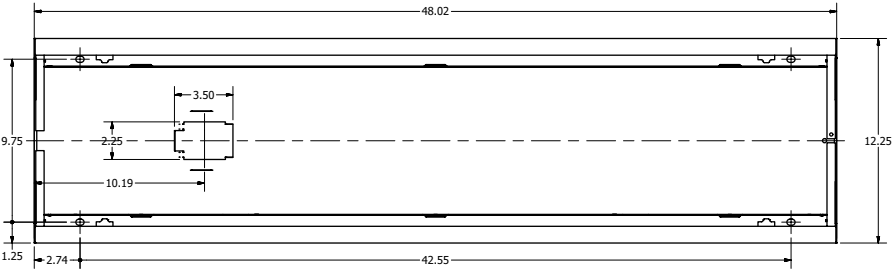
ALLS4									
Series		Lumens ¹	Voltage	Driver	Color temperature	Control		Options	
ALLS4 Surface LED 1x4	20L	2000 lumens	(blank) MVOLT (120 - 277V)	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	3000 K	(blank)	No controls
	30L	3000 lumens	347 347V ²	EZB	eldoLED dims to dark (0-10 volt dimming)	LP835	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
				EXB	eldoLED DMX/RDM ³				
				SLD	Step-level dimming ⁴				
								EL7L	700 nominal lumen battery pack ⁵
								EL14L	1400 nominal lumen battery pack ⁵
								E10WLCP	EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS ⁵
								PAF	Paint after fabrication
								BAA	Buy America(n) Act and/or Build America Buy America Qualified

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, or N100EMG.
- 5 Not available with 48L or 60L options.

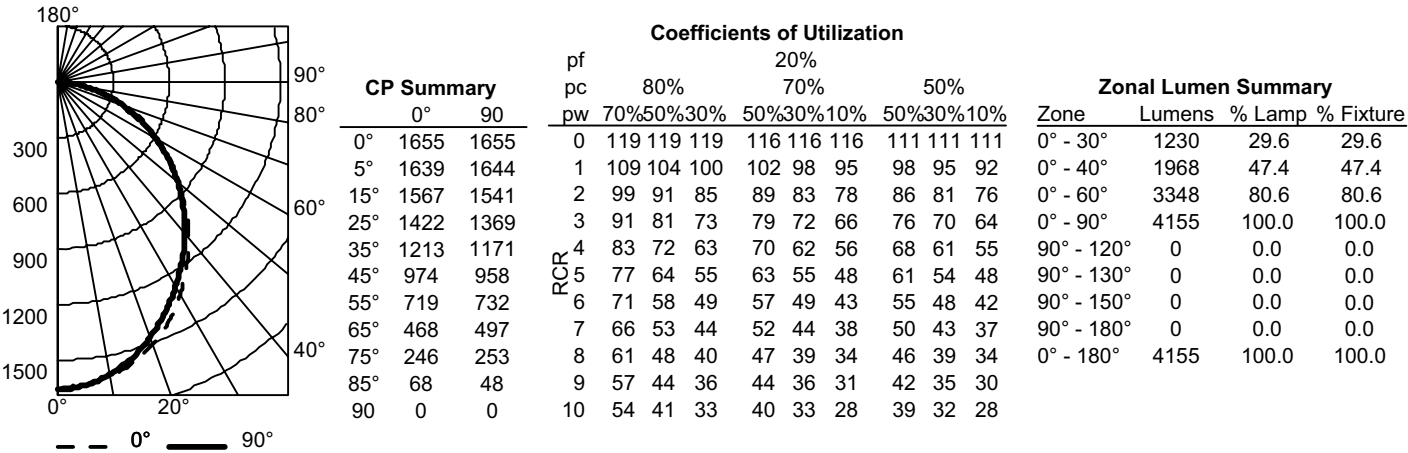
Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2,216.7	21	105.6
20L	LP835	2,264.3	21	107.8
20L	LP840	2,280.1	21	108.6
20L	LP850	2,359.4	21	112.4
30L	LP830	3,158.6	30	105.3
30L	LP835	3,226.6	30	107.6
30L	LP840	3,249.2	30	108.3
30L	LP850	3,362.4	30	112.1
40L	LP830	4,066.6	39	104.3
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

MOUNTING DATA



PHOTOMETRICS

ALLS4 40L EZ1 LP835, 4154.9 delivered lumens, test no. LTL26928P29, tested in accordance to IESNA LM-79.



Constant Lumen Management

Enabled by the embedded nLight control, the ALLED 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.

