

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The AC Series LED surface mount 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 the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate 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 quite appearance in the ceiling.

**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 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 mount. Drivers and internal components accessible from floor. LED boards include plug in connectors for easy replacement or servicing. Suitable for damp location.

**LISTINGS** — CSA certified to meet US and Canadian standards.

Protected by one or more of US Patent Nos. D677,817; D677,819.

**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](http://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

### AC SERIES SURFACE MOUNT

# 2ACLX2

2' x 2' LED



eldoLED



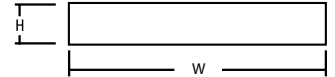
#### Specifications

Length: 24.75 (62.9)

Width: 24.75 (62.9)

Depth: 4.75 (12.1)

All dimensions are inches (centimeters) unless otherwise indicated.



### CSA+ Capable Luminaire

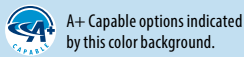
This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- 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](http://www.acuitybrands.com/aplus).

\*See ordering tree for details

# 2ACLX2 Surface Mount LED Lighting



## ORDERING INFORMATION

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

**Example:** 2ACLX2 33L EZ1 LP835 N100

2ACLX2		Lumens <sup>1</sup>		Voltage		Driver		Color temperature		Control		Options			
2ACLX2	Surface LED 2x2	20L	2000 lumens	(blank)	MVOLT (120-277)	EZ1	eldoLED dims to 1% (0-10 volt dimming)	LP830	3000 K	(blank)	No controls	EL7L	700 nominal lumen battery pack		
		33L	3300 lumens	347	347 <sup>2</sup>	EZB	eldoLED dims to dark (0-10 volt dimming) <sup>3</sup>	LP835	3500 K	N80	nLight with 80% (L80) lumen management	EL14L	1400 nominal lumen battery pack		
		40L	4000 lumens	GZ1	Dims to 1% (0-10V dimming) <sup>3</sup>	LP840	4000 K	N80EMG	nLight with 80% (L80) lumen management for use with generator supply EM power	N100	nLight without lumen management	N100EMG	nLight without lumen management for use with generator supply EM power		
				GZ10	Dims to 10% (0-10V dimming) <sup>3</sup>	LP850	5000 K								
EDB	eldoLED DALI <sup>4</sup>														
EXB	eldoLED DMX/RDM <sup>4</sup>														
						SLD	Step-level dimming <sup>4</sup>								

### nLight® Control Accessories:

Order as separate catalog number. Visit [www.sensorswitch.com/nLight](http://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	CAT5 cable bundles (plenum rated)	Model number
Continuous dimming	nCM ADC	10', 15 pieces per bundle	CAT5 10FT
On/Off & Dimming	nCM PC ADC	30', 15 pieces per bundle	CAT5 30FT

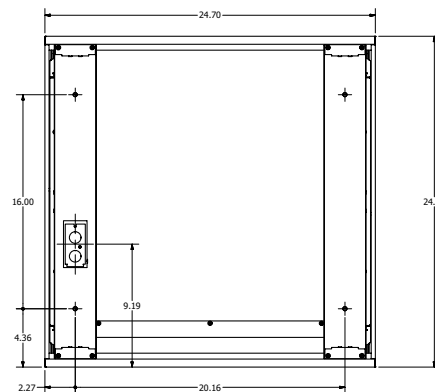
### Notes

- 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.

### Performance Data

Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2,013.3	18	111.8
20L	LP835	2,056.5	18	114.2
20L	LP840	2,070.8	18	115.0
20L	LP850	2,142.8	18	119.0
33L	LP830	3,222.5	29	111.1
33L	LP835	3,292.4	29	113.5
33L	LP840	3,315.0	29	114.3
33L	LP850	3,430.2	29	118.3
40L	LP830	3,814.7	35	109.0
40L	LP835	3,897.0	35	111.3
40L	LP840	3,925.8	35	112.2
40L	LP850	4,061.5	35	116.0

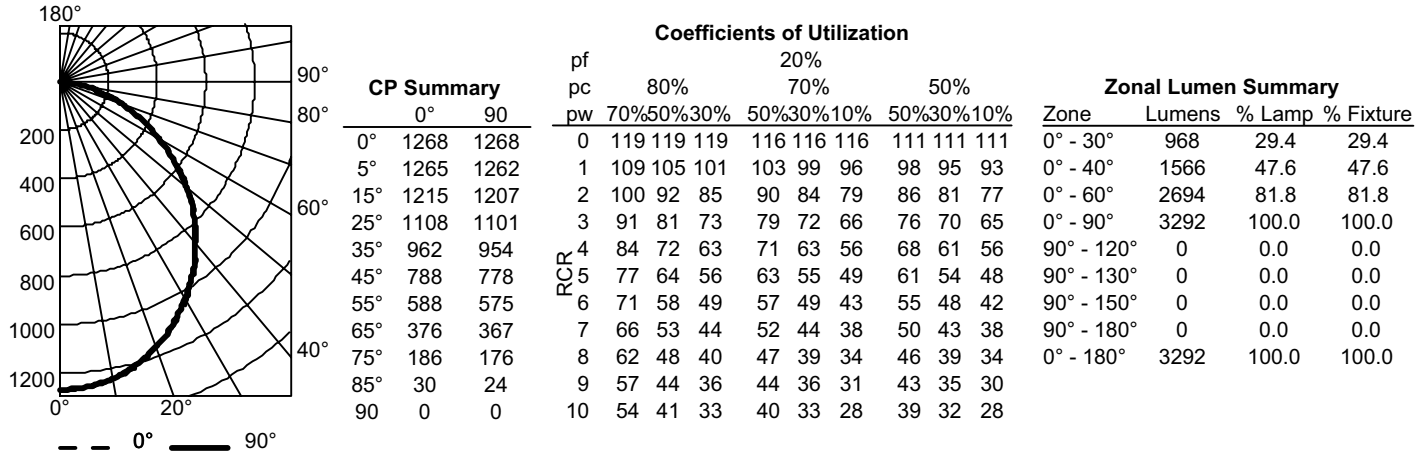
### MOUNTING DATA



# 2ACLX2 Surface Mount LED Lighting

## PHOTOMETRICS

2ACLX2 33L EZ1 LP835, 3292.4 delivered lumens, test no. LTL26920P17, tested in accordance to IESNA LM-79.



## Constant Lumen Management

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

