

FEATURES & SPECIFICATIONS

INTENDED USE — The AL combines clean, fine lines with a unique design that complements any space. The CTRF (Center Fill) option features a center mounted LED source shielded by the secondary refractor that creates a gradient along the luminaire aperture, accentuating the concave primary lens.

Ideal for office spaces, conference rooms, and schools.

CONSTRUCTION — Rugged, **pre-painted 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. 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 and 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.

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

Tested to LM80 standards.

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: Specifications subject to change without notice.

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 $^{\circ}\text{C}.$





Patent No.: US D680,254 S

DIMENSIONS

Catalog

Number

Notes

Туре

All dimensions are inches (centimeters) unless otherwise specified.

 Specifications

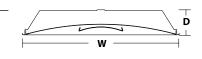
 Length:
 23.75 (60.3)

 Width:
 23.75 (60.3)

 Depth:
 3-3/4 (9.5)

 Approximate Weight:
 12 lbs

Approximate Weight with EM battery: 13.5 lbs



Standard 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 <u>www.acuitybrands.com/aplus</u>.

*See ordering tree for details

2ALL2 CTRF Architectural Lighting 2'x2'

A+ Capable options indicated by this color background.

ORDERING INFORMATION	ead times will vary depending on options	selected. Consult with your sales representative.	Example: 2ALL2 CTRF 40L EZ1 LP835 N100
2ALL2 CTRF			
Series	Lumens ¹	Voltage	Driver
2ALL2 CTRF Recessed 2x2, center fill LED	20L 2000 lumens 33L 3300 lumens 40L 4000 lumens	(blank) MVOLT (120-277V) 347 347V ²	EZ1eldoLED dims to 1% (0-10 volt dimming)EZBeldoLED dims to dark (0-10 volt dimming)GZ1Dims to 1% (0-10V dimming) ³ GZ10Dims to 10% (0-10V dimming) ³ EDBeldoLED DALI ⁴ SLDStep-level dimming ⁴

Color temperature	Control	Options	
LP830 80CRI, 3000 K LP835 80CRI, 3500 K, LP840 80CRI, 4000 K LP850 80CRI, 5000 K LP930 90CRI, 3000 K LP935 90CRI, 3000 K LP940 90CRI, 4000 K LP940 90CRI, 5000 K	(blank)No controlsN80nLight with 80% (L80) lumen managementN80EMGnLight with 80% (L80) lumen management for use with generator supply EM powerN100nLight without lumen managementN100EMGnLight without lumen management for use with generator supply EM power	EL7L EL14L E10WLCP CP PAF BAA	700 nominal lumen battery pack, Noncompliant with CA T20 1400 nominal lumen battery pack, Noncompliant with CA T20 EM Self-Diagnostic battery pack, 10W Constant Power, Certified in CA Title 20 MAEDBS Chicago plenum Paint after fabrication Buy America(n) Act Compliant

Light [®] Control Access Order as separate catalo		sensorswitch.com/nLight for complete listing of n	Light controls.
WallPod stations	Model number	Occupancy sensors	Model number
0n/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 1
Graphic Touchscreen	nPOD GFX	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 1
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.

DGA22 Drywall ceiling adaptor , unit installation

Notes

Approximate lumen output.
 Not available with EL7L, EL14L or E10WLCP battery packs or SLD driver.
 GZ1, GZ10 not available with any Controls options.
 Not available with N80, N80EMG, N100, or N100EMG.

How to Estimate Delivered Lumens in Emergency Mode

Use the formula below to estimate the delivered lumens in emergency mode Delivered Lumens = 1.25 x P x LPW

 $\mathsf{P}=\mathsf{Ouput}$ power of emergency driver. $\mathsf{P}=\mathsf{10W}$ for <code>E10WLCP</code> option.

 $\mathsf{LPW} = \mathsf{Lumen} \ \mathsf{per} \ \mathsf{watt} \ \mathsf{rating} \ \mathsf{of} \ \mathsf{the} \ \mathsf{luminaire}. \ \mathsf{This} \ \mathsf{information} \ \mathsf{is} \ \mathsf{available} \ \mathsf{on} \ \mathsf{the} \ \mathsf{ABL} \ \mathsf{luminaire} \ \mathsf{spec} \ \mathsf{sheet}.$

LPW = Lumen per watt rating of the luminaire. LPW information available in Performance Data section.

Replacement Parts: Order as separate catalog number.				
Decription	Includes Door?	Includes Panel Lens?	Includes Center Lens?	
ALL LED 2X2 Door/ Lens	Yes	Yes	Yes	
ALL LED 2X2 Panel Lens	No	Yes	No	
ALL LED 2X2 Center Lens	No	No	Yes	
	<u>Decription</u> ALL LED 2X2 Door/ Lens ALL LED 2X2 Panel Lens	Decription Includes Door? ALL LED 2X2 Door/ Lens Yes ALL LED 2X2 Panel Lens No	Decription Includes Door? Includes Panel Lens? ALL LED 2X2 Door/ Lens Yes Yes ALL LED 2X2 Panel Lens No Yes	



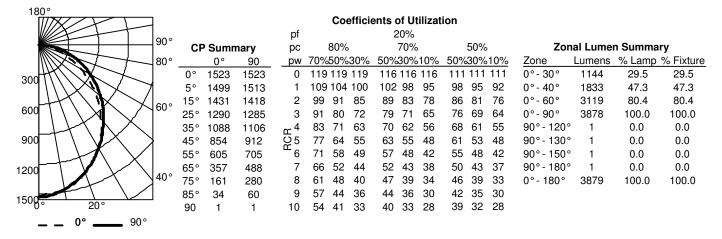
2ALL2 CTRF Architectural Lighting 2'x2'

Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
20L	LP830	2024	17.3	116.8
20L	LP835	2039	17.3	117.6
20L	LP840	2069	17.3	119.4
20L	LP850	2159	17.3	124.5
33L	LP830	3415	30.8	110.8
33L	LP835	3440	30.8	111.6
33L	LP840	3491	30.8	113.2
33L	LP850	3643	30.8	118.1
40L	LP830	4018	37.4	107.5
40L	LP835	4047	37.4	108.3
40L	LP840	4107	37.4	109.9
40L	LP850	4286	37.4	114.7

Performance Data				
Lumen	Package	Lumens	Input Watts	LPW
20L	LP930	1679	17.3	96.9
20L	LP935	1724	17.3	99.5
20L	LP940	1754	17.3	101.2
20L	LP950	1844	17.3	106.4
33L	LP930	2833	30.8	91.9
33L	LP935	2909	30.8	94.3
33L	LP940	2960	30.8	96.0
33L	LP950	3111	30.8	100.9
40L	LP930	3333	37.4	89.2
40L	LP935	3422	37.4	91.6
40L	LP940	3482	37.4	93.2
40L	LP950	3661	37.4	98.0

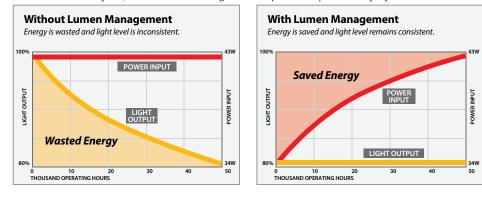
PHOTOMETRICS

2ALL2 CTRF 40L EZ1 LP835, 3878.7 delivered lumens.



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, theis feature eliminates the energy waste created by the traditional practice of over-lighting.





2ALL2 CTRF-2X2