

C-AR-A-AL Series

LED Area Light | Type III, IV or V Optics
Replaces up to 1000W PSMH



AREA LIGHTING ON YOUR TERMS

Our cULus Listed LED Area Light features up to 44,000 lumens, with three optics and four lumen packages to choose from. The C-AR-A-AL Series has the right light for your parking lot project, featuring Type III, IV and V optics, as well as an optimized solution for new construction or 400W - 1000W retrofit applications. Choice of three mounts (sold separately), as well as a 7-pin receptacle and shorting cap (standard). It's passed Cree Lighting's rigorous reliability tests to make sure it performs the way it's promised to. All from the brand you trust.

PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: 22,000 - 44,000
- CRI: ≥ 70
- CCT: 4000K or 5000K
- Input Power: 150W, 200W, 240W, 300W
- Dimmable: 0-10V Dimming to 10%
- Operating Temperature Range: -40°F to - 104°F (-40°C to 40°C)
- Estimated L₇₀ Lifetime @ 25°C: >100,000 hours
- Power Factor: ≥ 0.9
- Total Harmonic Distortion: $\leq 20\%$
- Limited Warranty: 5-Year Limited*
- Replaces: **22L/29L**: 400W PSMH, **35L**: 750W PSMH, **44L**: 1000W PSMH

***Note: Not for use as an up light**

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
<ul style="list-style-type: none"> • Supplied with a shorting cap • Standard 3-pin photocell available (sold separately) • Tool-less entry into the wiring compartment • Comes standard with 7-pin receptacle for the ability to utilize smart controls • 3 different mounts available (sold separately) • Sleek, high performance design 	<ul style="list-style-type: none"> • Shopping Centers • Parking Lots • General Area Lighting 	<ul style="list-style-type: none"> • Universal (120V through 277V Operation)

CERTIFICATIONS:

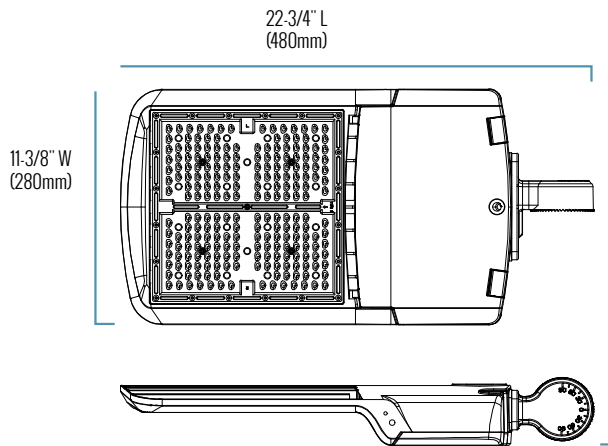
C-AR-A-AL Series

ORDERING INFORMATION

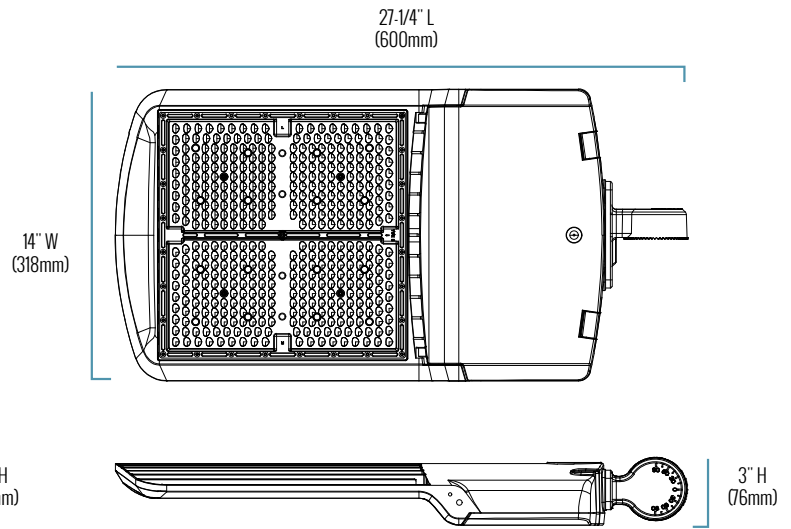
Example SKU: C-AR-A-AL3-22L-40K-UL-BZ

C-AR-A				UL	BZ
PRODUCT	DISTRIBUTION TYPE	LUMEN PACKAGE	CCT	VOLTAGE	COLOR
C-AR-A	AL3 Area Light, Type III AL4 Area Light, Type IV AL5 Area Light, Type V	22L 22,000 Lumens, 150W 29L 29,000 Lumens, 200W 35L 35,000 Lumens, 240W 44L 44,000 Lumens, 300W	40K Neutral White (4000K) 50K Cool White (5000K)	UL Universal (120V - 277V Operation)	BZ Bronze

22L



29L/35L/44L



SERIES OVERVIEW

DIMENSIONS	PRODUCT WEIGHT	MOUNTING HEIGHT	SPACING
(22L) 22-3/4" (536mm) L x 11-3/8" (330mm) W x 3" (155mm) H	10.6 lbs.	15-25 feet	4 to 5 times the mounting height
(29L/35L/44L) 27-1/4" (536mm) L x 14" (330mm) W x 3" (155mm) H	14.9 lbs. (29L) 15.7 lbs. (35L) 16.8 lbs. (44L)	15-30 feet (29L) 20-35 feet (35L) 20-40 feet (44L)	4 to 5 times the mounting height

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FIXTURE SPECIFICATIONS

HOUSING	Bronze, powder coated die-cast aluminum housing
LENS ASSEMBLY	Engineered polycarbonate optical lens assembly provides type III, IV or V distributions
MOUNTING (SOLD SEPARATELY)	2-inch adjustable slip fitter, direct mount or trunion mount

LUMINAIRE AND ELECTRICAL PERFORMANCE

OPERATING TEMPERATURE RANGE	ESTIMATED L ₇₀ LIFETIME @ 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION
-40°F to -104°F (-40°C to 40°C)	>100,000 Hours	>0.9	<20%

SKU	DISTRIBUTION	LUMEN OUTPUT	BUG RATINGS*	SYSTEM WATTS	CURRENT DRAW (AMPS)			
					120V	208V	240V	277V
C-AR-A-AL3-22L-40K-UL-BZ	Type III	22,000	B3-U0-G3	150W	1.39A	0.80A	0.69A	0.60A
C-AR-A-AL4-22L-40K-UL-BZ	Type IV		B3-U0-G4					
C-AR-A-AL5-22L-40K-UL-BZ	Type V		B4-U0-G5					
C-AR-A-AL3-22L-50K-UL-BZ	Type III		B3-U0-G3					
C-AR-A-AL4-22L-50K-UL-BZ	Type IV		B3-U0-G4					
C-AR-A-AL5-22L-50K-UL-BZ	Type V		B4-U0-G5					
C-AR-A-AL3-29L-40K-UL-BZ	Type III	29,000	B4-U0-G3	200W	1.85A	1.07A	0.93A	0.80A
C-AR-A-AL4-29L-40K-UL-BZ	Type IV		B4-U0-G4					
C-AR-A-AL5-29L-40K-UL-BZ	Type V		B5-U0-G5					
C-AR-A-AL3-29L-50K-UL-BZ	Type III		B4-U0-G3					
C-AR-A-AL4-29L-50K-UL-BZ	Type IV		B4-U0-G4					
C-AR-A-AL5-29L-50K-UL-BZ	Type V		B5-U0-G5					
C-AR-A-AL3-35L-40K-UL-BZ	Type III	35,000	B4-U0-G4	240W	2.22A	1.28A	1.11A	0.96A
C-AR-A-AL4-35L-40K-UL-BZ	Type IV		B4-U0-G5					
C-AR-A-AL5-35L-40K-UL-BZ	Type V		B5-U0-G5					
C-AR-A-AL3-35L-50K-UL-BZ	Type III		B4-U0-G4					
C-AR-A-AL4-35L-50K-UL-BZ	Type IV		B4-U0-G5					
C-AR-A-AL5-35L-50K-UL-BZ	Type V		B5-U0-G5					
C-AR-A-AL3-44L-40K-UL-BZ	Type III	44,000	B4-U0-G4	300W	2.78A	1.60A	1.39A	1.20A
C-AR-A-AL4-44L-40K-UL-BZ	Type IV		B4-U0-G5					
C-AR-A-AL5-44L-40K-UL-BZ	Type V		B5-U0-G5					
C-AR-A-AL3-44L-50K-UL-BZ	Type III		B4-U0-G4					
C-AR-A-AL4-44L-50K-UL-BZ	Type IV		B4-U0-G5					
C-AR-A-AL5-44L-50K-UL-BZ	Type V		B5-U0-G5					

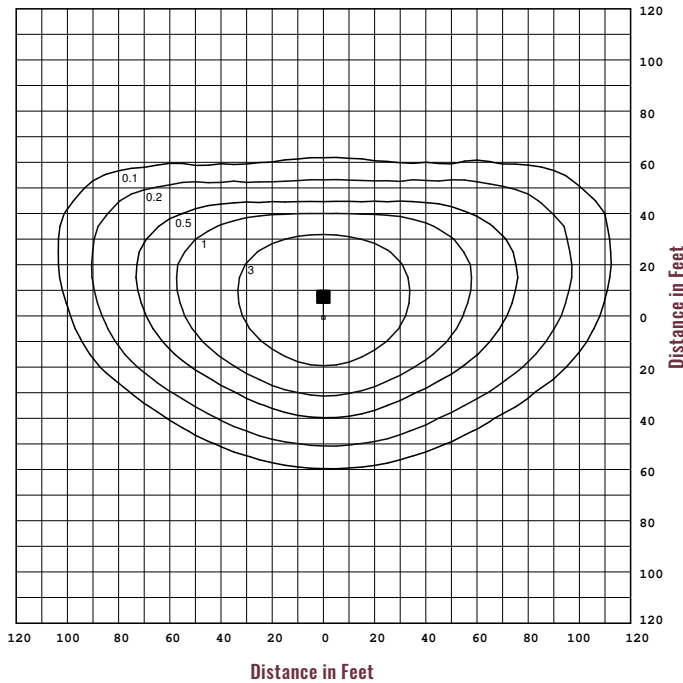
* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

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ISO PLOT CHART

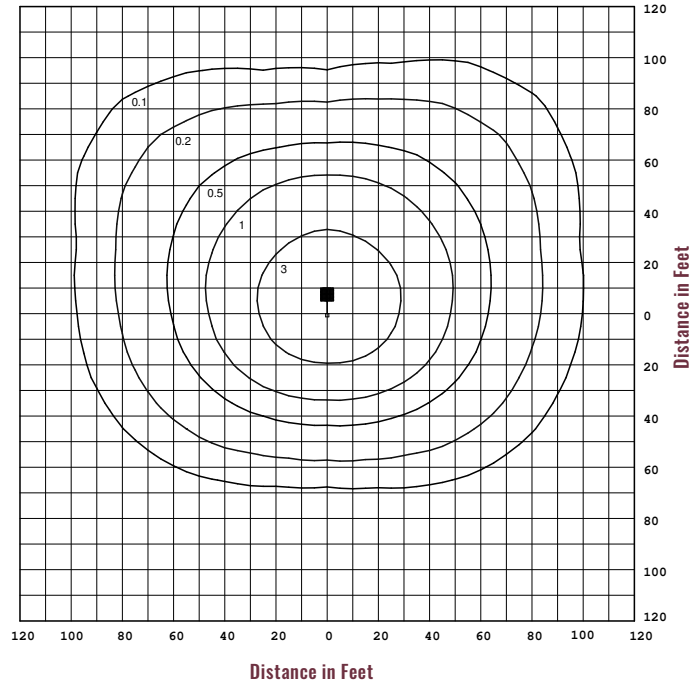
C-AR-A-AL3-29L-40K-UL-BZ

Mounted at 25' AFG
IES Classification Type III



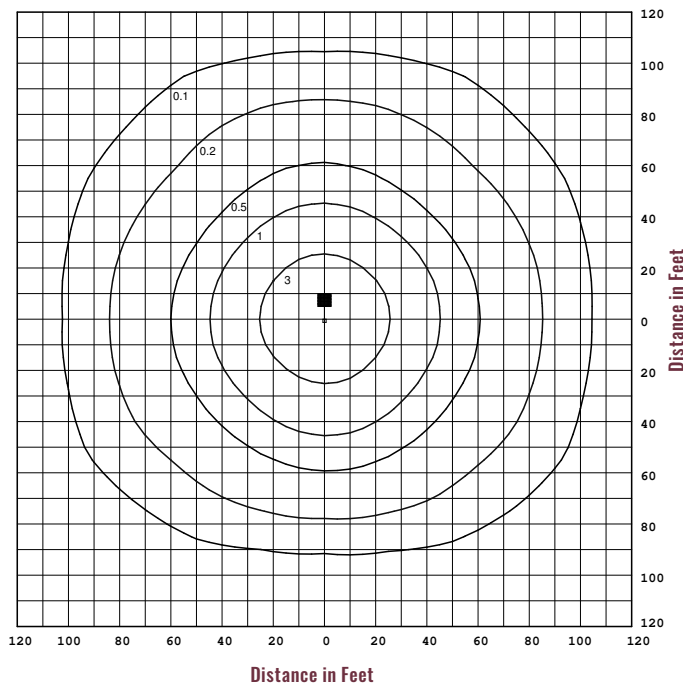
C-AR-A-AL4-29L-40K-UL-BZ

Mounted at 25' AFG
IES Classification Type IV



C-AR-A-AL5-29L-40K-UL-BZ

Mounted at 25' AFG
IES Classification Type V







Note: All published photometric testing performed to IES LM-79-08 standards. Fixture photometry was completed on a single representative fixture. Foot candle levels are noted inside graph.

C-AR-A-AL Series

WARRANTY AND CERTIFICATIONS

WARRANTY	cULus LISTED	DLC
5-Year Limited*	Wet Locations	Premium

ACCESSORIES

	<p>120-277V NEMA PHOTOCELL 3-PIN</p> <p>SKU: C-ACC-A-PCCELL-NEMA3-LV USE: Gray, dusk to dawn operation that turns fixture on at dusk and off at dawn. Twist lock style semi-electronic. Field installed.</p>
	<p>DIRECT ARM MOUNT</p> <p>SKU: C-AR-A-ALDM USE: Bronze, direct mount that's compatible with minimum 4" square poles, or round poles ranging from 5" to 6" in diameter. Can be adjusted up and down (vertically). Max tilt is 30°. Intended for use with the C-AR-A-AL Series only.</p>
	<p>TRUNNION MOUNT</p> <p>SKU: C-AR-A-ALTR USE: Bronze, trunnion mount is intended to be mounted directly to a wall or any flat surface that can hold the fixture. Maximum tilt angle for the fixture is 45°. Intended for use with the C-AR-A-AL Series only.</p>
	<p>2-INCH ADJUSTABLE SLIP FITTER MOUNT</p> <p>SKU: C-AR-A-ALSF USE: Bronze, 2-inch adjustable slip fitter works with a 2-3/8" tenon or pipe. Intended for use with the C-AR-A-AL Series only. Max tilt is 45°.</p>

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Rev. Date: V2 07/14/2021

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C-LITE
LED LIGHTING