

C-AR-A-SAL Series

LED Area Light | Field Selectable CCT & Wattage

Replaces up to 1000W PSMH

C-LITE
LED LIGHTING



CCT SELECTABLE, MULTIPLE MOUNTING OPTIONS AND EXCEPTIONAL PERFORMANCE

Illuminate your outdoor spaces with our innovative LED Area Light, a versatile lighting solution that offers advanced features and exceptional performance. Tailored to meet your specific lighting needs, this cutting-edge fixture provides CCT selectability, three mounting options (sold separately), and impressive outputs ranging from 11,300 lumens all the way up to 46,600 lumens.

With field selectable wattage options and the added assurance of cULus Listing and a standard 5-year warranty, it's the perfect choice for a wide range of applications.

PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: Up to 23,200 Lumens (**S22L**), Up to 30,700 Lumens (**S30L**), Up to 46,600 Lumens (**S45L**)
- CRI: ≥ 70
- CCT: Field selectable: 3000K, 4000K or 5000K
- Max Input Power: 150W (**S22L**), 200W (**S30L**), 300W (**S45L**)
- Dimmable: 0-10V dimming to 10%
- Operating Temperature Range: -40°F to 104°F (-40°C to 40°C)
- Estimated L_{70} Lifetime @ 25°C: > 100,000 hours
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Limited Warranty: 5 Years*
- Replaces 400W PSMH (**S22L & S30L**), 1000W MH (**S45L**)

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
<ul style="list-style-type: none"> • Includes 7-pin receptacle which complies with ANSI C136.41 standards (7-pin receptacle supports classic 3-pin standard photocells, as well as "smart" photocells for more advanced control strategies) • 3 mounting options • Shorting cap included • FCC Part 15, Subpart B, Class B limits for conducted and radiated emissions 	<ul style="list-style-type: none"> • General Area Lighting • Parking Areas • Perimeter Lighting 	<ul style="list-style-type: none"> • Universal (120V - 277V)

CERTIFICATIONS:

 **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov



C-AR-A-SAL Series

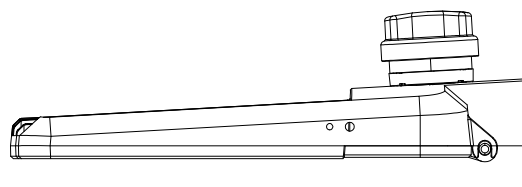
ORDERING INFORMATION

Example SKU: C-AR-A-SAL3-S22L-SCCT-UL-BZ

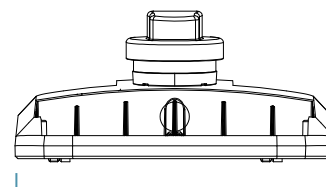
C-AR	A			SCCT	UL	BZ
PRODUCT	SERIES	DISTRIBUTION PATTERN	LUMEN PACKAGE*	FIELD SELECTABLE CCT	VOLTAGE	HOUSING COLOR
C-AR	A	SAL3 Type 3 distribution SAL4 Type 4 distribution SAL5 Type 5 distribution	S22L Up to 23,200 Lumens (Max. input 150W) S30L Up to 30,700 Lumens (Max. input 200W) S45L Up to 46,600 Lumens (Max. input 300W)	SCCT Warm White (3000K) Neutral White (4000K)* Cool White (5000K)	UL Universal 120V-277V	BZ Bronze

* Default settings at time of shipping are highest product wattage and 4000K.

S22L



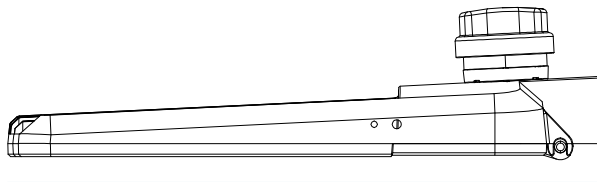
16" L



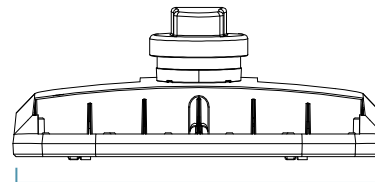
10" W

4-3/8" H

S30L



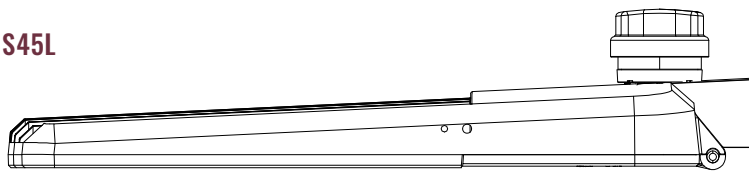
18-1/4" L



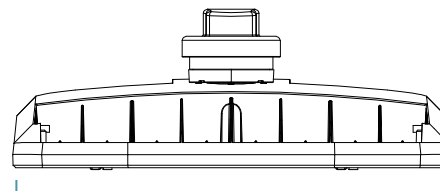
11-3/8" W

4-3/8" H

S45L



22-3/4" L



13-3/8" W

4-3/4" H

SERIES OVERVIEW

DIMENSIONS	PRODUCT WEIGHT	MOUNTING HEIGHT	SPACING
16" L x 10" W x 4-3/8" H (S22L)	7.5 lbs.	> 25 feet	4 to 5 times the mounting height
18-1/4" L x 11-3/8" W x 4-3/8" H (S30L)	8.7 lbs.		
22-3/4" L x 13-3/8" W x 4.75" H (S45L)	10.5 lbs.		

C-AR-A-SAL Series

FIXTURE SPECIFICATIONS

HOUSING	Bronze, durable aluminum extruded heat sink and die-cast housing. Comes standard with 3-foot cord and exposed leads.
LENS ASSEMBLY	Integrated UV stabilized polycarbonate diffuser lens with Type 3, 4 or 5 optical distribution.
MOUNTING	Mounting sold separately. 8-inch direct arm, 2-inch adjustable slip fitter or trunion mount options.

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 at full load	< 20% at full load

LUMEN PACKAGE*	REPLACES	SYSTEM WATTS	CURRENT DRAW (AMPS)			
			120V	208V	240V	277V
S22L	400W PSMH	150	1.25	0.72	0.63	0.54
		107	0.89	0.51	0.45	0.39
		75	0.63	0.36	0.31	0.27
S30L		200	1.67	0.96	0.83	0.72
		143	1.19	0.69	0.60	0.52
		100	0.83	0.48	0.42	0.36
S45L	1000W PSMH	300	2.50	1.44	1.25	1.08
		214	1.78	1.03	0.89	0.77
		150	1.25	0.72	0.63	0.54

TYPE III DISTRIBUTION

LUMEN PACKAGE*	REPLACES	INITIAL DELIVERED LUMENS & BUG RATINGS PER TM-15-20					
		3000K	BUG RATINGS**	4000K	BUG RATINGS**	5000K	BUG RATINGS**
S22L	400W PSMH	20,600	B3-U0-G3	23,200	B3-U0-G3	22,000	B3-U0-G3
		16,000	B3-U0-G3	18,000	B3-U0-G3	17,100	B3-U0-G3
		11,800	B2-U0-G2	13,300	B3-U0-G2	12,600	B2-U0-G2
S30L		27,100	B3-U0-G3	30,400	B4-U0-G3	28,900	B3-U0-G3
		20,900	B3-U0-G3	23,500	B3-U0-G3	22,300	B3-U0-G3
		15,500	B3-U0-G3	17,400	B3-U0-G3	16,500	B3-U0-G3
S45L	1000W PSMH	40,300	B4-U0-G4	45,300	B4-U0-G4	43,000	B4-U0-G4
		31,200	B4-U0-G3	35,100	B4-U0-G4	33,300	B4-U0-G4
		23,100	B3-U0-G3	25,900	B3-U0-G3	24,600	B3-U0-G3

* Default settings at time of shipping are highest product wattage and 4000K.

** 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.

C-AR-A-SAL Series

TYPE IV DISTRIBUTION

LUMEN PACKAGE*	REPLACES	INITIAL DELIVERED LUMENS & BUG RATINGS PER TM-15-20					
		3000K	BUG RATINGS**	4000K	BUG RATINGS**	5000K	BUG RATINGS**
S22L	400W PSMH	20,000	B3-U0-G3	22,500	B3-U0-G3	21,400	B3-U0-G3
		15,500	B3-U0-G2	17,400	B3-U0-G2	16,500	B3-U0-G2
		11,500	B2-U0-G2	12,900	B3-U0-G2	12,300	B3-U0-G2
S30L		27,100	B3-U0-G3	30,400	B4-U0-G3	28,900	B3-U0-G3
		20,900	B3-U0-G3	23,500	B3-U0-G3	22,300	B3-U0-G3
		15,500	B3-U0-G2	17,400	B3-U0-G2	16,500	B3-U0-G2
S45L	1000W PSMH	41,500	B4-U0-G4	46,600	B4-U0-G4	44,300	B4-U0-G4
		32,100	B4-U0-G3	36,100	B4-U0-G4	34,300	B4-U0-G4
		23,700	B3-U0-G3	26,600	B3-U0-G3	25,300	B3-U0-G3

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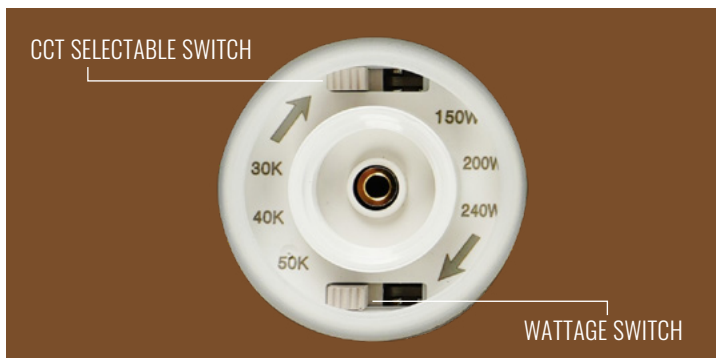
TYPE V DISTRIBUTION

LUMEN PACKAGE*	REPLACES	INITIAL DELIVERED LUMENS & BUG RATINGS PER TM-15-20					
		3000K	BUG RATINGS**	4000K	BUG RATINGS**	5000K	BUG RATINGS**
S22L	400W PSMH	19,800	B4-U0-G3	22,200	B4-U0-G3	21,100	B4-U0-G3
		15,300	B4-U0-G2	17,200	B4-U0-G2	16,300	B4-U0-G2
		11,300	B3-U0-G2	12,700	B3-U0-G2	12,100	B3-U0-G2
S30L		27,300	B4-U0-G3	30,700	B5-U0-G3	29,200	B5-U0-G3
		21,200	B4-U0-G3	23,800	B4-U0-G3	22,600	B4-U0-G3
		15,700	B4-U0-G2	17,600	B4-U0-G2	16,700	B4-U0-G2
S45L	1000W PSMH	40,700	B5-U0-G3	45,700	B5-U0-G4	43,400	B5-U0-G4
		31,500	B5-U0-G3	35,400	B5-U0-G3	33,600	B5-U0-G3
		23,200	B4-U0-G3	26,100	B4-U0-G3	24,800	B4-U0-G3

* Default settings at time of shipping are highest product wattage and 4000K.

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CCT & WATTAGE SELECTABLE SWITCH

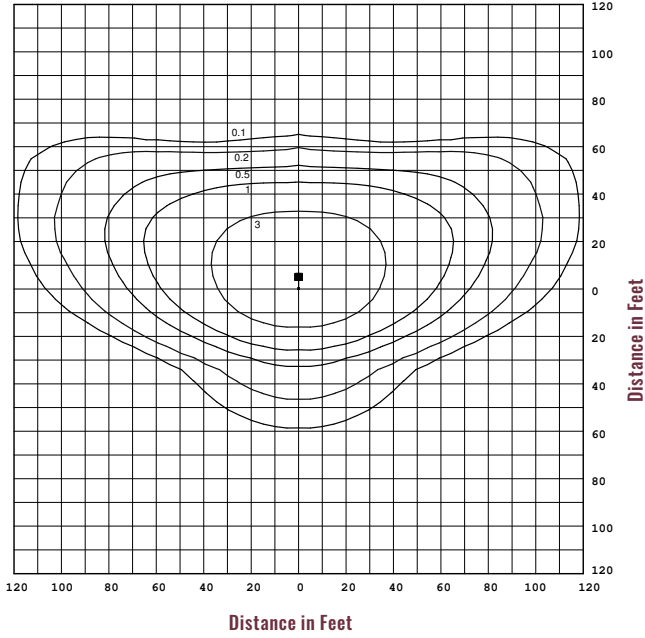


C-AR-A-SAL Series

ISO PLOT CHART

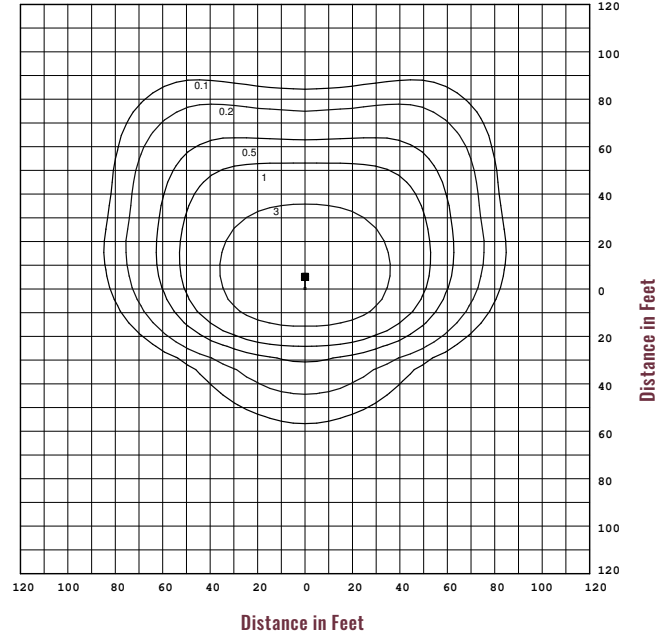
C-AR-A-SAL3_S30L-SCCT-UL-XX

Mounting Height: 25'



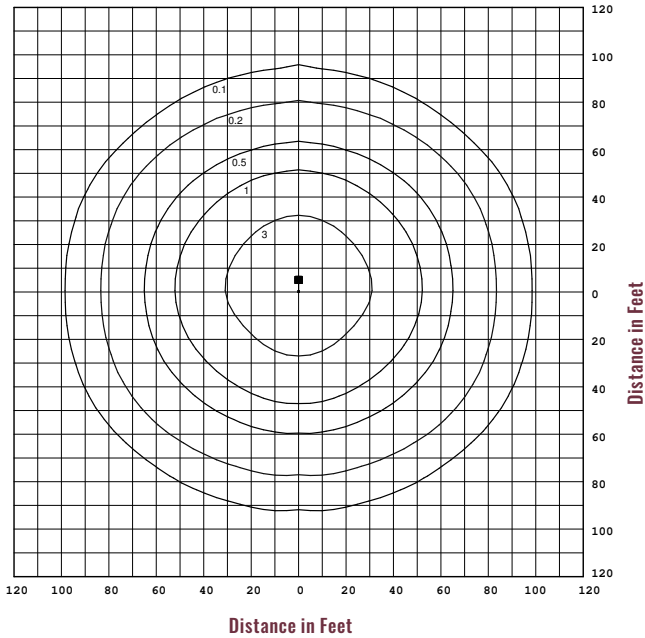
C-AR-A-SAL4-S30L-SCCT-UL-XX

Mounting Height: 25'



C-AR-A-SAL5-S30L-SCCT-UL-XX





Mounting Height: 25'



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

C-AR-A-SAL Series

ACCESSORIES







	<p>8-INCH DIRECT ARM MOUNT</p> <p>SKU: C-AR-A-SAL-DM USE: 8-inch adjustable direct arm mount with a bronze finish. For use with C-AR-A-SAL Series only. Max tilt is 10 degrees</p>
	<p>2-INCH ADJUSTABLE SLIP FITTER MOUNT</p> <p>SKU: C-AR-A-SAL-SF USE: 2-inch adjustable slip fitter mount with a bronze finish. Works with 2-3/8" OD tenon or pipe. For use with C-AR-A-SAL Series only. Max tilt is 45 degrees</p>
	<p>ADJUSTABLE TRUNNION MOUNT</p> <p>SKU: C-AR-A-SAL-TR USE: Adjustable trunnion mount with a bronze finish. For use with C-AR-A-SAL Series only. Max tilt is 45 degrees</p>
	<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>

WARRANTY AND CERTIFICATIONS

WARRANTY	cULus LISTED	DLC
5-Year Limited*	Wet Locations	5.1 Premium Refer to https://www.designlights.org/search/ for most current information.






C-AR-A-SAL Series

EPA DATA

Adjustable Slip Fitter Mount: C-AR-A-SAL-SF						
Luminaire	Welded Single Tenon	Double Bullhorn at 180°	Triple Bullhorn at 120°	Triple Bullhorn at 180°	Quad Bullhorn at 180°	Quad Bullhorn at 90°
	Tenon Configuration: EPA shown below already factors in the tenon (E-PT***) EPA. N/A means fixture should not be positioned at these tilt angles.					
						
	C-AR-A-SAL-SF	E-PT2E180DB	E-PT3E120DB	E-PT3E180DB	E-PT4E180DB	E-PT4E90DB
0° Tilt						
S22L	0.47	1.94	2.42	3.01	4.18	3.25
S30L	0.50	2.00	2.52	3.10	4.30	3.35
S45L	0.63	2.26	2.94	3.49	4.82	3.81
10° Tilt						
S22L	0.47	1.94	2.60	3.01	4.18	3.25
S30L	0.53	2.06	2.79	3.19	4.42	3.40
S45L	0.70	2.40	3.36	3.70	5.10	3.91
20° Tilt						
S22L	0.59	2.18	2.88	3.37	4.66	3.43
S30L	0.71	2.42	3.18	3.73	5.14	3.67
S45L	0.98	2.96	3.97	4.54	6.22	4.33
30° Tilt						
S22L	0.70	2.40	3.13	3.70	5.10	3.59
S30L	0.85	2.70	3.52	4.15	5.70	3.88
S45L	1.19	3.38	4.49	5.17	7.06	4.65
45° Tilt						
S22L	0.81	2.62	3.43	4.03	5.54	3.76
S30L	1.00	3.00	3.92	4.60	6.30	4.10
S45L	1.40	3.80	5.07	5.80	7.90	4.96
60° Tilt						
S22L	N/A	N/A	N/A	N/A	N/A	N/A
S30L	N/A	N/A	N/A	N/A	N/A	N/A
S45L	N/A	N/A	N/A	N/A	N/A	N/A
70° Tilt						
S22L	N/A	N/A	N/A	N/A	N/A	N/A
S30L	N/A	N/A	N/A	N/A	N/A	N/A
S45L	N/A	N/A	N/A	N/A	N/A	N/A
80° Tilt						
S22L	N/A	N/A	N/A	N/A	N/A	N/A
S30L	N/A	N/A	N/A	N/A	N/A	N/A
S45L	N/A	N/A	N/A	N/A	N/A	N/A
90° Tilt						
S22L	N/A	N/A	N/A	N/A	N/A	N/A
S30L	N/A	N/A	N/A	N/A	N/A	N/A
S45L	N/A	N/A	N/A	N/A	N/A	N/A

C-AR-A-SAL Series

EPA DATA

Direct Arm Mount: C-AR-A-SAL-DM				
Pole Mounting Configuration		Luminaire		
		C-AR-A-SAL-22L	C-AR-A-SAL-30L	C-AR-A-SAL-45L
Single Direct Mount		0.52	0.55	0.68
Double Direct Mount @ 180°		1.04	1.10	1.36
Double Direct Mount @ 90°		0.71	0.76	0.95
Triple Direct Mount @ 90°		1.23	1.31	1.63
Quad Direct Mount @ 90°		1.42	1.52	1.90

Note: If using direct arm mount, pole must be drilled in the field.

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