

C-AR-A-SAL Series

LED Area Light w/ Mounting Option Included | Field Selectable CCT & Wattage (excluding 14L Series)

Replaces up to 1000W PSMH

C-LITE
LED LIGHTING

14L



14L series shown with slip fitter (SF) mount.

S30L



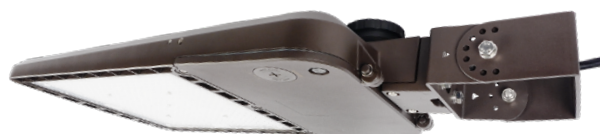
S30L Series shown with direct arm (DM) mount.

S22L



S22L series shown with slip fitter (SF) mount.

S45L



S45L Series shown with trunion (TR) mount.

CCT & WATTAGE SELECTABLE OPTIONS, MULTIPLE MOUNTING CHOICES & DEPENDABLE PERFORMANCE

Illuminate your outdoor spaces with our exceptional LED Area Light, a versatile lighting solution that offers advanced features and remarkable performance. Tailored to meet your specific lighting needs, this superior fixture provides CCT and wattage selectable options, included mounting accessories - three options to choose from, 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. Don't need a field selectable option? No problem - choose our 14L Series instead. We have many options to choose from for any application you may need.

PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: Up to 14,500 lumens (**14L**), 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 (S22L, S30L, S45L).
- Choose 4000K or 5000K at time of purchase (14L is not field selectable).
- Max Input Power: 100W (**14L**), 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 MH (**14L**), 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 to choose fromShorting cap includedFCC Part 15, Subpart B, Class B limits for conducted and radiated emissions	<ul style="list-style-type: none">General Area LightingParking AreasPerimeter Lighting	<ul style="list-style-type: none">Universal (120V - 277V)

CERTIFICATIONS:

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

Rev. Date: V2 01/31/2024

For informational purposes only. Content is subject to change.



*Not applicable on 14L unit.

C-AR-A-SAL Series

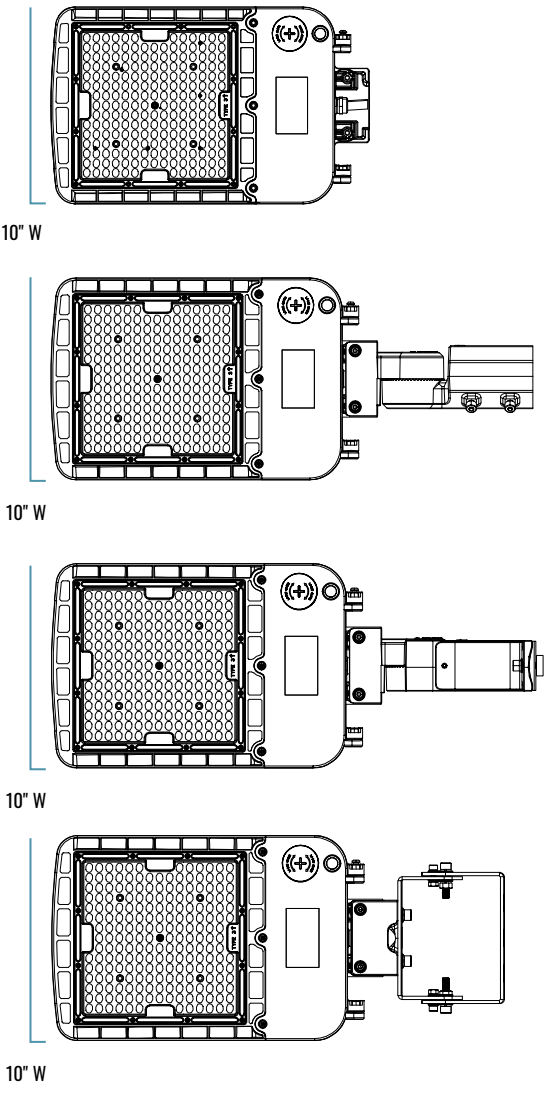
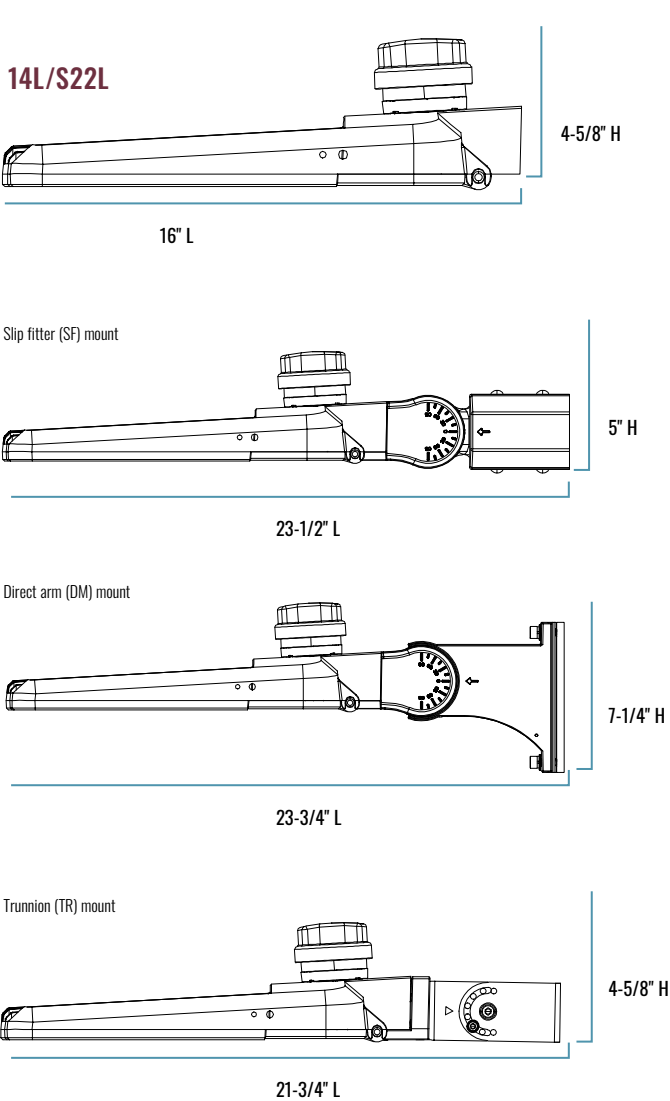
ORDERING INFORMATION

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

C-AR	A			SCCT	UL	BZ	
PRODUCT	SERIES	DISTRIBUTION PATTERN	LUMEN PACKAGE*	FIELD SELECTABLE CCT	VOLTAGE	HOUSING COLOR	MOUNTING OPTION
C-AR	A	SAL3 Type 3 distribution SAL4 Type 4 distribution SAL5 Type 5 distribution	14L 14,400 Lumens (4000K) or 14,500 Lumens (5000K) (Max. input 100W) Only available in Type 3 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	SF 2-inch adjustable slip fitter DM 8-inch direct arm TR Trunnion mount

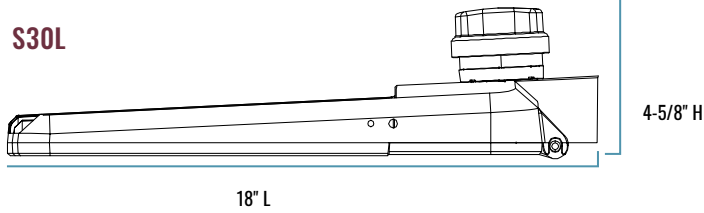
* Default settings at time of shipping are highest product wattage and 4000K.

**Field selectable technology not available for 14L unit.

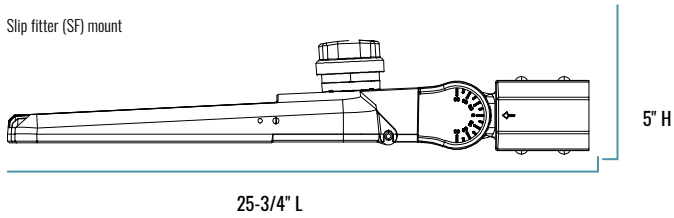


C-AR-A-SAL Series

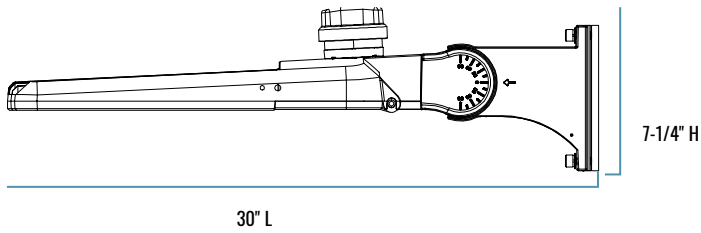
S30L



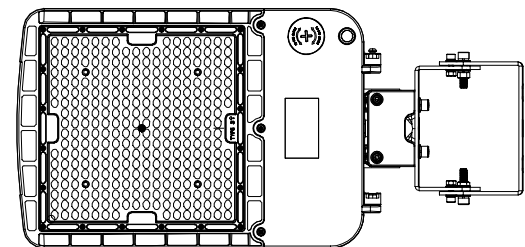
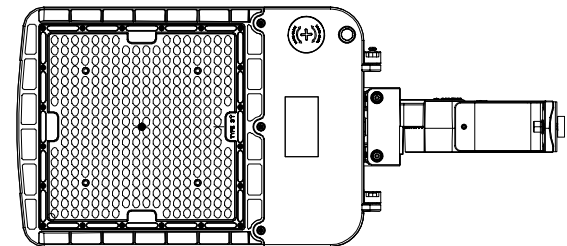
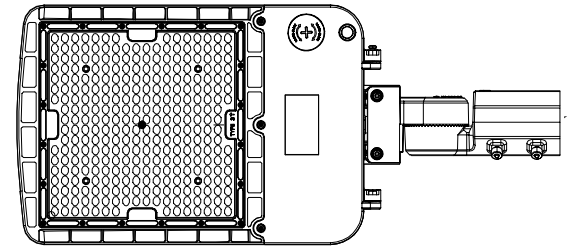
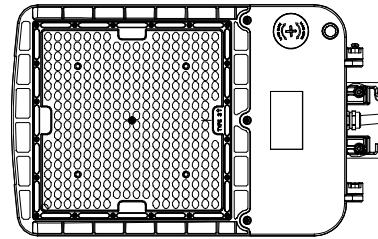
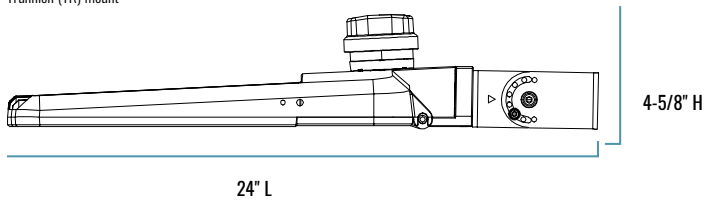
Slip fitter (SF) mount



Direct arm (DM) mount

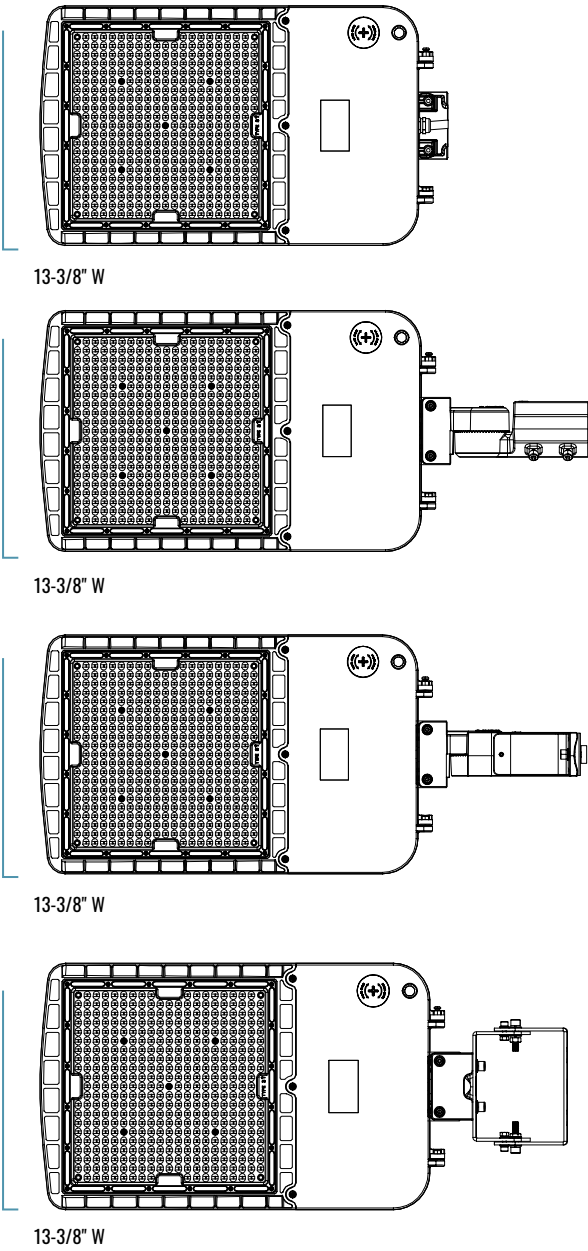
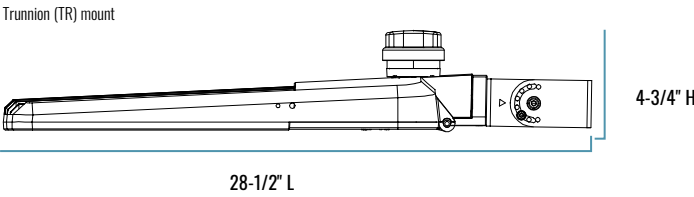
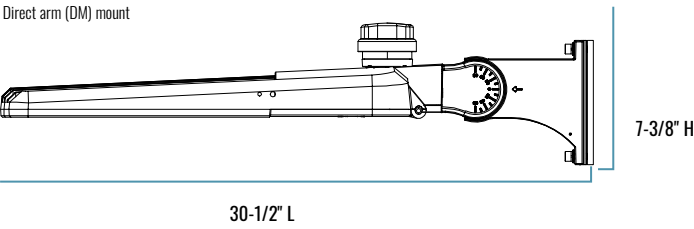
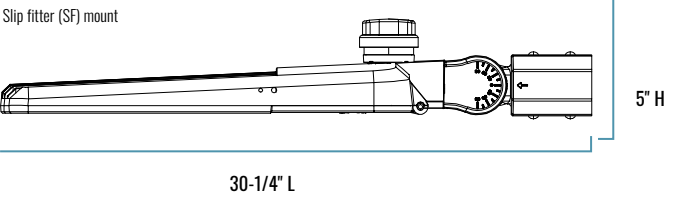
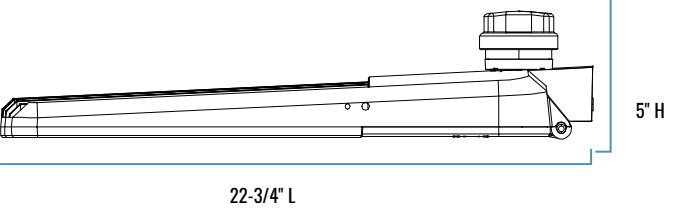


Trunnion (TR) mount



C-AR-A-SAL Series

S45L






C-AR-A-SAL Series

SERIES OVERVIEW

DIMENSIONS	WEIGHT	MOUNTING HEIGHT	SPACING
2" Adjustable Fitter: (14L Series) 16" L x 10" W x 4-3/8" H (S22L Series) 23-1/2" L x 10" W x 5" H (S30L Series) 25-3/4" L x 11-3/8" W x 5" H (S45L Series) 30-1/4" L x 13-3/8" W x 5" H	(14L Series) 7.3 lbs. (S22L Series) 8.53 lbs. (S30L Series) 9.5 lbs. (S45L Series) 13.27 lbs.	> 25 feet	4 to 5 times the mounting height
Direct Arm Mount: (14L Series) 16" L x 10" W x 4-3/8" H (S22L Series) 23-3/4" L x 10" W x 7-1/4" H (S30L Series) 30" L x 11-3/8" W x 7-1/4" H (S45L Series) 30-1/2" L x 13-3/8" W x 7-3/8" H	(14L Series) 7.3 lbs. (S22L Series) 9.73 lbs. (S30L Series) 10.7 lbs. (S45L Series) 14.47 lbs.		
Trunnion Mount: (14L Series) 16" L x 10" W x 4-3/8" H (S22L Series) 21-3/4" L x 10" W x 4-5/8" H (S30L Series) 24" L x 11-3/8" W x 4-5/8" H (S45L Series) 28-1/2" L x 13-3/8" W x 4-3/4" H	(14L Series) 7.3 lbs. (S22L Series) 8.63 lbs. (S30L Series) 9.6 lbs. (S45L Series) 13.37 lbs.		
No Mount: (14L Series) 16" L x 10" W x 4-3/8" H (S22L Series) 16" L x 10" W x 4-5/8" H (S30L Series) 18" L x 11-3/8" W x 4-5/8" H (S45L Series) 22-3/4" L x 13-3/8" W x 5" H	(14L Series) 7.3 lbs. (S22L Series) 7.5 lbs. (S30L Series) 8.7 lbs. (S45L Series) 10.5 lbs.		

**Product comes with your choice of mounting at time of order. Cannot be purchased without mounting hardware.

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	Your choice of mounting hardware is included. Mounting options to choose from: SF: 2-inch adjustable fitter with a bronze finish. Works with 2-3/8" OD tenon or pipe. For use with C-AR-A-SAL Series only.	
	DM: 8-inch direct arm with a bronze finish. Mounts directly to square or round light poles. Square light poles: recommended for use on 4-inches or larger. Round light poles: recommended for use on diameters that range from 4 to 5-inches. Max tilt is 10 degrees. For use with C-AR-A-SAL Series only.	
	TR: Adjustable trunnion mount with a bronze finish. Max tilt is 45 degrees. For use with C-AR-A-SAL Series only.	

C-AR-A-SAL Series

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
14L	400W MH	100	0.92	0.53	0.46	0.40
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
		200	1.67	0.96	0.83	0.72
S30L		143	1.19	0.69	0.60	0.52
		100	0.83	0.48	0.42	0.36
		S45L	300	2.50	1.44	1.25
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**
14L	400W MH	N/A	N/A	14,400	B3-U2-G3	15,500	B3-U2-G3
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
	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

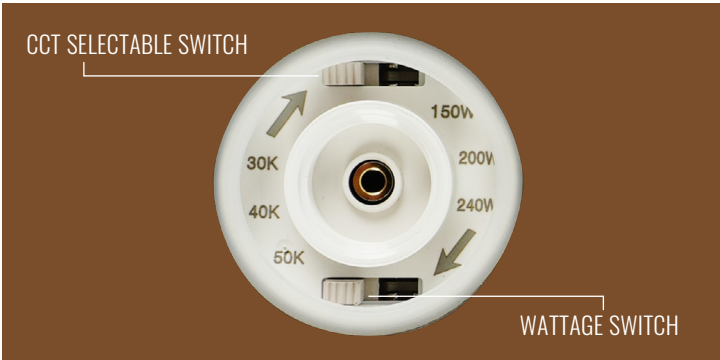
* Default settings at time of shipping are highest product wattage and 4000K.
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

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.
** 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.

CCT & WATTAGE SELECTABLE SWITCH



Note: Not applicable on 14L Series unit.

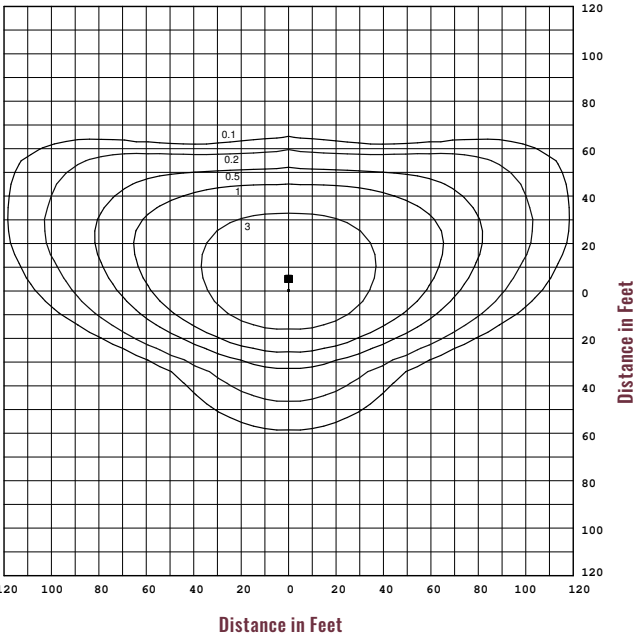
C-AR-A-SAL Series

ISO PLOT CHARTS

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.

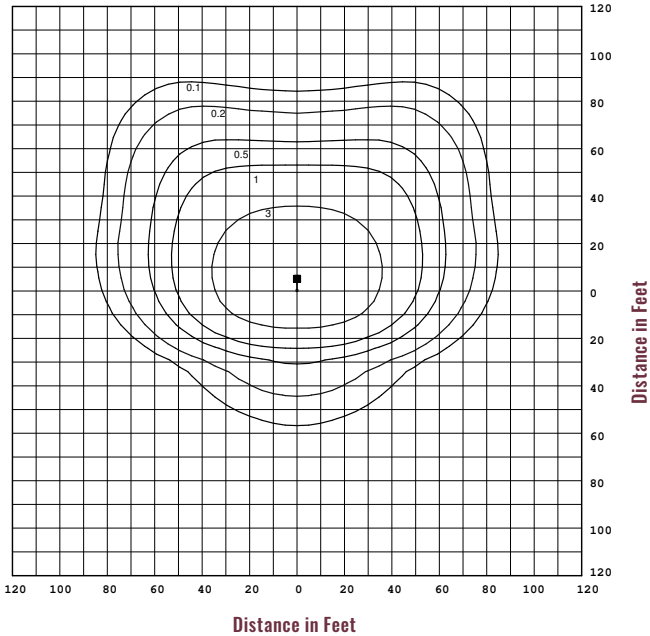
C-AR-A-SAL3_S30L-SCCT-UL-XX

Mounting Height: 25'



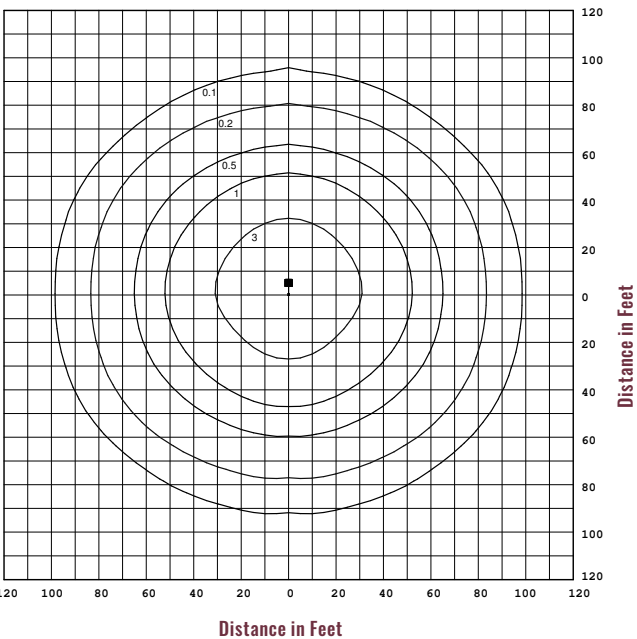
C-AR-A-SAL4-S30L-SCCT-UL-XX

Mounting Height: 25'



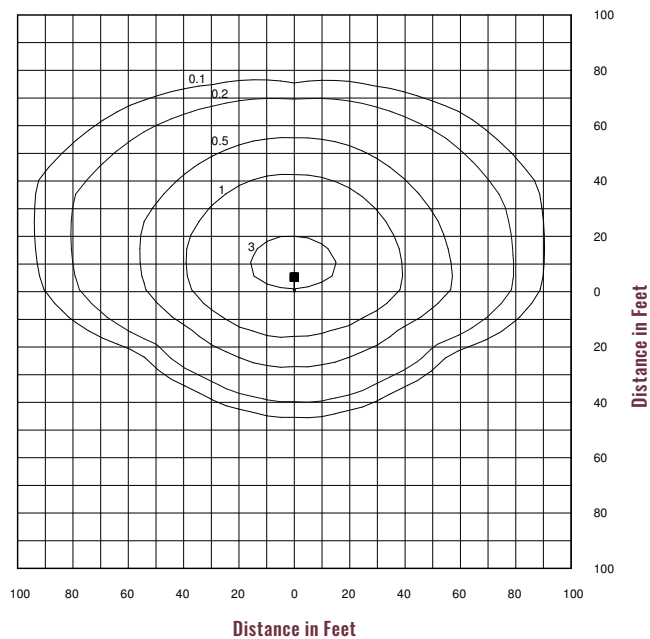
C-AR-A-SAL5-S30L-SCCT-UL-XX

Mounting Height: 25'



C-AR-A-SAL3-14-40K

Mounting Height: 25'

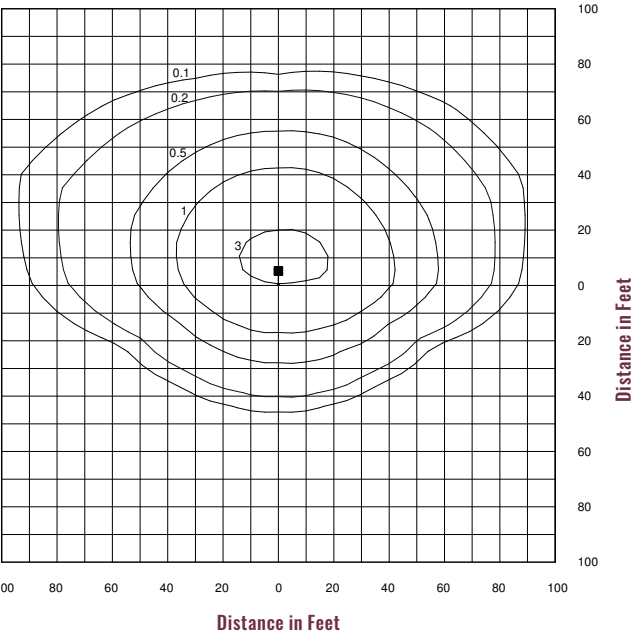


Note: All published photometric testing performed to IES LM-79 standards. Fixture photometry was completed on a single representative fixture. Foot candle levels are noted inside graph.

C-AR-A-SAL Series


C-AR-A-SAL3-14-50K

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.

ACCESSORIES







	120-277V NEMA PHOTOCELL 3-PIN
	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.

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						
14L	0.47	1.94	2.42	3.01	4.18	3.25
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						
14L	0.47	1.94	2.42	3.01	4.18	3.25
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						
14L	0.59	2.18	2.88	3.37	4.66	3.43
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						
14L	0.70	2.40	3.13	3.70	5.10	3.59
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						
14L	0.81	2.62	3.43	4.03	5.54	3.76
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						
14L	N/A	N/A	N/A	N/A	N/A	N/A
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						
14L	N/A	N/A	N/A	N/A	N/A	N/A
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						
14L	N/A	N/A	N/A	N/A	N/A	N/A
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						
14L	N/A	N/A	N/A	N/A	N/A	N/A
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-14L	C-AR-A-SAL-S22L	C-AR-A-SAL-S30L	C-AR-A-SAL-S45L
Single Direct Mount		0.52	0.52	0.55	0.68
Double Direct Mount @ 180°		1.04	1.04	1.10	1.36
Double Direct Mount @ 90°		0.71	0.71	0.76	0.95
Triple Direct Mount @ 90°		1.23	1.23	1.31	1.63
Quad Direct Mount @ 90°		1.42	1.42	1.52	1.90

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

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