



# SR

## OUTDOOR PRODUCTS Outdoor flood light



The SR Series combines the desire for high efficacy and a distinguished look in an outdoor luminaire. The SR Series is the ideal luminaire for your outdoor space as its robust housing can withstand the harshest of outdoor elements. It comes in a variety of power and CCT variations. Its flood light distribution offers the ideal solution for lighting spaces such as alleys, docks, doorways, and all pathways.

Project: \_\_\_\_\_

Qty: \_\_\_\_\_

Notes: \_\_\_\_\_

### OPERATING & ELECTRICAL

**Input voltage** 120-277Vac, 277-480Vac

**Power factor** 0.9

**Total harmonic distortion (THD)** <20%

### PERFORMANCE

**Lumens per Watt** 135 LPW at 70CRI

**Power** 100, 150, 240, 300W

**Distribution** Types 2, 3, 4, 5

### MECHANICAL & HOUSING

**Housing** Aluminum die cast housing for superior heat dissipation, strength, and rigidity.

**Lens** UV resistant, polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.

**Finish** Powder coat finish for the toughest outdoor conditions. Available in black, and bronze color options.

### Power Supply

Factory wired electronic LED driver

**LED Board** Light emitted source

### APPLICATION CONDITION

**Ambient temperature range** -30 to 40°C

**Protection** LED fixture IP65 rated

### COMPATIBLE MOUNTING

**Mounting** U-bracket

### WARRANTY

**System warranty** 5 years

**Lumen maintenance** Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

### ORDERING GUIDE

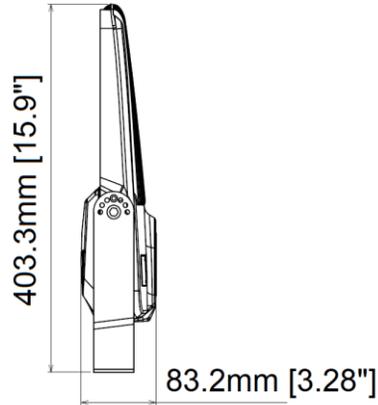
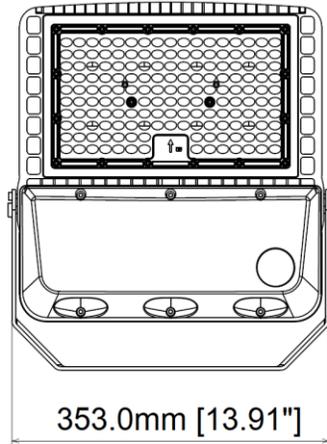
EXAMPLE: AE-OD-SR100L-30-D-T2-BZ

AE-OD-SR	100	L	-30	-D	-T2	-BZ
FIXTURE FAMILY	POWER	VOLTAGE	CCT	CONTROLS	DISTRIBUTION	FINISH
AE-OD-SR Aeralux SR Series outdoor flood light fixture	<b>100</b> 100 Watts: 13,500 lumens	<b>L</b> 120-277Vac input voltage range	<b>-30</b> 3000K CCT	<b>-D</b> 0-10V external dimming down to 10%	<b>-T2</b> Type 2 distribution	<b>-BZ</b> Bronze powder coat finish
	<b>150</b> 150 Watts: 20,250 lumens		<b>-40</b> 4000K CCT		<b>-T3</b> Type 3 distribution	
	<b>240</b> 240 Watts: 32,400 lumens	<b>H</b> 277-480Vac input voltage range	<b>-50</b> 5000K CCT	<b>-P</b> Photocell sensor	<b>-T4</b> Type 4 distribution	<b>-BK</b> Black powder coat finish
	<b>300</b> 300 Watts: 40,500 lumens		<b>-T5</b> Type 5 distribution			

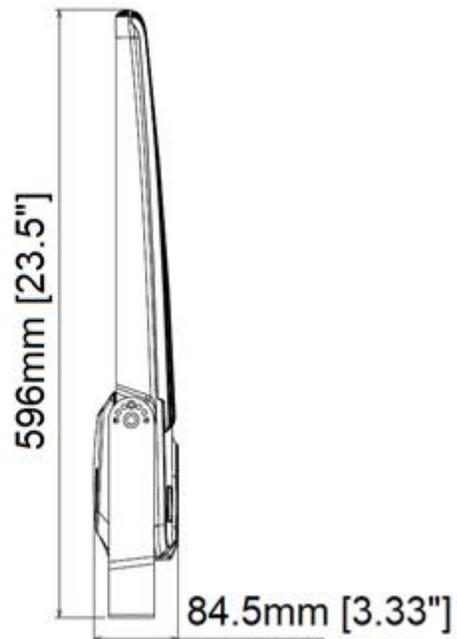
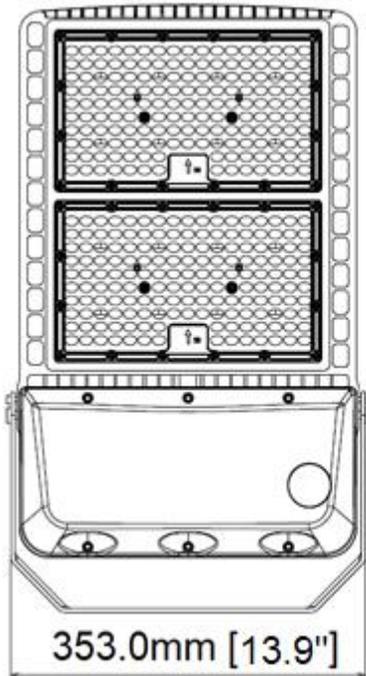


### PRODUCT DIMENSIONS

AE-OD-SR-100W, AE-OD-SR-150W



AE-OD-SR-240W, AE-OD-SR-300W



### EPA (Effective Projected Area)

POWER	EPA
100W & 150W	1.52 FT <sup>2</sup>
200W & 300W	2.32 FT <sup>2</sup>

## LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (70CRI)	0.91	0.94	0.97	1

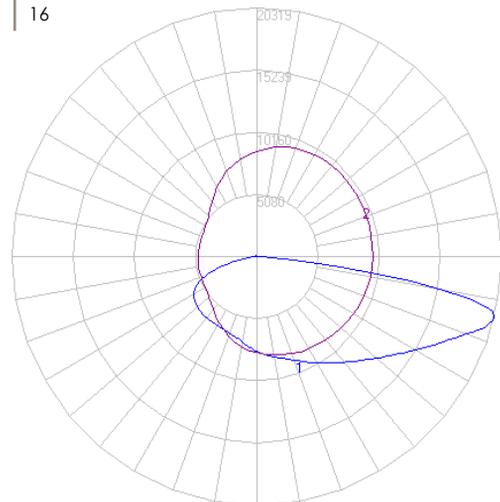
## PHOTOMETRIC DATA

AE-OD-SR300L-50-X-T3-XX

Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
	119	119	119	119	116	116	111	111	106	106	99
1	106	100	95	91	98	89	93	86	89	83	78
2	94	84	76	69	82	69	79	67	75	65	61
3	84	72	62	55	70	54	67	53	64	52	48
4	76	62	52	44	61	44	58	43	55	42	39
5	69	55	44	37	53	36	51	36	49	35	32
6	63	48	38	31	47	31	45	30	43	30	27
7	58	43	34	27	42	27	41	26	39	26	23
8	54	39	30	23	38	23	37	23	35	23	20
9	50	36	27	21	35	20	34	20	32	20	18
10	47	33	24	18	32	18	31	18	30	18	16

Luminance data			
Angle	0°	45°	90°
45°	206871	120066	93010
55°	228174	134921	103366
65°	143098	151717	117645
75°	26364	56986	124915
85°	12701	3685	11235

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	734.34	90-100	30.41
10-20	2140.3	100-110	41.68
20-30	3515.16	110-120	48.11
30-40	4924.85	120-130	49.19
40-50	6354.94	130-140	45.67
50-60	7578.9	140-150	38.31
60-70	7715.25	150-160	28.64
70-80	5464.11	160-170	17.83
80-90	750.46	170-180	6.12





### MULTIPLE POWER LEVELS

Lumen packages range from 13,500 to 40,500 lumens.

### COLORWAYS

Bronze, and black finishes standard but inquire about custom finishes.

### DISTRIBUTIONS

Types 2, 3, 4, 5 distributions available for your floodlight to enhance your outdoor project space.

### PREMIUM MATERIALS

Constructed from aluminum die-cast for superior thermal heat dissipation and increased housing strength against the outdoor elements.



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