



# JR

## OUTDOOR PRODUCTS

Outdoor flood light



The JR Series combines the desire for high efficacy and a distinguished look in an outdoor luminaire. The JR 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** 120-277V

**Power factor** 0.9

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

**Dimming** No dimming

### PERFORMANCE

**Lumens per Watt** 100-120 LPW at 80CRI

**Power** 20, 30, 50W

**Distribution** 7H7V

### 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, nebula white, aluminum (RAL9006) and bronze color options.

**Power Supply** Factory wired electronic LED driver

**LED Board** Discrete LED

### APPLICATION CONDITION

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

**Protection** LED fixture IP65 rated

**Surge protection** Line-Line 1KV, Line-FG 2KV

### COMPATIBLE MOUNTING

**Mounting** ½" knuckle mount, 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-JR-20-A-40-BZ

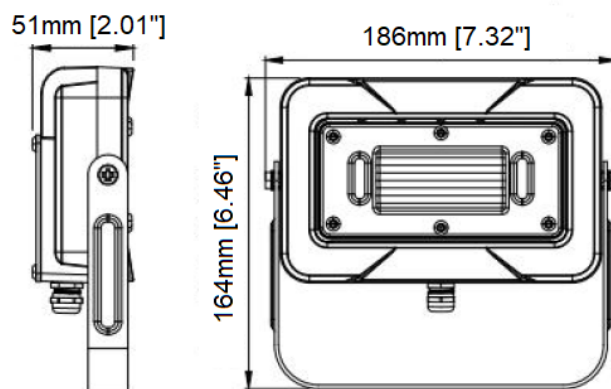
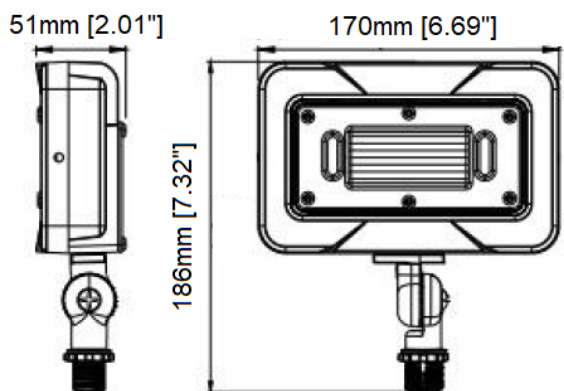
AE-OD-JR	-20W	-A	-40	BZ
FIXTURE FAMILY	POWER	MOUNTING TYPE	CCT	FINISH
AE-OD-JR Aeralux JR Series outdoor flood light fixture	<b>-20W</b> 20 Watts: 2,200 lumens	<b>-A</b> ½" knuckle bracket mounting method	<b>-40</b> 4000K CCT	<b>BZ</b> Bronze powder coat finish
	<b>-30W</b> 30 Watts: 3,300 lumens	<b>-B</b> U-bracket mounting method	<b>-50</b> 5000K CCT	<b>BK</b> Black powder coat finish
	<b>-50W</b> 50 Watts: 6,000 lumens			<b>WH</b> Aeralux nebula white powder coat finish*
				<b>AL</b> Aluminum (RAL9006) powder coat finish*

\*Contact for details on leadtime and availability

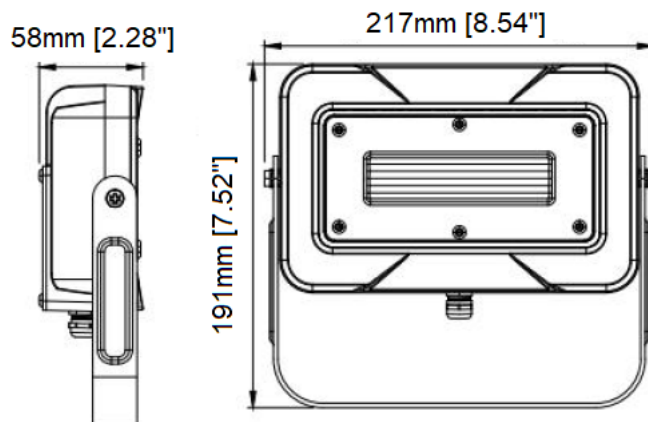
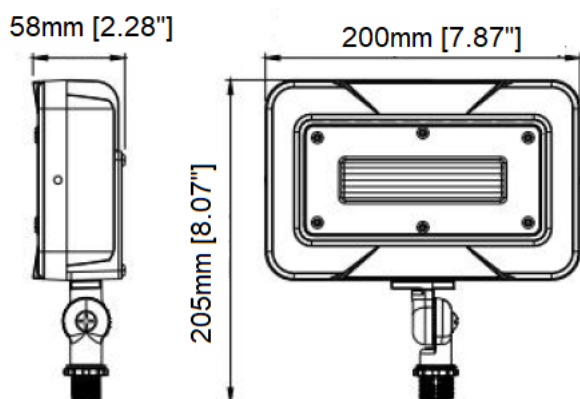


## PRODUCT DIMENSIONS

AE-OD-JR-20W, AE-OD-JR-30W



AE-OD-JR-50W



## EPA (Effective Projected Area) WITH ACCESSORIES

POWER	ACCESSORIES	EPA
20W & 30W	½" knuckle bracket	0.0837 FT <sup>2</sup>
	U-bracket	0.0811 FT <sup>2</sup>

POWER	ACCESSORIES	EPA
50W	½" knuckle bracket	0.1064 FT <sup>2</sup>
	U-bracket	0.1095 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

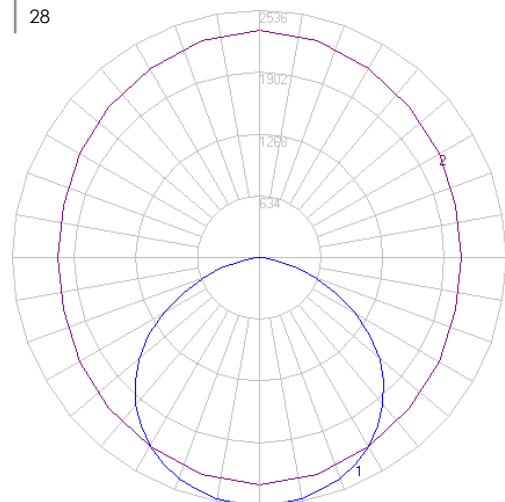
## PHOTOMETRIC DATA

AE-OD-JR-50W-B-40-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%										
Room Cavity Ratio	119	119	119	119	116	116	111	111	106	106	100
	110	106	102	99	104	97	100	94	96	91	87
	2	101	94	88	83	92	82	89	80	85	78
	3	93	84	76	70	82	70	79	68	76	67
	4	86	75	67	60	73	60	71	59	69	58
	5	79	67	59	53	66	52	64	52	62	51
	6	73	61	53	46	60	46	58	46	56	45
	7	68	55	47	41	55	41	53	41	52	41
	8	64	51	43	37	50	37	49	37	48	37
	9	60	47	39	34	46	33	45	33	44	33
	10	56	43	36	31	43	30	42	30	41	30

Luminance data			
Angle	0°	45°	90°
45°	170536	187031	242113
55°	129011	144659	230999
65°	84487	87228	195734
75°	53237	47889	152748
85°	21141	23946	53395

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	239.04	90-100	2.07
10-20	679.41	100-110	1.64
20-30	1008.62	110-120	1.78
30-40	1168.22	120-130	2.15
40-50	1126.88	130-140	2.34
50-60	868.44	140-150	2.66
60-70	493.21	150-160	2.99
70-80	204.76	160-170	2.6
80-90	39.51	170-180	1.06



### MOUNTING METHOD

Select from 1/2" knuckle mount or U-bracket mounting methods.



### PREMIUM DESIGN & MATERIALS

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

Integrated heat sink built into the fixture's housing provides long lasting LED and driver function.

### SELECTIVITY

Choose from a variety of power, color temperature, and finish options enable you to customize your unique fixture to your project space.



### PROTECTION

Integrated surge protection, LED fixture and driver IP65 rated all allows for protection against harsh environmental conditions.

