



# ASPIRE

## OUTDOOR PRODUCTS

Outdoor wall pack light



The ASPIRE Series is a high quality, durable, and elegant wall pack LED fixture. Its robust structure allows it to be rated for both wet and dusty locations and is fully functional in a large temperature range. The ASPIRE comes in a variety of power and CCT options, while providing a luminous efficacy of 130 LPW.

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

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

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

### OPERATING & ELECTRICAL

**Input voltage** 120-277V, 277-480V  
**Power factor** 0.9  
**Total harmonic distortion (THD)** <20%  
**Dimming** 0-10V external dimming down to 10%

### PERFORMANCE

**Lumens per Watt** 130 LPW at 80CRI  
**Power** 40, 60, 90, 120W  
**Beam angle** 90° x 100°

### 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** -40 to 40°C  
**Protection** Wet location, dustproof fixture

### COMPATIBLE MOUNTING

**Mounting** Surface, wall mounted

### WARRANTY

**System warranty** 5 years

**Lumen maintenance** Rated for 70% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 50,000 hours)

### ORDERING GUIDE

EXAMPLE: AE-WP-AP-28W-H-40K-BZ

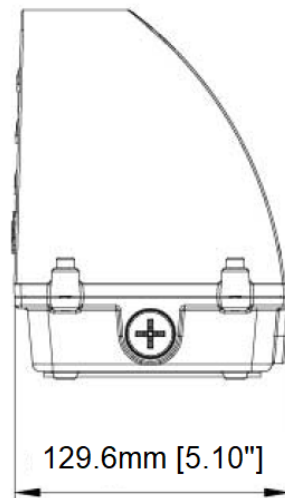
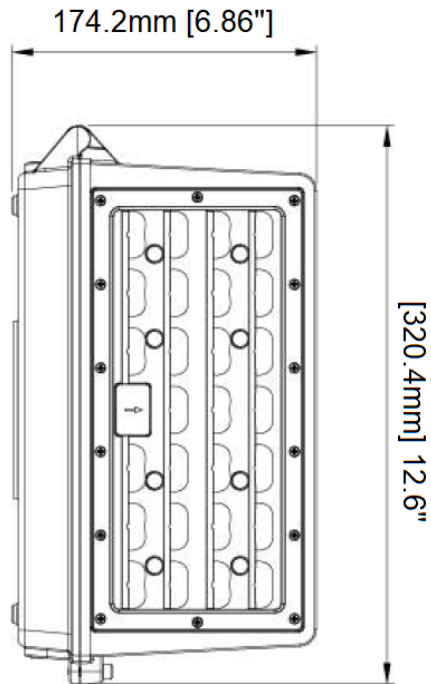
AE-WP-AP-	28W-	H-		40K-	PC	BZ
FIXTURE FAMILY	POWER	PERFORMANCE	INPUT VOLTAGE	CCT	CONTROLS	FINISH
AE-WP-AP- Aeralux Aspire Series outdoor wall pack light fixture	28W- 28 Watts: 3,640 lumens	H- Premium light diffusion	BLANK 120-277Vac input voltage range	40K- 4000K CCT	PC- Photocell daylight sensor (Not available for HV option)	BZ Bronze powder coat finish
	40W- 40 Watts: 5,200 lumens			50K- 5000K CCT		
	60W- 60 Watts: 7,800 lumens		HV- 277-480Vac input voltage range	BLANK NONE		
	80W- 80 Watts: 10,400 lumens					





**PRODUCT DIMENSIONS**

AE-WP-AP





## 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 (80CRI)	0.91	0.94	0.97	1

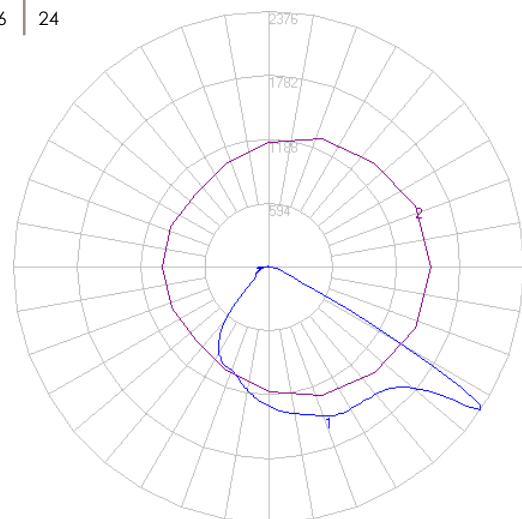
## PHOTOMETRIC DATA

AE-WP-AP28W-H-XX-50XX

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	110	110	105	105	99
1	109	105	101	97	102	96	98	92	94	89	84
2	100	92	85	80	90	79	86	77	83	75	71
3	91	81	73	66	79	66	76	64	73	63	60
4	83	71	63	56	70	56	67	55	65	54	51
5	76	64	55	48	62	48	60	47	58	47	44
6	70	57	48	42	56	42	54	41	52	41	38
7	65	52	43	37	51	37	49	36	47	36	33
8	60	47	38	33	46	32	45	32	43	32	30
9	56	43	35	29	42	29	41	29	40	29	27
10	53	40	32	26	39	26	38	26	37	26	24

Luminance data			
Angle	0°	45°	90°
45°	47468	38212	25107
55°	82437	49163	22704
65°	16829	57376	17848
75°	9337	16078	6627
85°	8093	12059	6368

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	122.63	90-100	7.82
10-20	352.67	100-110	7.27
20-30	550.17	110-120	7.5
30-40	683.44	120-130	7.19
40-50	714.92	130-140	6.49
50-60	758.27	140-150	5.67
60-70	448.63	150-160	4.44
70-80	121.93	160-170	2.86
80-90	43.18	170-180	0.99





## PREMIUM MATERIALS

Constructed from aluminum die-cast for superior heat dissipation and thermal management while maintaining excellent fixture strength and rigidity.

## TEMPERATURE

Fixture suitable for temperature ranges from -40 to +40 degrees celsius.



## INTELLIGENT DESIGN

Side and rear knockouts for different mounting types and accessories such as photocell and additional sensors.

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