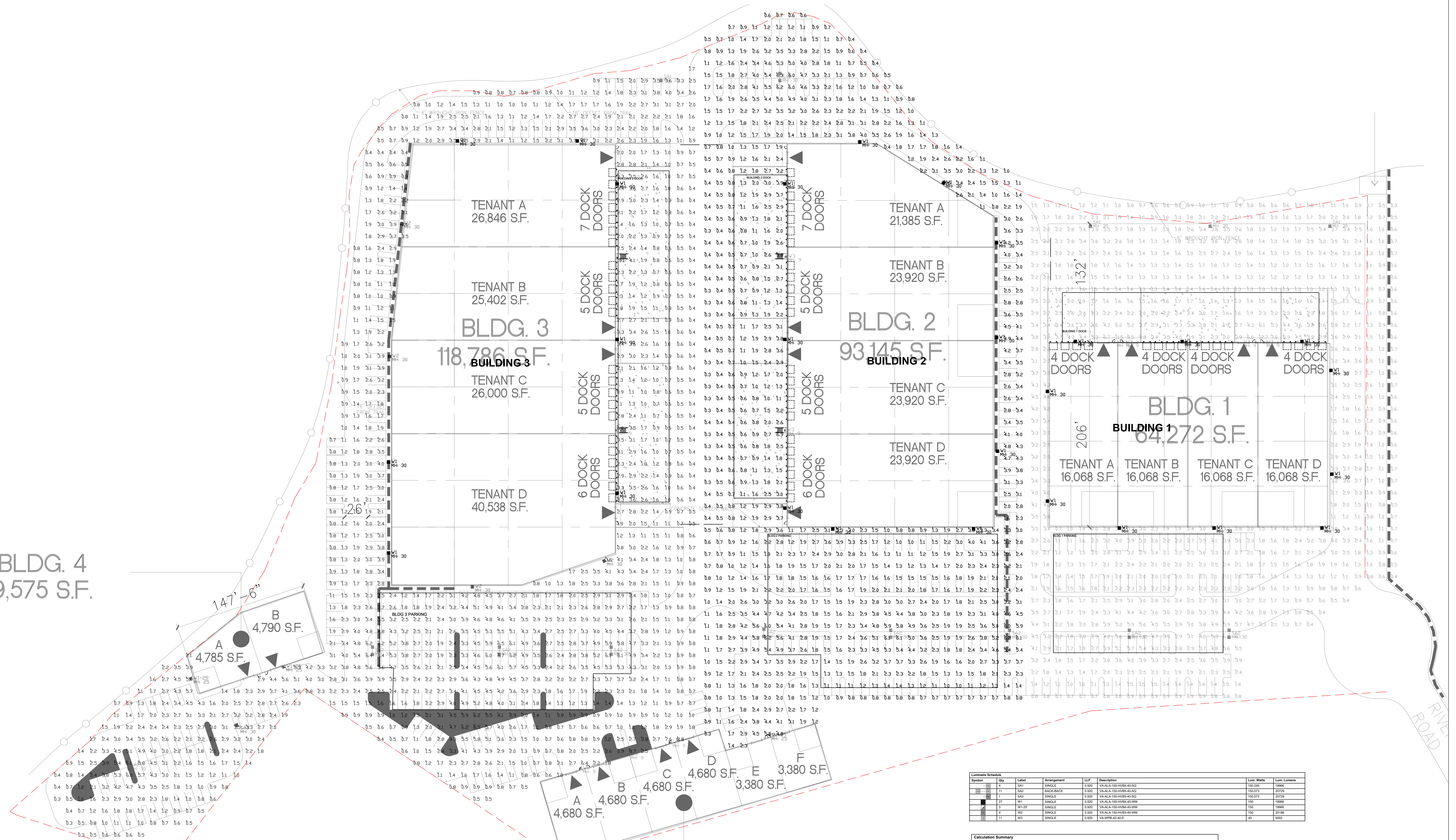


BLDG. 4
9,575 S.F.



18831 Bardeen Ave. - Ste. #100
Irvine, CA 92612
(949) 863-1770
www.hparchs.com



SITE PHOTOMETRIC PLAN
1/40" = 1'

Luminaire Schedule							
Symbol	Qty	Label	Arrangement	ULF	Description	Lum. Watts	Lum. Lumens
1	11	SA1	BACK-TO-BACK	0.020	WALIA-150/HV05-40-50	150.300	19900
2	1	SA2	BACK-TO-BACK	0.020	WALIA-150/HV05-40-50	150.073	20729
3	1	SA3	SINGLE	0.020	WALIA-150/HV05-40-50	150.073	20729
4	27	W1	SINGLE	0.020	WALIA-150/HV05-40-WM	150	19900
5	3	W1-2P	SINGLE	0.020	WALIA-150/HV05-40-WM	150	19900
6	4	W2	SINGLE	0.020	WALIA-150/HV05-40-WM	150	20186
7	11	W3	SINGLE	0.020	WALIA-150/HV05-40-WM	40	5002

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
BLDG 1	Illuminance	Fc	2.18	12.7	0.3	7.27
BLDG 2	Illuminance	Fc	2.04	8.9	0.3	6.80
BLDG 3-4-5	Illuminance	Fc	2.16	10.1	0.3	7.20
BLDG 1 PARKING	Illuminance	Fc	2.78	6.3	1.1	2.53
BLDG 2 PARKING	Illuminance	Fc	2.39	6.1	1.0	2.39
BLDG 3 PARKING	Illuminance	Fc	3.34	6.7	1.2	2.78
BUILDING 1 DOCK	Illuminance	Fc	3.22	12.7	1.3	2.48
BUILDING 2 DOCK	Illuminance	Fc	1.70	6.9	0.6	2.83
BUILDING 3 DOCK	Illuminance	Fc	1.58	4.1	0.6	2.63

ES-1.0



January 27, 2022 / Job #21599
Scheme 9

ALA Series Area Light

VALRIYA
PREMIUM COMMERCIAL LED LIGHTING

0.9 House Side Shield*

*Items must be ordered separately

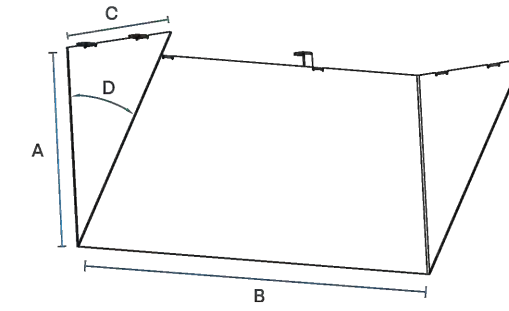


SKU	DESCRIPTION
VA-ALA-70-D-HSS	40W / 70W / 100W Shield, Dark Bronze**
VA-ALA-150-D-HSS	150W / 200W Shield, Dark Bronze**
VA-ALA-250-D-HSS	250W / 300W Shield, Dark Bronze**

** Black and White color options available upon special request, subject to MOQ

SHIELD DIMENSIONS

	A	B	C	D
70	3.9"	7.2"	3.1"	38.3"
150	3.9"	10.5"	2.7"	34.6"
250	6.3"	10.5"	7.1"	48.2"



0.10 Additional Mounting Options*

*Items must be ordered separately



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7 / 7

ALA Series Area Light

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0.6 SKU List Continued

SKU	DESCRIPTION	WATTS	COLOR*	LENS TYPE	CCT	LUMENS	CRI	DM	INPUT VOLTAGE†	SAFETY RATINGS	ARMOUNT	DLC‡	QUICK SHIP
VA-ALA-300-LV03-40-XX	200W Area Light	300W	Dark Bronze	Type III	4000K	25,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-300-LV04-40-XX	200W Area Light	300W	Dark Bronze	Type IV	4000K	24,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-300-LV05-40-XX	200W Area Light	300W	Dark Bronze	Type V	4000K	25,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-300-LV03-50-XX	200W Area Light	300W	Dark Bronze	Type III	5000K	26,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-300-LV04-50-XX	200W Area Light	300W	Dark Bronze	Type IV	5000K	24,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-300-LV05-50-XX	200W Area Light	300W	Dark Bronze	Type V	5000K	26,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-250-LV03-30-XX	250W Area Light	250W	Dark Bronze	Type III	3000K	33,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-250-LV04-30-XX	250W Area Light	250W	Dark Bronze	Type IV	3000K	33,200	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-250-LV05-30-XX	250W Area Light	250W	Dark Bronze	Type V	3000K	33,750	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-250-LV03-40-XX	250W Area Light	250W	Dark Bronze	Type III	4000K	34,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-250-LV04-40-XX	250W Area Light	250W	Dark Bronze	Type IV	4000K	33,250	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-250-LV05-40-XX	250W Area Light	250W	Dark Bronze	Type V	4000K	34,750	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV03-40-XX	300W Area Light	300W	Dark Bronze	Type III	4000K	41,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV04-40-XX	300W Area Light	300W	Dark Bronze	Type IV	4000K	40,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV05-40-XX	300W Area Light	300W	Dark Bronze	Type V	4000K	42,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV03-50-XX	300W Area Light	300W	Dark Bronze	Type III	5000K	42,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV04-50-XX	300W Area Light	300W	Dark Bronze	Type IV	5000K	39,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV05-50-XX	300W Area Light	300W	Dark Bronze	Type V	5000K	40,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV03-50-XX	300W Area Light	300W	Dark Bronze	Type III	5000K	41,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV04-50-XX	300W Area Light	300W	Dark Bronze	Type IV	5000K	39,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No
VA-ALA-300-LV05-50-XX	300W Area Light	300W	Dark Bronze	Type V	5000K	41,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	No

* White and Black color options are available through special order. MOQ will apply

† High Voltage (347-480VAC) option available through special order

‡ DLC listed products are v4.4 Premium with exception of 200W Type V Distribution

0.7 Sensor Options*

*Items must be ordered separately

MS-PSUNVB1 Twist Lock Photocell Kit (120-277VAC, 3-Pin)

LC-10R/2 3-Pin Receptacle (480V)

JL-240XA 7-Pin Receptacle (480V)

JL-208 NEMA Shorting Cap (IP68)

BRB23 Wireless Occ + Photocell

RC100 Wireless Programmable Remote (BRB23)



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5 / 7

ALA Series Area Light

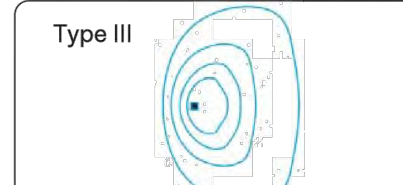
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PREMIUM COMMERCIAL LED LIGHTING

0.3 EPA Ratings

Arrangement	1	2 @90°	2 @120°	2 @150°	3 @90°	3 @120°	4 @90°
40W/70W/100W	0.9413	0.8929	0.7983	0.6826	1.0239	1.0469	1.0239
150W/200W	0.423	0.735	0.873	0.846	1.158	1.185	1.158
250W/300W	0.4759	0.7869	1.0581	0.9538	1.2646	1.3701	1.2646

0.4 Distribution Types

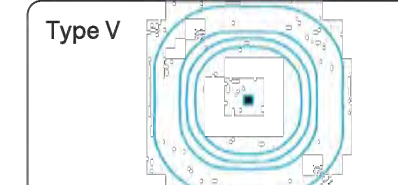
The ALA series can be configured with 3 distinct optic lenses to meet the lighting requirements of any environment:



Produces an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. It is best for back configuration lighting.

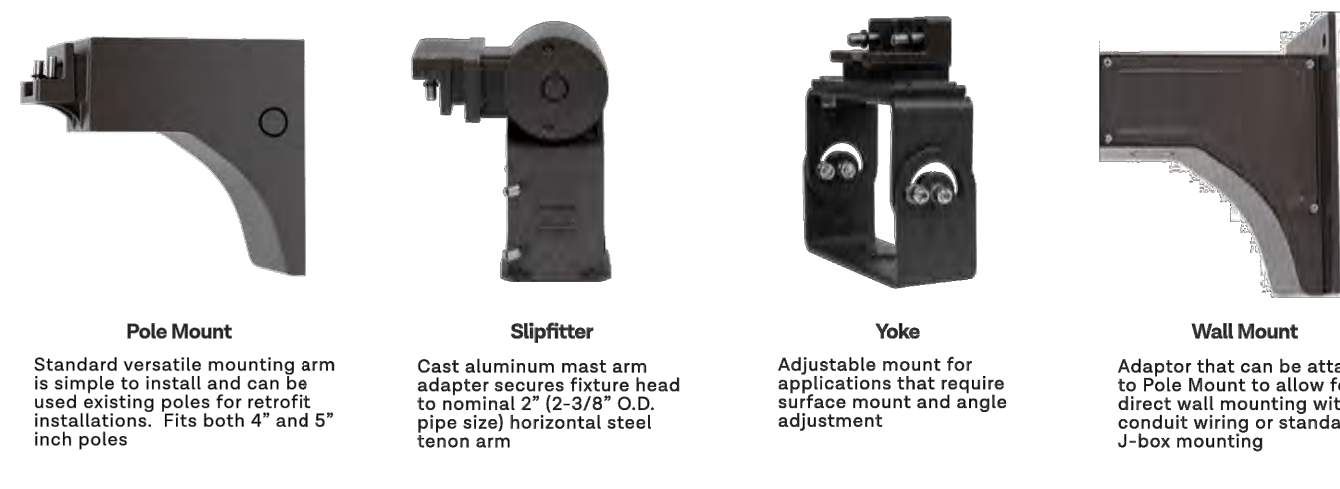


Suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.



Produces a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire.

0.5 Mounting Arm Options



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3 / 7

ALA Series Area Light

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NOTES

ALA Series Area Light

Highlights

- Die-cast aluminum shell
- Full cut off design for improved downlight and minimal light pollution
- Ideal upgrade for parking lots, perimeter security, and walkway applications
- Premium LEDs provide a crisp CRI across a spectrum of temperatures
- Optional wireless daylight + occupancy sensor for energy savings
- UL Wet Rated, DLC Premium



Ordering Guide

Example: VA-ALA-150-LV03-50-SQ

VA-ALA-XXX-XXXX-XX-XX

VALRIYA FAMILY	POWER	VOLTAGE	COLOR	LENS TYPE	CCT	MOUNTING
VA ALA Area Light	XXX 40 = 40W 70 = 70W 100 = 100W 150 = 150W 200 = 200W 250 = 250W 300 = 300W	XX LV = 120-277VAC HV = 347-480VAC	X D = Dark Bronze W = White B = Black	X 3 = Type III 4 = Type IV 5 = Type V	XX 30 = 3000K 40 = 4000K 50 = 5000K	XX SQ = Pole SP = Slipfitter WM = Wall YK = Yoke

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1 / 7

ALA Series Area Light

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0.8 Photometric Data (150W, 5000K, Type III)

CANDLE POWER	ANGLE	C0	C45	C90
10	3555	3782	3950	
20	3771	4194	4544	
30	4107	4524	5555	
40	4712	5552	6145	
50	5346	6407	6799	
60	5943	6927	4555	
70	5815	3632	370	
80	2329	324	130	
90	1	0	0	

ZONAL LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE	LAMP
0-30	3,383	15.8		
0-40	5,878	29.1		
0-60	13,815	68.4		
0-90	20,182	100.0		
0-180	20,185	100.0		

COEFFICIENT OF UTILIZATION (PFC - 20%)

RCR	RC	50%			70%			50%			30%			10%			0%
		80%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
	0	119	119	119	118	118	118	111	111	111	106	106	106	102	102	102	0
	1	102	97	92	99	95	91	91	91	88	91	88	85	87	85	83	80
	2	86	78	72	84	77	71	80	74	69	77	72	67	74	70	66	63
	3	73	64	57	72	63	56	69	61	56	67	59	54	63	58	53	50
	4	63	53	46	62	53	45	59	51	45	57	50	44	53	48	43	40
	5	55	45	38	54	45	38	52	44	37	50	42	37	48	41	36	34
	6	49	39	32	48	39	32	46	38	31	44	37	31	43	36	31	28
	7	44	34	27	43	34	27	41	33	27	40	32	27	38	32	26	24
	8	39	30	24	39	30	24	37	29	23	36	29	23	35	28	23	21
	9	36	27	21	35	27	21	34	26	21	33	26	20	32	25	20	18
10	33	24	18	32	24	18	31	23	18	30	23	18	29	23	18	16	

*Effective floor cavity reflectance 20%

*Additional IES data can be downloaded [here](#)

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6 / 7

ALA Series Area Light

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PREMIUM COMMERCIAL LED LIGHTING

0.6 SKU List

SKU	DESCRIPTION	WATTS	COLOR*	LENS TYPE	CCT	LUMENS	CRI	DM	INPUT VOLTAGE†	SAFETY RATINGS	ARMOUNT	DLC‡	QUICK SHIP
VA-ALA-40-LV03-30-XX	40W Area Light	40W	Dark Bronze	Type III	3000K	5,100	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV04-30-XX	40W Area Light	40W	Dark Bronze	Type IV	3000K	5,050	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV05-30-XX	40W Area Light	40W	Dark Bronze	Type V	3000K	5,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV03-40-XX	40W Area Light	40W	Dark Bronze	Type III	4000K	5,400	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV04-40-XX	40W Area Light	40W	Dark Bronze	Type IV	4000K	5,380	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV05-40-XX	40W Area Light	40W	Dark Bronze	Type V	4000K	5,650	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV03-50-XX	40W Area Light	40W	Dark Bronze	Type III	5000K	5,550	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV04-50-XX	40W Area Light	40W	Dark Bronze	Type IV	5000K	5,480	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-40-LV05-50-XX	40W Area Light	40W	Dark Bronze	Type V	5000K	5,720	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV03-30-XX	70W Area Light	70W	Dark Bronze	Type III	3000K	8,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV04-30-XX	70W Area Light	70W	Dark Bronze	Type IV	3000K	8,150	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV05-30-XX	70W Area Light	70W	Dark Bronze	Type V	3000K	8,430	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV03-40-XX	70W Area Light	70W	Dark Bronze	Type III	4000K	8,350	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV04-40-XX	70W Area Light	70W	Dark Bronze	Type IV	4000K	8,330	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV05-40-XX	70W Area Light	70W	Dark Bronze	Type V	4000K	8,750	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV03-50-XX	70W Area Light	70W	Dark Bronze	Type III	5000K	8,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV04-50-XX	70W Area Light	70W	Dark Bronze	Type IV	5000K	8,450	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-70-LV05-50-XX	70W Area Light	70W	Dark Bronze	Type V	5000K	8,900	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV03-30-XX	100W Area Light	100W	Dark Bronze	Type III	3000K	12,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV04-30-XX	100W Area Light	100W	Dark Bronze	Type IV	3000K	13,100	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV05-30-XX	100W Area Light	100W	Dark Bronze	Type V	3000K	13,400	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV03-40-XX	100W Area Light	100W	Dark Bronze	Type III	4000K	13,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-100-LV04-40-XX	100W Area Light	100W	Dark Bronze	Type IV	4000K	13,200	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-100-LV05-40-XX	100W Area Light	100W	Dark Bronze	Type V	4000K	13,900	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-100-LV03-50-XX	100W Area Light	100W	Dark Bronze	Type III	5000K	13,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV04-50-XX	100W Area Light	100W	Dark Bronze	Type IV	5000K	13,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-100-LV05-50-XX	100W Area Light	100W	Dark Bronze	Type V	5000K	13,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV03-30-XX	150W Area Light	150W	Dark Bronze	Type III	3000K	15,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-150-LV04-30-XX	150W Area Light	150W	Dark Bronze	Type IV	3000K	16,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-150-LV05-30-XX	150W Area Light	150W	Dark Bronze	Type V	3000K	17,000	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-150-LV03-40-XX	150W Area Light	150W	Dark Bronze	Type III	4000K	16,900	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV04-40-XX	150W Area Light	150W	Dark Bronze	Type IV	4000K	16,800	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV05-40-XX	150W Area Light	150W	Dark Bronze	Type V	4000K	16,500	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV03-50-XX	150W Area Light	150W	Dark Bronze	Type III	5000K	15,350	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV04-50-XX	150W Area Light	150W	Dark Bronze	Type IV	5000K	15,200	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-150-LV05-50-XX	150W Area Light	150W	Dark Bronze	Type V	5000K	15,600	70+	1-10V	120-277VAC	UL, Wet Rated	All	Yes	Yes
VA-ALA-200-LV03-30-XX	200W Area Light	200W	Dark Bronze	Type III	3000K	18,300	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-200-LV04-30-XX	200W Area Light	200W	Dark Bronze	Type IV	3000K	19,400	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No
VA-ALA-200-LV05-30-XX	200W Area Light	200W	Dark Bronze	Type V	3000K	21,100	70+	1-10V	120-277VAC	UL, Wet Rated	All	No	No