

## ALK-L GEN 1 AREA LIGHT

The ALK-L series delivers exceptional performance in a slim modern design. With an assortment of mounting options available, it can be used in multiple applications. A simple rotation of the lens allow to direct your light in three different directions. The ALK-L includes an easy-to-access driver compartment door. This high-end area light is a great addition to any commercial or industrial area lighting application.

### FEATURES AND SPECIFICATIONS

#### • Construction

##### Housing

Die cast aluminum housing comes standard in a black or bronze coat anti-corrosive finish. All configurations come standard with a 3 pin receptacle and shorting cap.

##### Mounting options

Different types of mounting brackets are available as options such as a pole arm (square or round), slipfitter, adjustable arm for a square pole and trunnion.

##### Optics

This luminaire is outfitted with a polycarbonate lens for even light distribution, and is offered in type III, IV and V distribution patterns. The lens is rotatable to allow for light distribution in various directions.

#### • Electrical

Driver allows input voltage from 120-277 V 50/60 Hz, or 347 V 50/60 Hz. All drivers are dimmable 0-10 V. Available in six lumens packages in either 37 to 230 W.

- 120-277 V: 10 kV surge protection.
- 347 V: 4 kV surge protection.
- Ambient operating temperature range of -40 °C to 40 °C

#### • Compliances

- Meets requirements of ICES-005 for class B products
- Wet location
- IP66
- IK08
- cULus



### OVERVIEW

Light source	LED
Watts (W)	37 - 230
Lumen output (lm)	6 083 - 37 720
Efficacy (lm/W)	161 - 182
Color temperature (K)	3 000, 4 000, 5 000
CRI	70+
Weight (lbs)	11 - 12



ICES  
005



**ORDERING GUIDE**

ALK — L — — — — — / — — — — — / — — — — — / — — — — —

Series	Lamp type	Lumen package (W)	Distribution type	Volts (V)	Color temp. (K)	Casting color	Mounting options	Options
ALK	L - LED	S1A <sup>1</sup> - 37	3 - Type III	W - 120-277	30K - 3 000	BK - Black (standard)	PA6 - 6" square pole arm	PR7 - 7 pin photocell receptacle only
		S1B - 50	3R - Type III Right	W - 120-277	40K - 4 000	BZ - Bronze (standard)	PA6R - 6" round pole arm	KV <sup>2</sup> - 10 kV surge protection OSI-PB-1001 <sup>3</sup> - Occupancy sensor
		S1 - 75	3L - Type III Left	H - 347	50K - 5 000	SP - Special color	A - Slipfitter	
		S2 - 115	4 - Type IV				TR - Yoke mount	
		S3 - 180	4R - Type IV Right				AR - Adjustable arm for square pole and wall mount	
S4 - 230	4L - Type IV Left	5 - Type V						

<sup>1</sup> S1A only 120-277 V.  
<sup>2</sup> Apply only for 347 V as it's comes standard in 120-277 V.  
<sup>3</sup> Please consult the occupancy sensor section for the specifications.

**OCCUPANCY SENSOR**

Part number	Position	Volts (V)	Technology	Height (ft. max)	Detection Area (%)	Hold time (min)	Stand-by dim level (%)	Daylight min level	Remote	Location (°C)
OSI-PB-1001 <sup>1</sup>	Internal	120-347	PIR	40	100	15	50	Disable	OSI-FSIR-100 <sup>2</sup>	Wet, -40 to 75






<sup>1</sup> Lens color options available: Black.  
<sup>2</sup> To be ordered separately.

**TECHNICAL SPECIFICATION TABLE**

Lumen package	Watts (W)	Type of distrib.	Volts (V)	LED current (A)	3 000 K			4 000 K			5 000 K			Power factor	THD (%)	BUG	Life L70 (hrs)	Tested hours LM-80 (hrs)
					Lumen (lm)	Efficacy (lm/W)	CRI	Lumen (lm)	Efficacy (lm/W)	CRI	Lumen (lm)	Efficacy (lm/W)	CRI					
S1A	37	III	120-277	0.775	6 083	164	70	6 173	167	70	6 263	169	70	0.994-0.802	5.03-9.158	B1-U1-G1	72 000	12 000
				0.775	6 601	178	70	6 663	180	70	6 729	182	70	0.994-0.802	5.03-9.158	B2-U0-G1	72 000	12 000
				0.775	6 108	165	70	6 172	167	70	6 262	169	70	0.994-0.802	5.03-9.158	B3-U0-G1	72 000	12 000
S1B	50	III	120-277	1.02	8 050	161	70	8 169	163	70	8 289	166	70	0.996-0.871	5.286-8.043	B2-U1-G2	72 000	12 000
			347	1.033	8 104	162	70	8 224	164	70	8 345	167	70	0.907	13.626	B2-U1-G2	72 000	12 000
			120-277	1.02	8 735	175	70	8 818	176	70	8 906	178	70	0.996-0.871	5.286-8.043	B2-U0-G2	72 000	12 000
		347	1.033	8 794	176	70	8 878	178	70	8 955	179	70	0.907	13.626	B2-U0-G2	72 000	12 000	
		120-277	1.02	8 083	161.66	70	8 168	163	70	8 288	166	70	0.996-0.871	5.286-8.043	B3-U0-G2	72 000	12 000	
		347	1.033	8 138	163	70	8 224	164	70	8 344	167	70	0.907	13.626	B3-U0-G2	72 000	12 000	
S1	75	III	120-277	0.616-0.280	11 607	157	73.1	11 779	158	73.1	11 952	161	73.1	0.94	7.96	B2-U1-G2	72 000	12 000
			347	0.225	12 630	164	72.6	12 394	165	72.6	12 428	165	72.6	0.87	12.97		72 000	12 000
			120-277	0.616-0.280	12 600	168	70	12 720	170	70	12 840	171	70	0.94	7.96	B3-U0-G2	72 000	12 000
		347	0.225	12 600	168	70	12 720	170	70	12 840	171	70	0.87	12.97	72 000	12 000		
		120-277	0.616-0.280	11 654	157	70	11 776	158	70	11 949	161	70	0.94	7.96	B4-U0-G2	72 000	12 000	
		347	0.225	12 622	165	70	12 685	166	70	12 721	166	70	0.87	12.97		72 000	12 000	
S2	115	III	120-277	0.961-0.425	18 196	155	70	18 388	156	70	18 657	159	70	0.96	8.73	B3-U0-G2	72 000	12 000
			347	0.343	18 082	155	70	18 282	155	70	18 332	156	70	0.92	12.36		72 000	12 000
			120-277	0.961-0.425	18 975	165	70	19 205	167	70	19 435	169	70	0.96	8.73	B3-U0-G3	72 000	12 000
		347	0.343	18 975	165	70	19 205	167	70	19 435	169	70	0.92	12.36	72 000	12 000		
		120-277	0.961-0.425	18 207	155	70	18 399	156	70	18 668	159	70	0.96	8.73	B4-U0-G2	72 000	12 000	
		347	0.343	18 334	156	70	18 426	157	70	18 477	157	70	0.92	12.36		72 000	12 000	
S3	180	III	120-277	1.537-0.677	29 646	162	70	29 956	163	70	30 395	166	70	0.95	6.64	B3-U0-G3	72 000	12 000
			347	0.535	29 508	164	70	29 655	165	70	29 738	165	70	0.9	12.66		72 000	12 000
			120-277	1.537-0.677	29 700	165	70	30 060	167	70	30 420	169	70	0.95	6.64	B3-U0-G4	72 000	12 000
		347	0.535	29 700	165	70	30 060	167	70	30 420	169	70	0.9	12.66	72 000	12 000		
		120-277	1.537-0.677	29 663	162	70	29 974	164	70	30 413	166	70	0.95	6.64	B5-U0-G4	72 000	12 000	
		347	0.535	29 741	165	70	29 889	166	70	29 973	166	70	0.9	12.66		72 000	12 000	
S4	230	III	120-277	1.996-0.847	36 426	156	70	36 809	158	70	37 348	160	70	0.97	11.08	B4-U0-G3	72 000	12 000
			347	0.678	36 491	158	70	36 674	159	70	36 776	159	70	0.93	10.77		72 000	12 000
			120-277	1.996-0.847	36 800	160	70	37 260	162	70	37 720	164	70	0.97	11.08	B4-U0-G4	72 000	12 000
		347	0.678	36 800	160	70	37 260	162	70	37 720	164	70	0.93	10.77	72 000		12 000	
		120-277	1.996-0.847	36 449	156	70	36 831	158	70	37 371	160	70	0.97	11.08	B5-U0-G4	72 000	12 000	
		347	0.678	36 780	159	70	36 964	160	70	37 067	161	70	0.93	10.77		72 000	12 000	

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

**EPA**

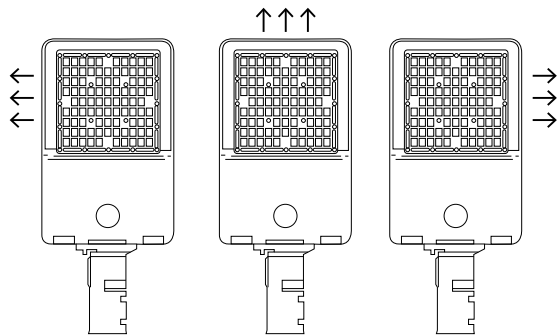
					
Configuration	Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
S1 & S2	0.18	0.37	0.38	0.55	0.73
S3 & S4	0.23	0.49	0.59	1.54	1.87

**DIMENSIONS**

Lumen package	Dimensions
S1A, S1B, S1, S2	24x11x3" (600x270x78 mm)
S3, S4	27x14x3" (694x350x78 mm)

**EASY LIGHT DISTRIBUTION**

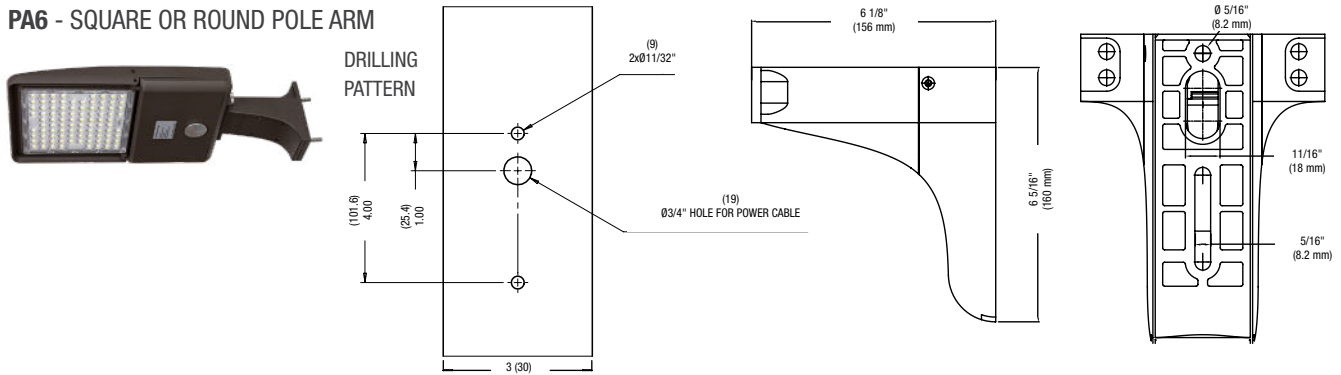
Simply rotate the lens and get different light distribution in different directions.



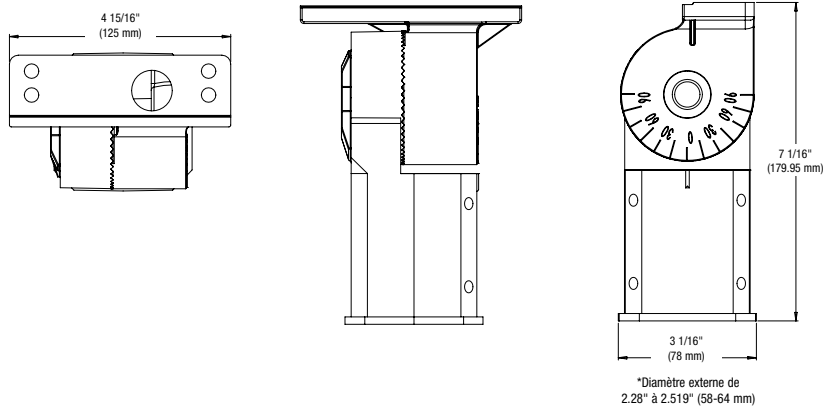
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

**MOUNTING**

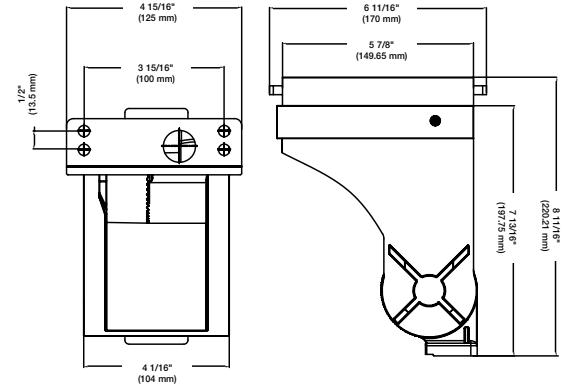
**PA6 - SQUARE OR ROUND POLE ARM**



**A - SPLIFFER**



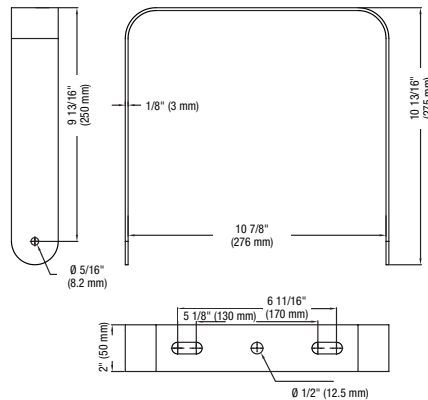
**AR - ADJUSTABLE ARM FOR SQUARE POLE AND WALL MOUNT**



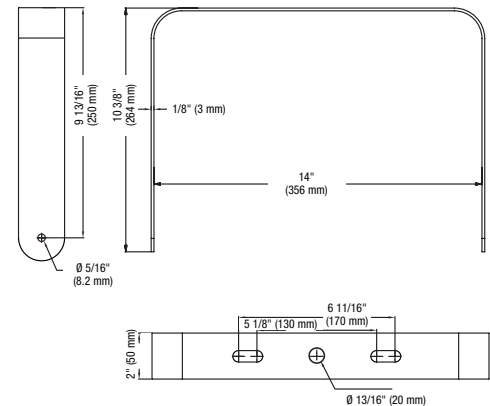
**TR - YOKE**



**Small U shape bracket**



**Large U shape bracket**

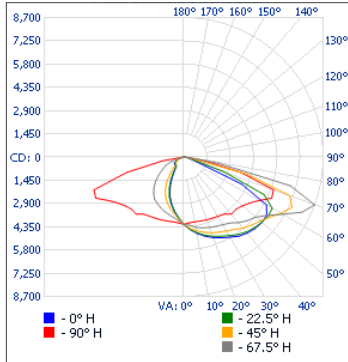


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**PHOTOMETRIC DATA<sup>1</sup>**

**ALK-LS23-W-40K-XX • 18 275.8 lm**

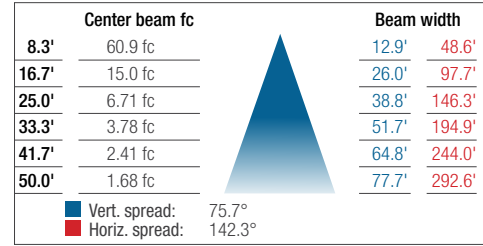
**Polar candela distribution**



**Zonal lumen summary**

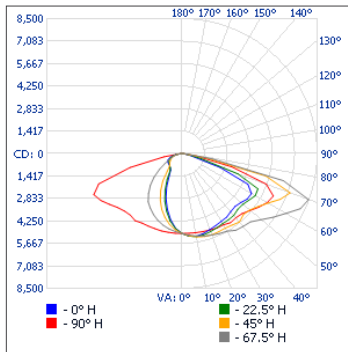
Zone	Lumens	% Fixture
0-30	3 377.5	18.5%
0-40	5 771.1	31.6%
0-60	12 170.5	66.6%
60-90	6 105.3	33.4%
70-100	2 340.7	12.8%
90-120	0	0%
0-90	18 275.8	100%
90-180	0	0%
0-180	18 275.8	100%

**Illuminance at a distance**



**ALK-LS24-W-40K-XX • 19 198.4 lm**

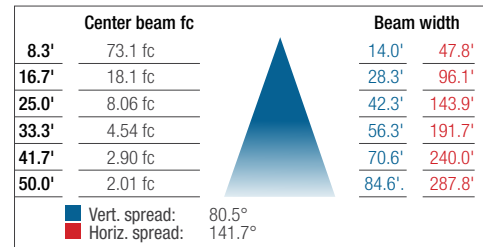
**Polar candela distribution**



**Zonal lumen summary**

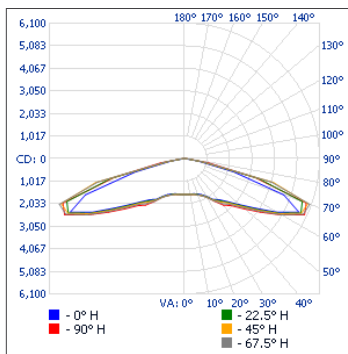
Zone	Lumens	% Fixture
0-30	3 832.2	20%
0-40	6 333.7	33%
0-60	12 627.0	65.8%
60-90	6 571.4	34.2%
70-100	2 734.0	14.2%
90-120	0	0%
0-90	19 198.4	100%
90-180	0	0%
0-180	19 198.4	100%

**Illuminance at a distance**



**ALK-LS25-W-40K-XX • 18 407.5 lm**

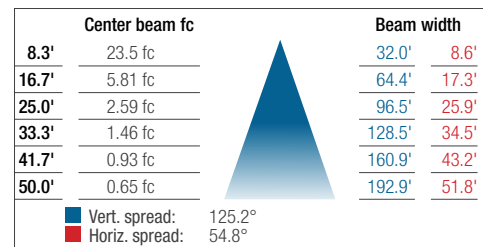
**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	1 488.6	8.1%
0-40	2 932.8	15.9%
0-60	8 898.6	48.3%
60-90	9 508.9	51.7%
70-100	3 946.2	21.4%
90-120	0	0%
0-90	18 407.5	100%
90-180	0	0%
0-180	18 407.5	100%

**Illuminance at a distance**



<sup>1</sup> Complete IES files available on our website.

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