

ALK-L GEN 2

AREA LIGHT

LED AREA LIGHT WITH VARIETY OF DISTRIBUTION TYPES AND OPTIONS

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 allows 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

- Aluminum Die Cast
- Standard Black or Bronze¹
- Powder Coat anti-corrosive finish
- Aluminum heat sink for a better heat dissipation
- All configurations come standard with a 3 pin receptacle and shorting cap.

Mounting options

- Square Pole Arm
- Round Pole Arm
- Slipfitter
- Yoke mount
- Adjustable arm for square pole and wall mount.

Lens and Optics

- Outfitted with a polycarbonate Lens
- Offered in Type III, IV and V with rotatable lenses to allow for light distribution in various directions.

• Performance Data

- Available in 3 000, 4 000 and 5 000 K single color temperatures
- 80+ CRI
- Electrical ratings: 120-277 V and 347-480 V
- Estimated life of over 50 000 hours to L70
- 0-10 V dimming standard
- 10kV surge protection
- Operating temperature: -40 °C to 40 °C (-40 °F to 104 °F)

• Compliances

- cULus listed for wet locations
- Class B for use in residential applications
- IP66
- IK08



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

OVERVIEW

Light source	LED
Watts (W)	37, 50, 75, 115, 180, 230, 300, 420
Lumen output (lm)	5 211 - 67 114
Efficacy (lm/W)	149 - 170
Color temperature (K)	3 000, 4 000, 5 000
CRI	80+

¹ Bronze standard color applies for S1C to S6C lumen packages

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	S1C - 37 S2C - 50 S3C - 75 S4C - 115 S5C - 180 S6C - 230 S7C - 300 S8C - 420	3 - Type III 3R - Type III Right 3L - Type III Left 4 - Type IV 4R - Type IV Right 4L - Type IV Left 5 - Type V	W - 120-277 I - 347-480	30K - 3 000 40K - 4 000 50K - 5 000	BK - Black (standard) BR - Bronze (standard) ³ SP- Special color	PA6 - 6" square pole arm PA6R - 6" round pole arm A - Slipfitter TR - Yoke mount AR - Adjustable arm for square pole and wall mount	PR7 - 7 pin photocell receptacle only KV ¹ - 10 kV surge protection OSI-PB-1001 ² - Occupancy sensor

¹ Apply only for 347 V as it's comes standard in 120-277 V.
² Occupancy sensor option not available for S7C lumen package in 120-277V and for the S8C lumen package in both voltages.
³ Bronze standard color applies for S1C to S6C lumen packages.

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 ¹	Internal	120 - 347	PIR	40	100	15	50	Disable	OSI-FSIR-100 ²	Wet, -40 to 75

¹ Lens color options available: Black.
² To be ordered separately.

ACCESSORIES (order separately)

Order code	Description
69422	House side shield 37-115W
69423	House side shield 180-420W

* Hardware kit supplied

37-115W



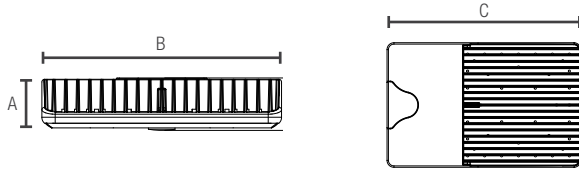
180-420W



TECHNICAL SPECIFICATION TABLE






Lumen package	Watts (W)	Type of distrib.	Volts (V)	Fixture current (A)	3 000 K			4 000 K			5 000 K			Power factor	THD (%)	BUG	Life L70 (hrs)
					Lumen (lm)	Efficacy (lm/W)	CRI	Lumen (lm)	Efficacy (lm/W)	CRI	Lumen (lm)	Efficacy (lm/W)	CRI				
S1C	37	III	120 - 277	0.3 - 0.16	5 211	146	82	5 675	159	82	5 571	156	82	0.99	3.53	101	>54 000
			347 - 480	0.11 - 0.10	5 211	148		5 675	162		5 571	159		0.89	8.94	101	
		IV	120 - 277	0.3 - 0.16	5 274	147		5 743	160		5 637	158		0.99	3.53	101	
			347 - 480	0.11 - 0.10	5 274	150		5 743	164		5 637	160		0.89	8.94	101	
		V	120 - 277	0.3 - 0.16	5 258	147		5 726	160		5 621	157		0.99	3.53	301	
			347 - 480	0.11 - 0.10	5 258	150		5 726	163		5 621	160		0.89	8.94	301	
S2C	50	III	120 - 277	0.44 - 0.21	7 108	135	82	7 740	147	82	7 598	144	82	0.90	18.53	201	>54 000
			347 - 480	0.16 - 0.13	7 108	136		7 740	148		7 598	145		0.95	6.50	201	
		IV	120 - 277	0.44 - 0.21	7 193	137		7 833	149		7 689	146		0.90	18.53	202	
			347 - 480	0.16 - 0.13	7 193	138		7 833	150		7 689	147		0.95	6.50	20	
		V	120 - 277	0.44 - 0.21	7 172	136		7 810	148		7 667	146		0.90	18.53	301	
			347 - 480	0.16 - 0.13	7 172	137		7 810	149		7 667	147		0.95	6.50	302	
S3C	75	III	120 - 277	0.63 - 0.28	12 551	161	83	12 802	164	83	13 053	168	85	0.93	13.38	202	>54 000
			347 - 480	0.22 - 0.16	12 103	161		12 346	165		12 588	168		0.93	11.29	202	
		IV	120 - 277	0.63 - 0.28	12 122	156		12 261	159		12 399	162		0.93	13.88	302	
			347 - 480	0.22 - 0.16	11 814	156		12 051	159		12 287	163		0.93	11.29	302	
		V	120 - 277	0.63 - 0.28	12 487	161		12 737	164		12 987	167		0.93	13.89	402	
			347 - 480	0.22 - 0.16	12 099	161		12 341	165		12 583	168		0.93	11.29	402	
S4C	115	III	120 - 277	0.97 - 0.45	17 767	154	83	18 122	157	83	18 478	160	85	0.93	13.48	303	>54 000
			347 - 480	0.34 - 0.22	17 695	154		18 049	157		18 403	160		0.9	15	303	
		IV	120 - 277	0.97 - 0.45	17 418	151		17 767	154		18 115	157		0.93	13.48	303	
			347 - 480	0.34 - 0.22	17 348	151		17 695	154		18 042	157		0.9	15	303	
		V	120 - 277	0.97 - 0.45	17 971	155		18 330	158		18 690	162		0.93	13.48	402	
			347 - 480	0.34 - 0.22	17 898	156		18 256	159		18 614	162		0.9	15	402	
S5C	180	III	120 - 277	1.52 - 0.70	29 431	161	83	30 020	165	83	30 608	168	85	0.91	10.94	303	>54 000
			347 - 480	0.52 - 0.36	29 102	162		29 684	165		30 266	168		0.9	15	303	
		IV	120 - 277	1.52 - 0.70	28 853	158		29 431	161		30 008	165		0.91	10.94	304	
			347 - 480	0.52 - 0.36	28 531	159		29 102	162		29 672	165		0.9	15	304	
		V	120 - 277	1.52 - 0.70	29 769	163		30 364	166		30 959	170		0.91	10.94	503	
			347 - 480	0.52 - 0.36	29 436	164		30 024	167		30 613	170		0.9	15	503	
S6C	230	III	120 - 277	1.93 - 0.83	36 049	157	83	36 770	160	83	37 491	164	85	0.97	8.73	404	>54 000
			347 - 480	0.53 - 0.44	36 248	158		36 973	161		37 698	164		0.9	15	404	
		IV	120 - 277	1.93 - 0.83	35 343	154		36 049	157		36 756	160		0.97	8.73	404	
			347 - 480	0.53 - 0.44	35 537	155		36 248	158		36 958	161		0.9	15	404	
		V	120 - 277	1.93 - 0.83	36 463	159		37 192	162		37 922	165		0.97	8.73	504	
			347 - 480	0.53 - 0.44	36 663	159		37 397	163		38 130	166		0.9	15	504	
S7C	300	III	120 - 277	2.52 - 1.11	47 816	158	83	48 772	161	83	49 729	164	85	0.96	8.4	404	>54 000
			347 - 480	0.87 - 0.57	47 516	158		48 466	162		49 416	165		0.9	15	404	
		IV	120 - 277	2.52 - 1.11	46 880	155		47 816	158		48 754	161		0.96	8.4	405	
			347 - 480	0.87 - 0.57	46 584	155		47 516	158		48 447	161		0.9	15	405	
		V	120 - 277	2.52 - 1.11	48 364	160		49 332	163		50 299	166		0.96	8.4	505	
			347 - 480	0.87 - 0.57	48 061	160		49 022	163		49 983	167		0.9	15	505	
S8C	420	III	120 - 277	3.48 - 1.56	63 734	152	83	65 008	155	83	66 283	158	85	0.96	9.75	505	>54 000
			347 - 480	1.09 - 0.80	63 800	152		65 076	155		66 352	158		0.9	15	505	
		IV	120 - 277	3.48 - 1.56	62 482	149		63 734	152		64 983	155		0.96	9.75	505	
			347 - 480	1.09 - 0.80	62 549	149		63 800	152		65 051	155		0.9	15	505	
		V	120 - 277	3.48 - 1.56	64 465	153		65 754	156		67 043	159		0.96	9.75	505	
			347 - 480	1.09 - 0.80	64 532	154		65 823	157		67 114	160		0.9	15	505	

DIMENSIONS

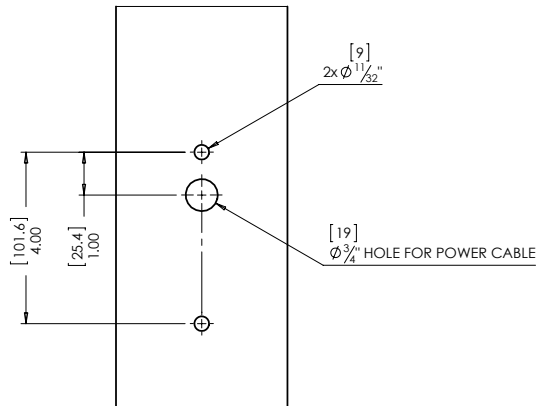


Dimensions	S1C, S2C, S3C, S4C	S5C, S6C	S7C, S8C
A	2.2" (5.6cm)	2.2" (5.6cm)	3" (7.6cm)
B	10.6" (27cm)	13.7" (35cm)	14" (36cm)
C	24" (60cm)	27" (69.4cm)	27" (69.4cm)

EPA

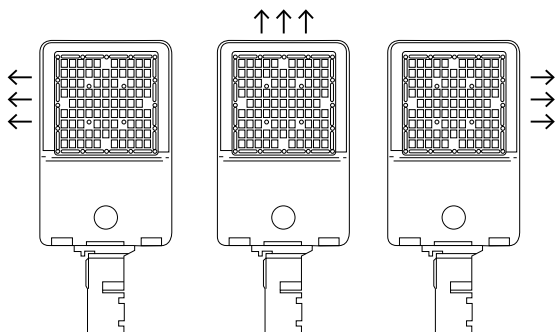
					
Configuration	Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
S1C, S2C, S3C, S4C	0.18	0.37	0.38	0.55	0.73
S5C, S6C	0.23	0.49	0.59	1.54	1.87
S7C, S8C	0.32	0.53	0.6	1.65	1.93

DRILLING PATTERN



EASY LIGHT DISTRIBUTION

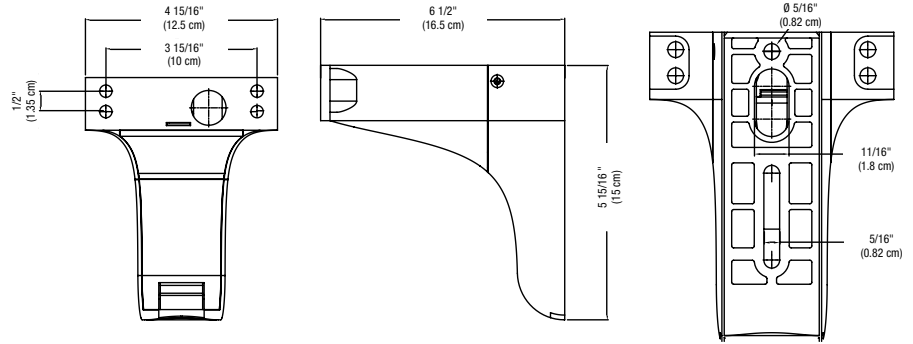
Simply rotate the lens and get different light distribution in different directions.



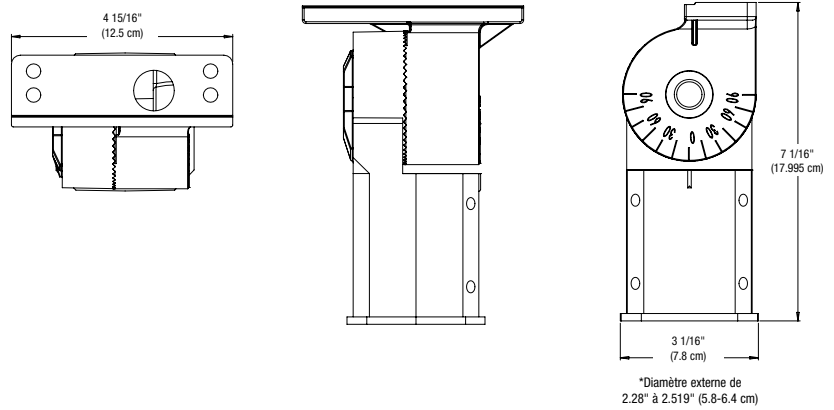
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

MOUNTING

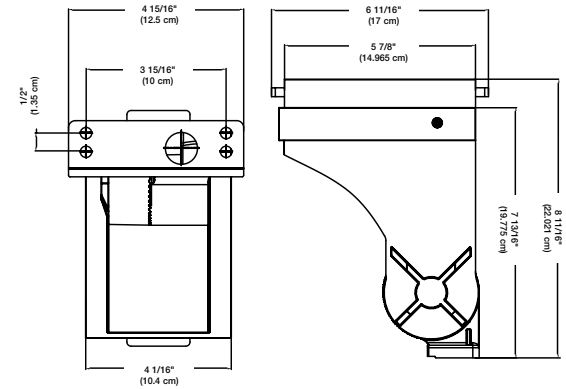
PA6 - SQUARE OR ROUND POLE ARM



A - SPLIFFITTER



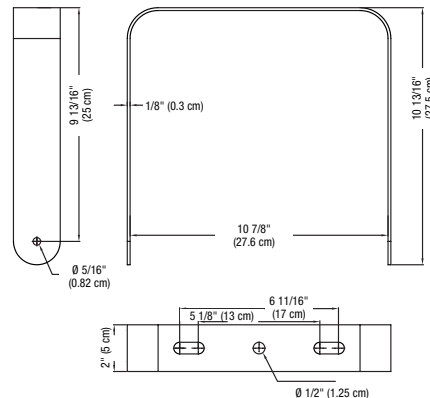
AR - ADJUSTABLE ARM FOR SQUARE POLE AND WALL MOUNT



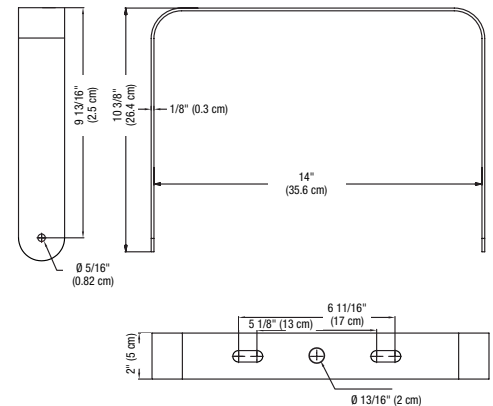
TR - YOKE



Small U shape bracket



Large U shape bracket

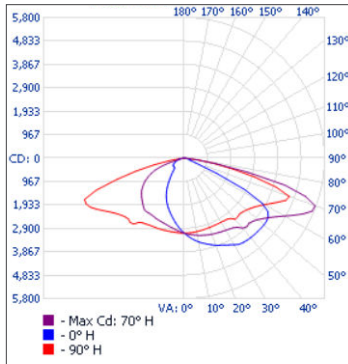


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PHOTOMETRIC DATA¹

ALK-LS3C3-XX/40K • 75 W • 4 000 K • 12 800 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 523.3	19.7%
0-40	4 342.1	33.9%
0-60	8 998.4	70.3%
60-90	3 802.3	29.7%
70-100	1 340.5	10.5%
90-120	0	0%
0-90	12,800.7	100%
90-180	0	0%
0-180	12,800.7	100%

Illuminance at a distance

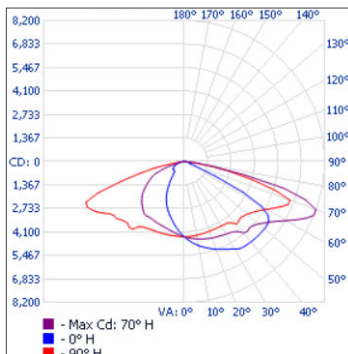
Center beam fc	Beam width
17.0'	10.7 fc
34.0'	2.68 fc
51.0'	1.19 fc
68.0'	0.67 fc
85.0'	0.43 fc
102.0'	0.30 fc

Beam width	
29.9'	93.2'
59.8'	186.4'
89.7'	279.6'
119.6'	372.7'
149.6'	465.9'
179.5'	559.1'

■ Vert. spread: 82.7°
■ Horiz. spread: 139.9°

ALK-LS4C3-XX/40K • 115 W • 4 000 K • 18 120 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 576.7	19.7%
0-40	6 168.8	34%
0-60	12 792.6	70.6%
60-90	5 327.6	29.4%
70-100	1 855.2	10.2%
90-120	0	0%
0-90	18 120.2	100%
90-180	0	0%
0-180	18 120.2	100%

Illuminance at a distance

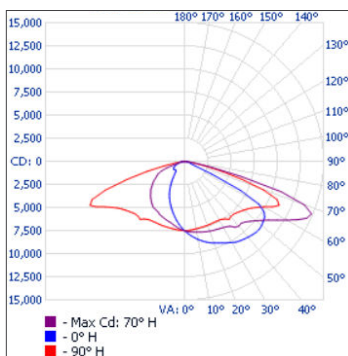
Center beam fc	Beam width
17.0'	15.2 fc
34.0'	18.1 fc
51.0'	8.06 fc
68.0'	4.54 fc
85.0'	2.90 fc
102.0'	2.01 fc

Beam width	
29.8'	98.9'
59.6'	197.8'
89.5'	296.7'
119.3'	395.5'
149.1'	494.4'
178.9'	593.3'

■ Vert. spread: 82.5°
■ Horiz. spread: 178.9°

ALK-LS5C3-XX/40K • 180 W • 4 000 K • 30 017 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	5 997.8	20%
0-40	10 254.4	34.2%
0-60	21 440.8	71.4%
60-90	8 576.6	28.6%
70-100	2 562.4	8.5%
90-120	0	0%
0-90	30 017.5	100%
90-180	0	0%
0-180	30 017.5	100%

Illuminance at a distance

Center beam fc	Beam width
17.0'	26.0 fc
34.0'	6.49 fc
51.0'	2.89 fc
68.0'	1.62 fc
85.0'	1.04 fc
102.0'	0.72 fc

Beam width	
24.4'	88.4'
48.7'	176.8'
73.1'	265.3'
97.5'	353.7'
121.8'	442.1'
146.2'	530.5'

■ Vert. spread: 71.3°
■ Horiz. spread: 137.9°

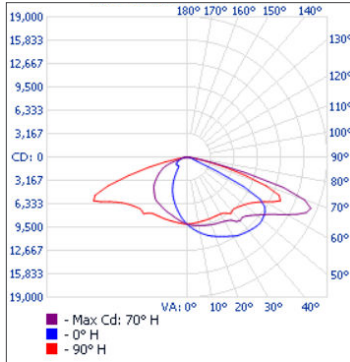
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

ALK-LS6C3-XX/40K • 230 W • 4 000 K • 36 766 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	7 272.7	19.8%
0-40	12 456.1	33.9%
0-60	26 129.6	71.1%
60-90	10 636.8	28.9%
70-100	3 221.1	8.8%
90-120	0	0%
0-90	36 766.4	100%
90-180	0	0%
0-180	36 766.4	100%

Illuminance at a distance

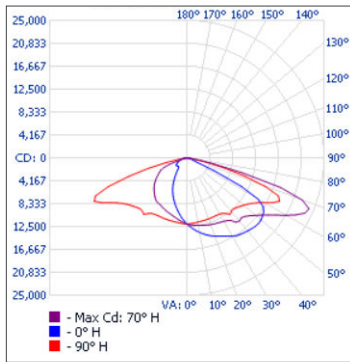
Center beam fc	Beam width
17.0'	31.5 fc
34.0'	7.86 fc
51.0'	3.49 fc
68.0'	1.97 fc
85.0'	1.26 fc
102.0'	0.87 fc

Beam width	Illuminance (fc)
24.4'	89.5'
48.8'	179.0'
73.2'	268.5'
97.6'	358.0'
122.0'	447.4'
146.4'	536.9'

Vert. spread: 71.3°
Horiz. spread: 138.4°

ALK-LS7C3-XX/40K • 300 W • 4 000 K • 48 768 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	9 619.2	19.7%
0-40	16 498.4	33.8%
0-60	34 688.0	71.1%
60-90	14 080.0	28.9%
70-100	4 224.1	8.7%
90-120	0	0%
0-90	48 768.0	100%
90-180	0	0%
0-180	48 768.0	100%

Illuminance at a distance

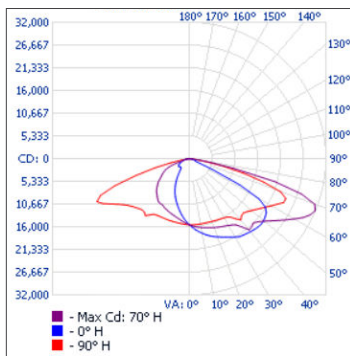
Center beam fc	Beam width
17.0'	41.6 fc
34.0'	10.4 fc
51.0'	4.62 fc
68.0'	2.60 fc
85.0'	1.66 fc
102.0'	1.15 fc

Beam width	Illuminance (fc)
24.7'	89.1'
49.5'	178.2'
74.2'	267.3'
99.0'	356.5'
123.7'	445.6'
148.4'	534.7'

Vert. spread: 72.1°
Horiz. spread: 138.2°

ALK-LS8C3-XX/40K • 420 W • 4 000 K • 65 003 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	12 575.1	19.3%
0-40	21 697.6	33.4%
0-60	45 937.3	70.7%
60-90	19 066.1	29.3%
70-100	6 133.4	9.4%
90-120	0	0%
0-90	65 003.4	100%
90-180	0	0%
0-180	65 003.4	100%

Illuminance at a distance

Center beam fc	Beam width
17.0'	53.7 fc
34.0'	13.4 fc
51.0'	5.96 fc
68.0'	3.36 fc
85.0'	2.15 fc
102.0'	1.49 fc

Beam width	Illuminance (fc)
27.8'	92.7'
55.7'	185.3'
83.5'	278.0'
111.4'	370.7'
139.2'	463.4'
167.1'	556.0'

Vert. spread: 78.6°
Horiz. spread: 139.7°

¹ Complete IES files available on our website.

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