

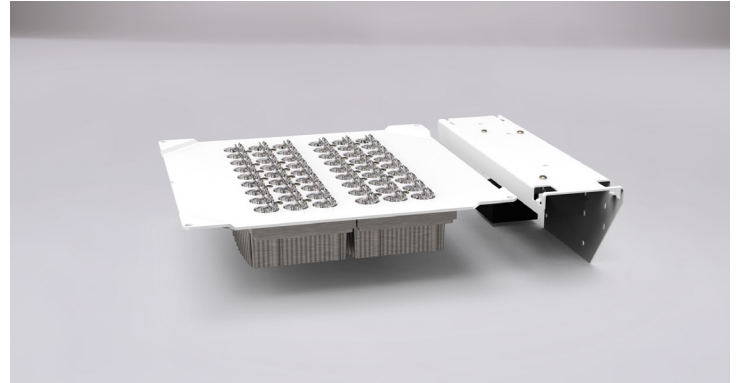
The Archetype®

FEATURES

- TIR Strike Optics
- Available in Monochromatic Amber, 2700K, 3000K, 3500K, 4000K and 5000K
- Type 1, 2, 3, 4, 4W, 5W, 5QM, L, and R distributions
- 0 - 10V dimming drivers standard
- IP65 optical assembly



3000K and warmer CCTs only



RELATED PRODUCTS

Ouro

Pavilion

PGL8

SPECIFICATIONS

CONSTRUCTION

- One piece die-cast housing, low copper (<0.6% Cu) Aluminum Alloy with integral cooling ribs over the optical chamber and electrical compartment
- All hardware is stainless steel or electro-zinc plated steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

OPTICS

- Optical cartridge system consisting of a die cast heat sink, LED Total Internal Reflection (TIR) optics, gasket and bezel plate

OPTICS (CONTINUED)

- Molded silicone gasket ensures a weather-proof seal around each individual LED
- Features revolutionary individual LED optical control based on high performance TIR optical designs
- Optional BackLight Control for complete control of unwanted backlight
- IP65 Optical assembly
- Type 1, 2, 3, 4, 4W, 5W, 5QM, R, and L standard distributions
- Available in Monochromatic Amber, 2700K, 3000K, 3500K, 4000K and 5000K
- Die-cast, low copper aluminum heat sink modules provide thermal transfer at PCB level
- Anodized aluminum heat sink modules

ELECTRICAL

- Dimming range from 10% to 100% through the use of standard 0-10V interface on the programmable driver
- Modular wiring harness in the service area provides user access to the dimming circuitry
- Optional factory programmed dimming profile
- Surge protection: 10kV surge suppression
- SF for 120, 277, 347 Line volts
DF for 208, 240, 480 Line volts

CERTIFICATIONS AND LISTINGS

- Listed to UL1598 and CSA C22.2#250.0-24 for wet location and 40°C ambient temperatures
- RoHS compliant

WARRANTY

- 5 year warranty

ORDERING GUIDE

SARK2							
Model	LED Engine	CCT/CRI ³	Distribution	Voltage	Fixture Finish		
SARK2 The Archetype 2.0 Small Kit	27L-695 27 LEDs - 6,000 Lumens	AM ^{1,4} Monochromatic Amber	1 Type I	UNV 120-277V	BLS Black Gloss Smooth		
	54L-500 54 LEDs - 9,000 Lumens	27K8 ² 2700K, 80CRI	2 Type II	347 347V	BLT Black Matte Textured		
	<i>Equivalent</i> SAR-E35= 27L-695 SAR-P35= 27L-695 SAR-P70= 54L-500	27K9 ² 2700K, 90CRI	3 Type III	480 480V	DBS Dark Bronze Gloss Smooth		
		3K7 3000K, 70CRI	4 Type IV Forward		DBT Dark Bronze Matte Textured		
		3K8 ² 3000K, 80CRI	4W Type IV Wide		GTT Graphite Matte Textured		
		3K9 ² 3000K, 90CRI	5W Type V Wide		LGS Light Grey Gloss Smooth		
		35K8 ² 3500K, 80CRI	5QM Type V Square Medium		LGT Light Grey Matte Textured		
		35K9 ² 3500K, 90CRI	R Corner Right		PSS Platinum Silver Smooth		
		4K7 4000K, 70CRI	L Corner Left		VGT Verde Green Matte Textured		
		4K8 ² 4000K, 80CRI			WHS White Gloss Smooth		
		4K9 ² 4000K, 90CRI			WHT White Matte Textured		
		5K7 5000K, 70CRI			Color Option		
		5K8 ² 5000K, 80CRI			CC Custom Color		
		5K9 ² 5000K, 90CRI					

House Side Shield	Fuse Options
BC ¹ Backlight Control	SF 120, 277, 347 Line Volts
	DF 208, 240, 480 Line Volts

Notes:

- Backlight Control not available for Type 5QM and 5W
- See Lumen Multiplier chart on Page 11 for lumen scaling factor. Consult factory for additional details.
- 5-step MacAdam Ellipse Binning is standard. Consult factory for 3-step MacAdam Ellipse Binning
- Turtle Friendly.

DELIVERED LUMENS

NO LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
27	6,000	695	1	6316	1	0	0	105.5	6782	1	0	1	113.3	6902	1	0	1	115.3
			1-BC	3602	0	0	0	60.2	3867	0	0	0	64.6	3936	0	0	0	65.7
			2	5933	1	0	1	99.1	6370	1	0	1	106.4	6483	1	0	1	108.3
			2-BC	3358	0	0	1	56.1	3606	0	0	1	60.2	3670	0	0	1	61.3
			3	5701	1	0	2	95.2	6122	1	0	2	102.3	6230	1	0	2	104.1
			3-BC	3172	0	0	1	53.0	3406	0	0	1	56.9	3466	0	0	1	57.9
			4	5956	1	0	2	99.5	6395	1	0	2	106.8	6508	1	0	2	108.7
			4-BC	3943	0	0	1	65.9	4234	0	0	2	70.7	4309	0	0	2	72.0
			4W	5564	1	0	2	59.9	5974	1	0	2	99.8	6080	1	0	2	101.6
			4W-BC	3259	0	0	1	54.4	3499	0	0	1	58.4	3561	0	0	1	59.5
			5W	5950	3	0	1	99.4	6389	3	0	1	106.7	6502	3	0	1	108.6
			5QM	6390	2	0	1	106.7	6861	2	0	1	114.6	6983	2	0	1	116.6
			R	6032	1	0	2	100.8	6476	1	0	2	108.2	6591	1	0	2	110.1
			L	6032	1	0	2	100.8	6476	1	0	2	108.2	6591	1	0	2	110.1
54	9,000	500	1	9781	1	0	1	116.1	10502	1	0	1	124.6	10688	1	0	1	127.0
			1-BC	5578	0	0	0	66.2	5989	0	0	0	71.1	6095	0	0	0	72.7
			2	9188	1	0	2	109.0	9865	2	0	2	116.8	10040	2	0	2	118.6
			2-BC	5201	0	0	1	61.7	5585	0	0	1	84.3	5684	0	0	1	67.2
			3	8829	1	0	2	104.8	9480	1	0	2	112.5	9648	1	0	2	115.6
			3-BC	4912	0	0	2	58.3	5275	0	0	2	62.6	5368	0	0	2	63.6
			4	9223	1	0	2	109.4	9903	1	0	2	117.5	10079	1	0	2	119.6
			4-BC	6107	0	0	2	72.5	6557	0	0	2	77.8	6673	0	0	2	79.2
			4W	8616	1	0	2	84.3	9251	0	0	2	109.8	9415	1	0	2	112.0
			4W-BC	5047	0	0	2	59.9	5419	0	0	2	64.3	5515	0	0	2	65.9
			5W	9215	3	0	2	109.3	9895	3	0	2	117.4	10070	3	0	2	119.1
			5QM	9896	3	0	1	117.4	10626	3	0	1	126.1	10814	3	0	1	127.7
			R	9341	1	0	2	110.8	10029	2	0	2	119.0	10207	2	0	2	120.8
			L	9341	1	0	2	110.8	10029	2	0	2	119.0	10207	2	0	2	120.8

SARK2

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS (CONTINUED)

CLR LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
27	6,000	695	1	5491	1	0	0	91.7	5896	1	0	0	98.5	6001	1	0	0	100.2
			1-BC	3132	0	0	0	52.3	3362	0	0	0	56.2	3422	0	0	0	57.2
			2	5158	1	0	1	86.2	5538	1	0	1	92.5	5636	1	0	1	94.1
			2-BC	2919	0	0	1	48.8	3135	0	0	1	52.4	3191	0	0	1	53.3
			3	4956	1	0	1	82.8	5322	1	0	2	88.9	5416	1	0	2	90.5
			3-BC	2758	0	0	1	46.1	2961	0	0	1	49.5	3013	0	0	1	50.3
			4	5178	0	0	2	86.5	5560	1	0	2	92.9	5658	1	0	2	94.5
			4-BC	3428	0	0	1	57.3	3681	0	0	1	61.5	3746	0	0	1	62.6
			4W	4837	1	0	2	80.8	5194	1	0	2	86.8	5286	1	0	2	88.3
			4W-BC	2833	0	0	1	47.3	3042	0	0	1	50.8	3096	0	0	1	51.7
			5W	5173	3	0	1	86.4	5555	3	0	1	92.8	5653	3	0	1	94.4
			5QM	5555	2	0	1	92.8	5965	2	0	1	99.6	6071	2	0	1	101.4
			R	5244	1	0	2	87.6	5630	1	0	2	94.0	5730	1	0	2	95.7
			L	5244	1	0	2	87.6	5630	1	0	2	94.0	5730	1	0	2	95.7
54	9,000	500	1	8504	1	0	1	100.9	9130	1	0	1	108.3	9292	1	0	1	110.3
			1-BC	4850	0	0	0	57.6	5207	0	0	0	61.8	5299	0	0	0	62.9
			2	7988	1	0	2	94.8	8577	1	0	2	101.8	8729	1	0	2	103.6
			2-BC	4522	0	0	1	53.7	4856	0	0	1	57.6	4942	0	0	1	58.6
			3	7676	1	0	2	91.1	8242	1	0	2	97.8	8388	1	0	2	100.0
			3-BC	4271	0	0	1	50.7	4586	0	0	1	54.4	4667	0	0	1	55.4
			4	8019	1	0	2	95.2	8610	1	0	2	102.2	8763	1	0	2	104.0
			4-BC	5309	0	0	2	63.0	5701	0	0	2	67.7	5802	0	0	2	68.9
			4W	7491	1	0	2	88.9	8043	1	0	2	95.4	8185	1	0	2	97.1
			4W-BC	4388	0	0	2	52.1	4711	0	0	2	55.9	4795	0	0	2	56.9
			5W	8012	3	0	2	95.1	8603	3	0	1	102.1	8755	3	0	2	103.9
			5QM	8604	3	0	1	102.1	9238	3	0	1	109.6	9402	3	0	1	111.6
			R	8121	1	0	2	96.4	8719	1	0	2	103.5	8874	1	0	2	105.3
			L	8121	1	0	2	96.4	8719	1	0	2	103.5	8874	1	0	2	105.3

SARK2

ARCHITECTURAL AREA/SITE

DELIVERED LUMENS (CONTINUED)

PL LENS

LED #	Nominal Lumen Package	Drive Current	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w	Lumen	BUG Rating			lm/w
					B	U	G			B	U	G			B	U	G	
27	6,000	695	1	5403	1	0	0	90.2	5802	1	0	0	96.9	5905	1	0	0	98.6
			1-BC	3082	0	0	0	51.5	3308	0	0	0	55.3	3367	0	0	0	56.2
			2	5076	1	0	1	84.8	5450	1	0	1	91.0	5546	1	0	1	92.6
			2-BC	2873	0	0	1	48.0	3085	0	0	1	51.5	3140	0	0	1	52.4
			3	4877	1	0	1	81.5	5237	1	0	1	87.5	5330	1	0	2	89.0
			3-BC	2714	0	0	1	45.3	2914	0	0	1	48.7	2965	0	0	1	49.5
			4	5095	1	0	2	85.1	5471	1	0	2	91.4	5568	1	0	2	93.0
			4-BC	3373	0	0	1	56.3	3622	0	0	1	60.5	3686	0	0	1	61.6
			4W	4760	1	0	2	79.5	5111	1	0	2	85.4	5202	0	0	1	86.9
			4W-BC	2788	0	0	1	46.6	2993	0	0	1	50.0	3046	0	0	1	50.9
			5W	5090	3	0	1	85.0	5466	3	0	1	91.3	5563	3	0	1	92.9
			5QM	5467	2	0	1	91.3	5870	2	0	1	98.0	5974	2	0	1	99.8
			R	5160	1	0	2	86.2	5540	1	0	2	92.5	5639	1	0	2	94.2
			L	5160	1	0	2	86.2	5540	1	0	2	92.5	5639	1	0	2	94.2
54	9,000	500	1	8368	1	0	1	99.3	8985	1	0	1	106.6	9144	1	0	1	108.5
			1-BC	4772	0	0	0	56.6	5124	0	0	0	60.8	5214	0	0	0	61.9
			2	7860	1	0	1	93.3	8440	1	0	2	100.2	8589	1	0	2	101.9
			2-BC	4450	0	0	1	52.8	4778	0	0	1	56.7	4863	0	0	1	57.7
			3	7553	1	0	2	89.6	8110	1	0	2	96.2	8254	1	0	2	97.9
			3-BC	4202	0	0	1	49.9	4513	0	0	1	53.6	4592	0	0	1	54.5
			4	7890	1	0	2	93.6	8472	1	0	2	100.5	8623	0	0	2	102.3
			4-BC	5225	0	0	2	62.0	5610	0	0	2	66.6	5709	0	0	2	67.7
			4W	7371	1	0	2	87.5	7914	1	0	2	93.9	8055	1	0	2	95.6
			4W-BC	4318	0	0	2	51.2	4636	0	0	2	55.0	4718	0	0	2	56.0
			5W	7884	3	0	2	93.6	8465	3	0	2	100.5	8615	3	0	2	102.2
			5QM	8466	3	0	1	100.5	9091	3	0	1	107.9	9252	3	0	1	109.8
			R	7991	1	0	2	94.8	8580	1	0	2	101.8	8732	1	0	2	103.6
			L	7991	1	0	2	94.8	8580	1	0	2	101.8	8732	1	0	2	103.6

SARK2

ARCHITECTURAL AREA/SITE

PHOTOMETRY

SAR2-27L-695-4K7-1

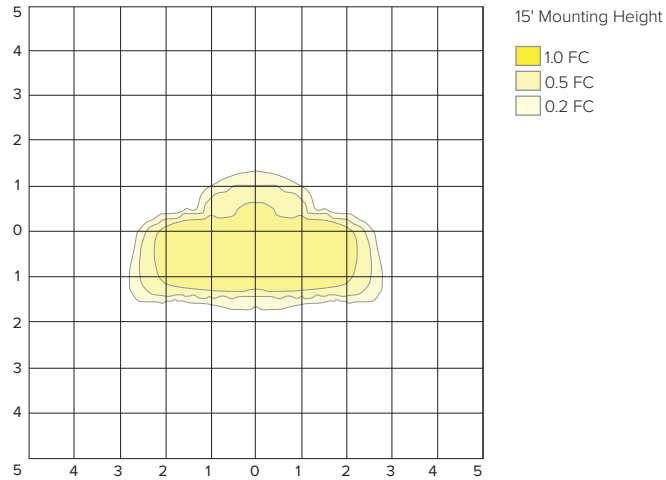
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6782
Watts	59.87
Efficacy	113.3
IES Type	1
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6026	88.8%
Downward House Side	757	11.2%
Downward Total	6783	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6783	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-1-BC

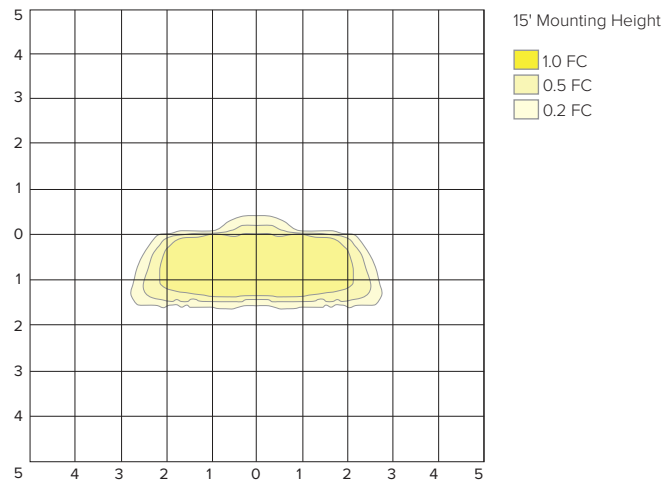
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3871
Watts	59.87
Efficacy	64.7
IES Type	1-BC
BUG Rating	B0-U0-G0
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3796	98.0%
Downward House Side	76	2.0%
Downward Total	3871	99.9%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3871	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-2

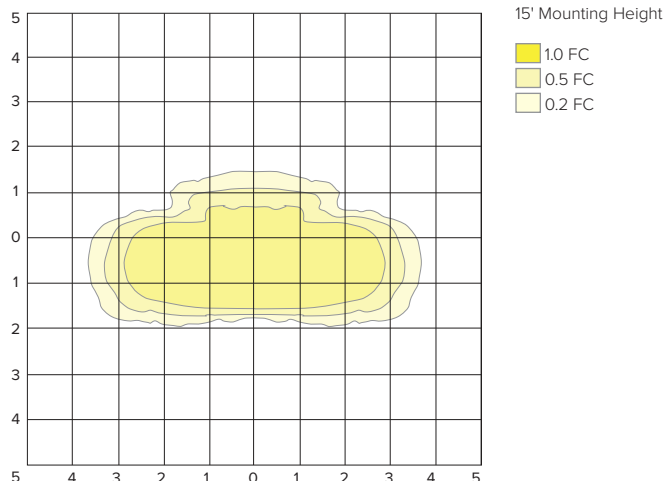
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6370
Watts	59.87
Efficacy	106.4
IES Type	2
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5259	82.5%
Downward House Side	1112	17.5%
Downward Total	6371	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6371	100%

ISOFOOT CANDLE PLOT



SARK2

ARCHITECTURAL AREA/SITE

PHOTOMETRY

SAR2-27L-695-4K7-2-BC

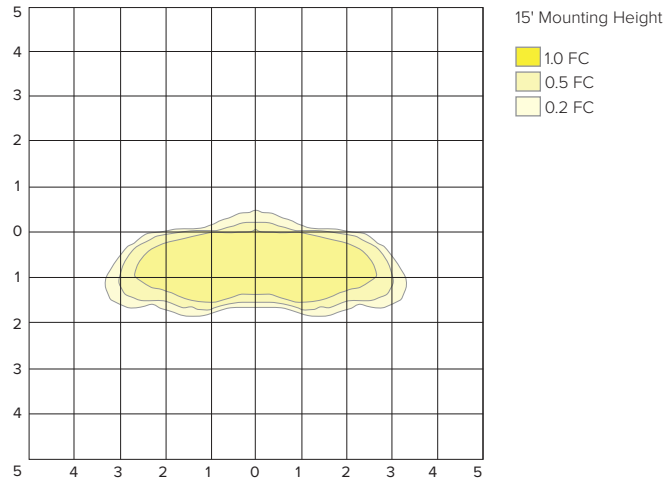
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3609
Watts	59.87
Efficacy	60.3
IES Type	2-BC
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3528	97.7%
Downward House Side	81	2.2%
Downward Total	3609	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3609	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-3

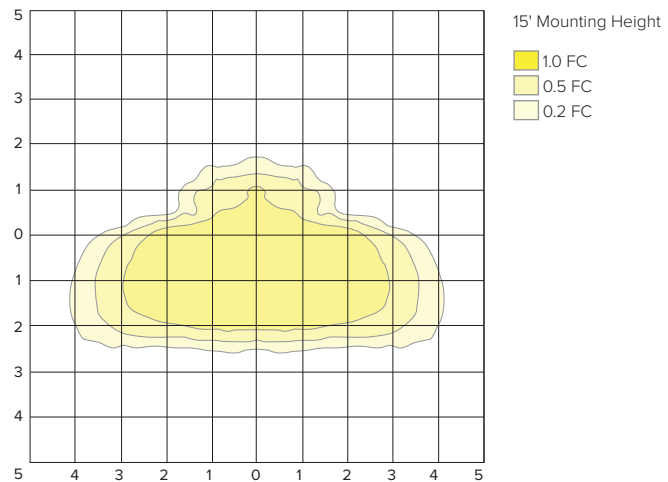
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6122
Watts	58.87
Efficacy	104.0
IES Type	3
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5245	85.7%
Downward House Side	877	14.3%
Downward Total	6122	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6122	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-3-BC

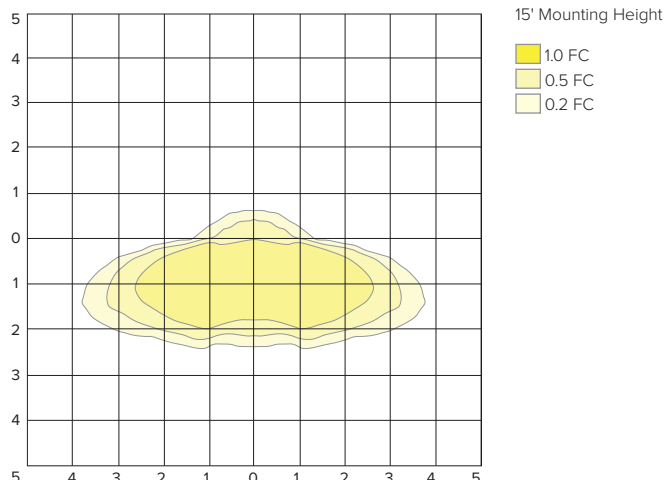
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3407
Watts	59.87
Efficacy	56.9
IES Type	3-BC
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3304	96.9%
Downward House Side	103	3.0%
Downward Total	3407	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3407	100%

ISOFOOT CANDLE PLOT



SARK2

ARCHITECTURAL AREA/SITE

PHOTOMETRY

SAR2-27L-695-4K7-4

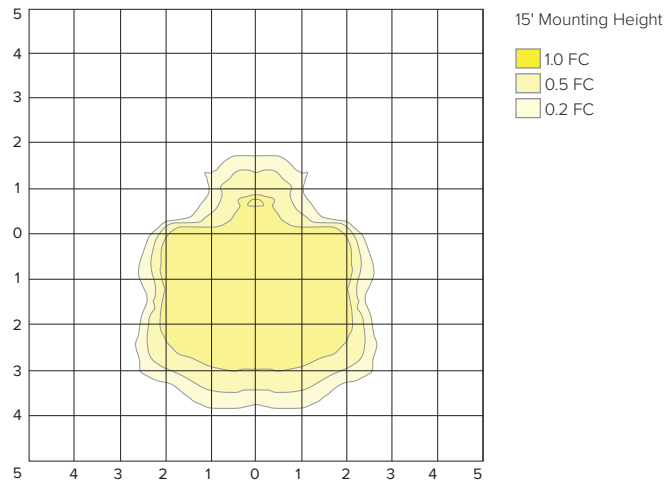
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6395
Watts	59.87
Efficacy	106.8
IES Type	4
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5544	86.7%
Downward House Side	852	13.3%
Downward Total	6396	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6396	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-4-BC

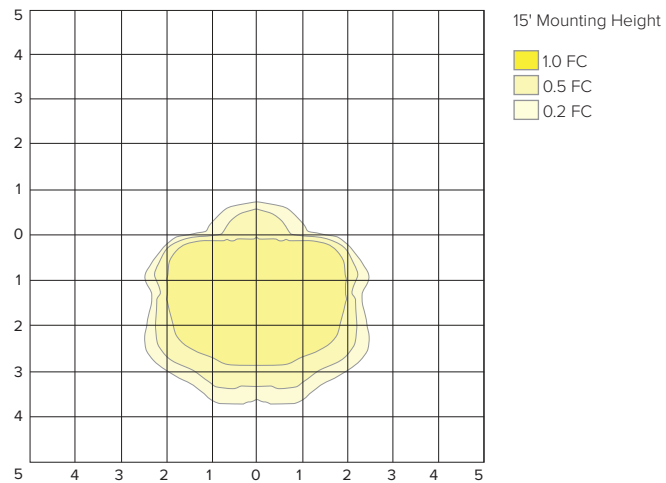
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	4236
Watts	59.87
Efficacy	70.8
IES Type	4-BC
BUG Rating	B0-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3995	94.3%
Downward House Side	241	5.7%
Downward Total	4236	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	4236	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-4W

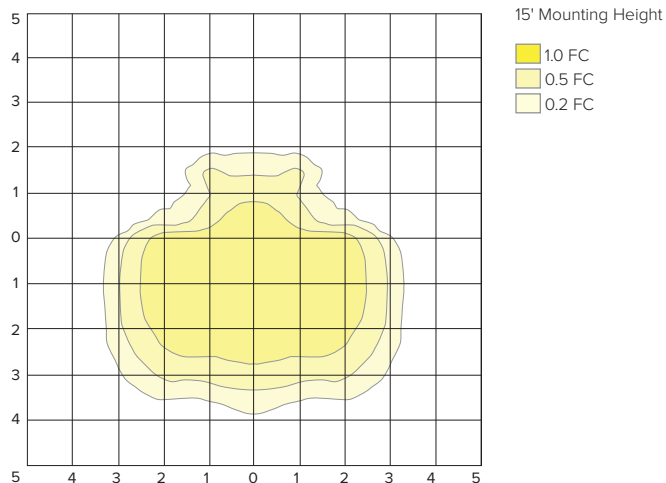
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5975
Watts	59.87
Efficacy	99.8
IES Type	4W
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5179	86.7%
Downward House Side	796	13.3%
Downward Total	5975	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5975	100%

ISOFOOT CANDLE PLOT



SARK2

ARCHITECTURAL AREA/SITE

PHOTOMETRY

SAR2-27L-695-4K7-4W-BC

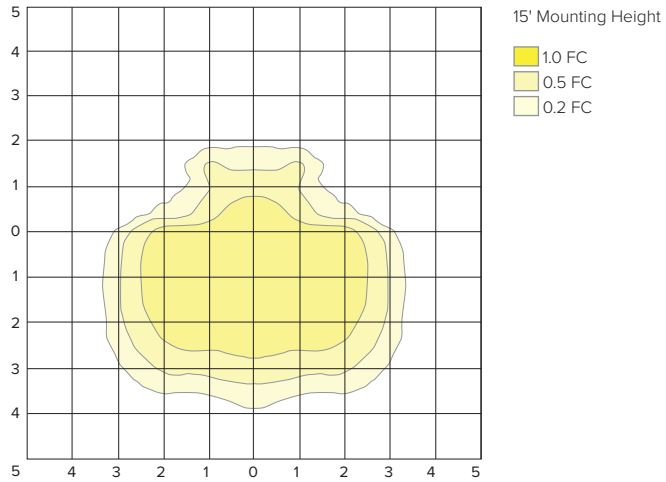
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	4236
Watts	59.87
Efficacy	70.8
IES Type	4W-BC
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3995	94.3%
Downward House Side	241	5.7%
Downward Total	4236	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	4236	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-5QM

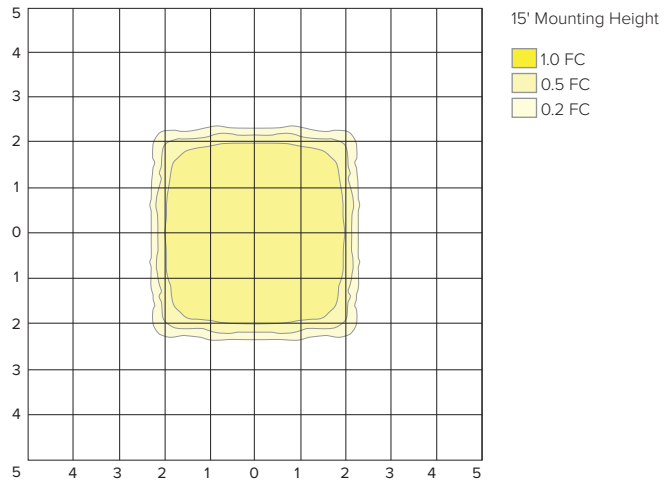
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6862
Watts	59.87
Efficacy	114.6
IES Type	5QM
BUG Rating	B2-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3431	50.0%
Downward House Side	3431	50.0%
Downward Total	6862	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6862	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-5W

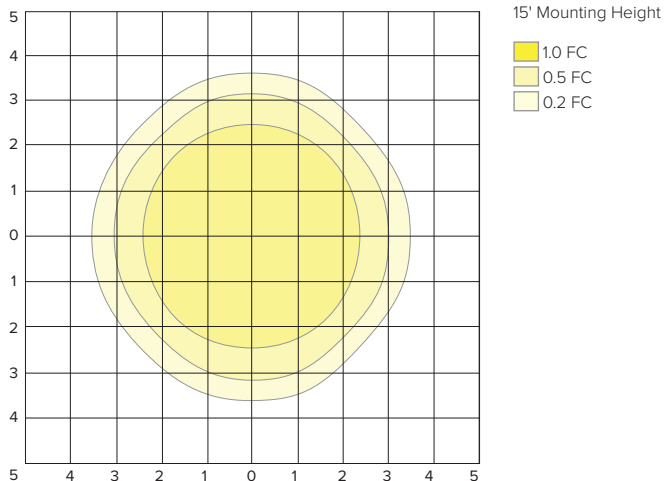
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6390
Watts	59.87
Efficacy	106.7
IES Type	5QM
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3195	50.0%
Downward House Side	3195	50.0%
Downward Total	6390	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6390	100%

ISOFOOT CANDLE PLOT



PHOTOMETRY

SAR2-27L-695-4K7-R

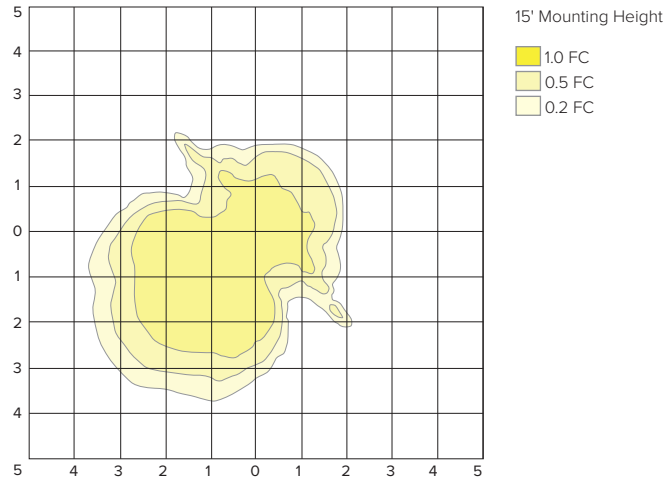
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6475
Watts	59.87
Efficacy	108.2
IES Type	R
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5340	82.5%
Downward House Side	1135	17.5%
Downward Total	6475	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6475	100%

ISOFOOT CANDLE PLOT



SAR2-27L-695-4K7-L

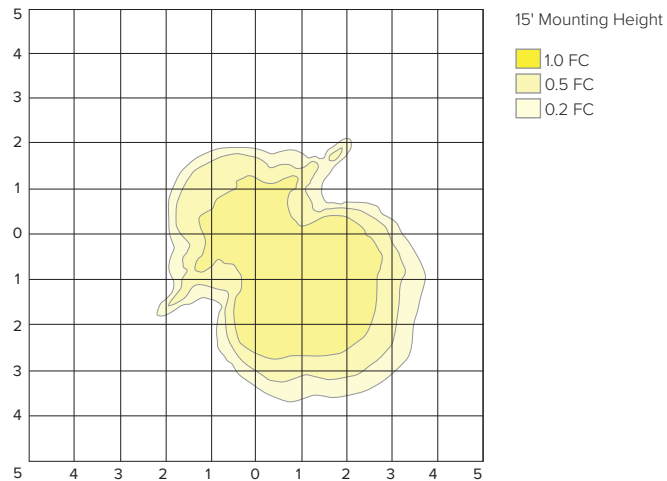
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6476
Watts	59.87
Efficacy	108.2
IES Type	L
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

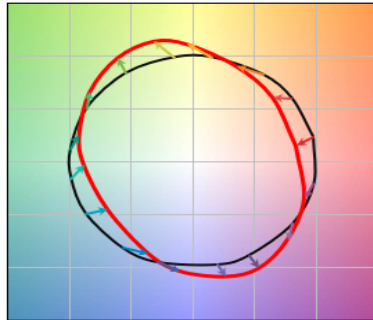
Zone	Lumens	% Luminaire
Downward Street Side	5493	84.8%
Downward House Side	983	15.2%
Downward Total	6476	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6476	100%

ISOFOOT CANDLE PLOT



TM-30 DATA

COLOR VECTOR GRAPHIC

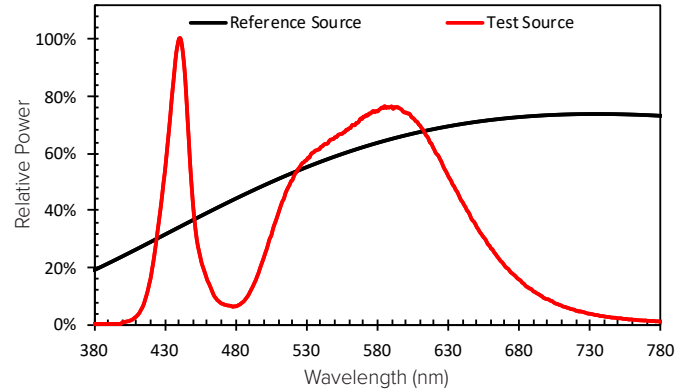


— Reference Illuminant — Test Source

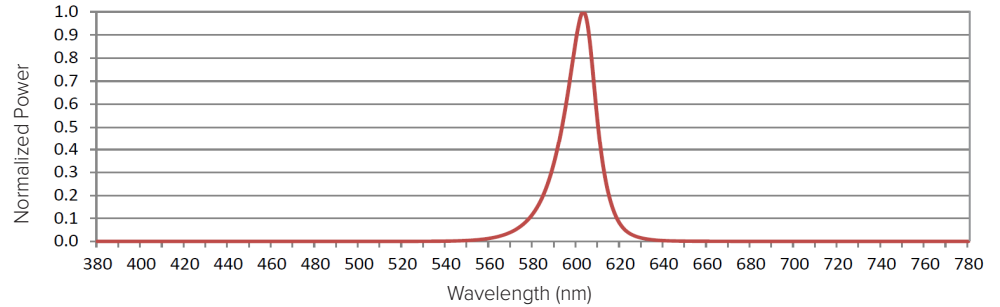
TEST SOURCE

R _f	68
R _a	99
CCT(K)	3947
D _{uv}	0.0004
x	0.3831
y	0.3793
CIE R _a	72

SPECTRAL POWER DISTRIBUTION COMPARISON



AMBER SPECTRAL POWER DISTRIBUTION



ELECTRICAL DATA

LED Count	System Watts	Current	Line Voltage		Amps AC						Min Power Factor	Max. THD (%)	Dimming					
			VAC	Hz	120	208	240	277	347	480			Dimming Range	Source Current Out		Absolute Voltage		
														Min	Max	Min	Max	
27 LEDs	58.87	695 mA	120-480	50/60	0.50	0.29	0.25	0.22	0.17	0.12	>0.9	20	10% to 100%	0mA	1mA	0V	10V	
54 LEDs	84.27	500 mA			0.70	0.41	0.35	0.30	0.24	0.18								

TM-21 Lifetime Calculation - Projected Lumen Maintenance (25°C / 77°F)

Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	98.05%	96.94%	95.54%	90.73%	>60khrs

CRI Lumen Multiplier for 80 and 90 CRI

CCT	80 CRI	90 CRI
2700K	0.859	0.655
3000K	0.9119	.7033
3500K	0.906	0.732
4000K	0.8941	.734
5000K	0.879	.7712
Scaling factor of 5000K 70CRI lumen packages		