

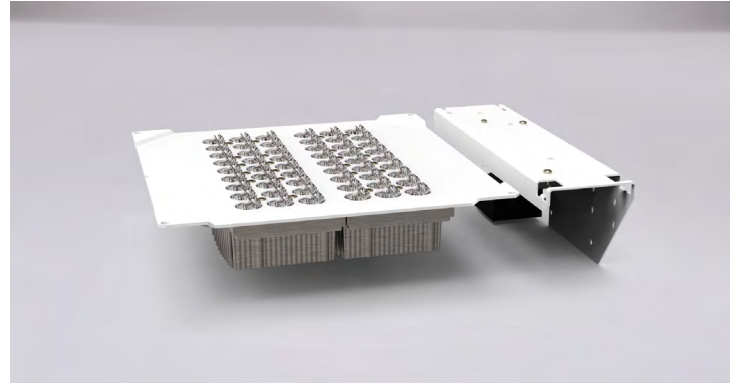
FEATURES

- 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

Entablature®



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

SETK2

LED UPGRADE KIT

ORDERING GUIDE

SETK2											
Kit		LED Engine		CCT/CRI ³		Distribution		Voltage		Fixture Finish	
SETK2	Entablature 2.0 Small Kit	27L-600	27 LEDs - 5,500 Lumens	AM ⁴	Monochromatic Amber	1	Type I	UNV	120-277V	BLS	Black Gloss Smooth
		54L-400	54 LEDs - 7,500 Lumens	27K8 ²	2700K, 80CRI	2	Type II	347	347V	BLT	Black Matte Textured
		54L-500	54 LEDs - 9,000 Lumens	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:

- Back Light Control not available for Type 5Q and Type 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.

SETK2

LED UPGRADE KIT

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	5,500	600	1	5716	1	0	0	108.3	6137	1	0	0	116.3	6246	1	0	0	118.4
			1-BC	3260	0	0	0	61.8	3500	0	0	0	66.3	3562	0	0	0	67.5
			2	5369	1	0	1	101.7	5765	1	0	1	109.2	5867	1	0	1	111.2
			2-BC	3040	0	0	1	57.6	3264	0	0	1	61.9	3322	0	0	1	63.0
			3	5162	1	0	2	97.8	5543	1	0	2	105.0	5641	1	0	2	106.9
			3-BC	2871	0	0	1	54.4	3082	0	0	1	58.4	3137	0	0	1	59.4
			4	5434	1	0	2	103.0	5835	1	0	2	110.6	5938	1	0	2	112.5
			4-BC	3630	0	0	1	68.8	3898	0	0	1	73.9	3967	0	0	1	75.2
			4W	5034	1	0	2	95.4	5405	2	0	1	102.4	5501	1	0	2	104.2
			4W-BC	2948	0	0	1	55.9	3166	0	0	1	60.0	3222	0	0	1	61.1
			5W	5385	3	0	1	102.0	5782	3	0	1	109.6	5884	3	0	1	111.5
			5QM	5783	2	0	1	109.6	6209	2	0	1	117.7	6319	2	0	1	119.7
			R	5458	1	0	2	103.4	5860	1	0	2	111.0	5964	1	0	2	113.0
			L	5458	1	0	2	103.4	5860	1	0	2	111.0	5964	1	0	2	113.0
54	7,500	400	1	7861	1	0	1	116.8	8440	1	0	1	125.4	8590	1	0	1	127.6
			1-BC	4482	0	0	0	66.6	4813	0	0	0	71.5	4898	0	0	0	72.8
			2	7384	1	0	1	109.7	7928	1	0	2	117.8	8069	1	0	2	119.9
			2-BC	4180	0	0	1	62.1	4488	0	0	1	66.7	4568	0	0	1	67.9
			3	7099	1	0	2	105.5	7623	1	0	2	113.3	7758	1	0	2	115.3
			3-BC	3948	0	0	1	58.7	4239	0	0	1	63.0	4314	0	0	1	64.1
			4	7474	1	0	2	111.0	8025	1	0	2	119.2	8167	1	0	2	121.3
			4-BC	4993	0	0	2	74.2	5361	0	0	2	79.6	5456	0	0	2	81.1
			4W	6924	1	0	2	102.9	7434	1	0	2	110.4	7566	1	0	2	112.4
			4W-BC	4056	0	0	1	60.3	4355	0	0	2	64.7	4432	0	0	2	65.8
			5W	7406	3	0	1	110.0	7952	3	0	2	118.1	8093	3	0	2	120.2
			5QM	7952	3	0	1	118.1	8539	3	0	1	126.9	8690	3	0	1	129.1
			R	7507	1	0	2	111.5	8060	1	0	2	119.7	8203	1	0	2	121.9
			L	7507	1	0	2	111.5	8060	1	0	2	119.7	8203	1	0	2	121.9
	9,000	500	1	10074	1	0	1	118.8	10817	1	0	1	127.6	11009	1	0	1	129.8
			1-BC	5745	0	0	0	67.8	6169	0	0	0	72.8	6278	0	0	0	74.0
			2	9463	1	0	2	111.6	10161	2	0	2	119.8	10341	2	0	2	122.0
			2-BC	5358	0	0	1	63.2	5753	0	0	1	67.8	5855	0	0	1	69.1
			3	9099	1	0	2	107.3	9770	1	0	2	115.2	9943	1	0	2	117.3
			3-BC	5060	0	0	2	59.7	5433	0	0	2	64.1	5529	0	0	2	65.2
			4	9578	1	0	2	113.0	10285	1	0	2	121.3	10467	1	0	2	123.4
			4-BC	6399	0	0	2	75.5	6871	0	0	2	81.0	6993	0	0	2	82.5
			4W	8874	1	0	2	104.7	9528	3	0	1	112.4	9697	1	0	2	114.4
			4W-BC	5198	0	0	2	61.3	5581	0	0	2	65.8	5680	0	0	2	67.0
			5W	9492	3	0	2	111.9	10191	3	0	2	120.2	10372	3	0	2	122.3
			5QM	10193	3	0	1	120.2	10944	3	0	1	129.1	11138	3	0	1	131.4
			R	9621	1	0	2	113.5	10330	2	0	2	121.8	10513	2	0	2	124.0
			L	9621	1	0	2	113.5	10330	2	0	2	121.8	10513	2	0	2	124.0

SETK2

LED UPGRADE KIT

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	5,500	600	1	4970	1	0	0	94.2	5336	1	0	0	101.1	5430	1	0	0	102.9
			1-BC	2834	0	0	0	53.7	3043	0	0	0	57.7	3097	0	0	0	58.7
			2	4668	1	0	1	88.5	5012	1	0	1	95.0	5101	1	0	1	96.7
			2-BC	2643	0	0	0	50.1	2838	0	0	1	53.8	2888	0	0	1	54.7
			3	4488	1	0	1	85.0	4819	1	0	1	91.3	4904	1	0	1	92.9
			3-BC	2496	0	0	1	47.3	2680	0	0	1	50.8	2727	0	0	1	51.7
			4	4724	1	0	2	89.5	5073	1	0	2	96.1	5168	1	0	2	97.9
			4-BC	3156	0	0	1	59.8	3389	0	0	1	64.2	3449	0	0	1	65.4
			4W	4377	1	0	2	82.9	4699	1	0	2	89.0	4783	1	0	2	90.6
			4W-BC	2563	0	0	1	48.6	2753	0	0	1	52.2	2801	0	0	1	53.1
			5W	4682	3	0	1	88.7	5027	3	0	1	95.3	5116	3	0	1	96.9
			5QM	5028	2	0	0	95.3	5398	2	0	1	102.3	5494	2	0	1	104.1
			R	4745	1	0	1	89.9	5095	1	0	1	96.6	5185	1	0	2	98.3
			L	4745	1	0	1	89.9	5095	1	0	1	96.6	5185	1	0	2	98.3
54	7,500	400	1	6834	1	0	1	101.5	7338	1	0	1	109.0	7468	1	0	1	110.9
			1-BC	3897	0	0	0	57.9	4184	0	0	0	62.2	4258	0	0	0	63.3
			2	6420	1	0	1	95.4	6893	1	0	1	102.4	7015	1	0	1	104.2
			2-BC	3634	0	0	1	54.0	3902	0	0	1	58.0	3971	0	0	1	59.0
			3	6172	1	0	2	91.7	6627	1	0	2	98.5	6745	1	0	2	100.2
			3-BC	3432	0	0	1	51.0	3685	0	0	1	54.7	3751	0	0	1	55.7
			4	6498	1	0	2	96.5	6977	1	0	2	103.7	7100	1	0	2	105.5
			4-BC	4341	0	0	2	64.5	4661	0	0	2	69.2	4743	0	0	2	70.5
			4W	6020	1	0	2	89.4	6463	1	0	2	96.0	6578	1	0	2	97.7
			4W-BC	3526	0	0	1	52.4	3786	0	0	1	56.2	3853	0	0	1	57.2
			5W	6439	3	0	1	95.7	6913	3	0	1	102.7	7036	3	0	1	104.5
			5QM	6913	2	0	1	102.7	7424	2	0	1	110.3	7555	3	0	1	112.2
			R	6527	1	0	2	97.0	7007	1	0	2	104.1	7132	1	0	2	106.0
			L	6527	1	0	2	97.0	7007	1	0	2	104.1	7132	1	0	2	106.0
	9,000	500	1	8758	1	0	1	103.3	9404	1	0	1	110.9	9571	1	0	1	112.9
			1-BC	4995	0	0	0	58.9	5363	0	0	0	63.3	5458	0	0	0	64.4
			2	8227	1	0	2	97.0	8834	1	0	2	104.2	8990	1	0	2	106.0
			2-BC	4658	0	0	1	54.9	5002	0	0	1	59.0	5090	0	0	1	60.0
			3	7911	1	0	2	93.3	8494	1	0	2	100.2	8644	1	0	2	101.9
			3-BC	4399	0	0	1	51.9	4723	0	0	1	55.7	4807	0	0	1	56.7
			4	8327	1	0	2	98.2	8942	1	0	2	105.5	9100	1	0	2	107.3
			4-BC	5563	0	0	2	65.6	5974	0	0	2	70.5	6080	0	0	2	71.7
			4W	7715	1	0	2	91.0	8284	1	0	2	97.7	8431	1	0	2	99.4
			4W-BC	4519	0	0	2	53.3	4852	0	0	2	57.2	4938	0	0	2	58.2
			5W	8252	3	0	2	97.3	8860	3	0	2	104.5	9017	3	0	2	106.3
			5QM	8862	3	0	1	104.5	9515	3	0	1	112.2	9683	3	0	1	114.2
			R	8365	1	0	2	98.7	8981	1	0	2	105.9	9140	1	0	2	107.8
			L	8365	1	0	2	98.7	8981	1	0	2	105.9	9140	1	0	2	107.8

SETK2

LED UPGRADE KIT

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	5,500	600	1	4890	1	0	0	92.7	5250	1	0	0	99.5	5344	1	0	0	101.3
			1-BC	2789	0	0	0	52.9	2994	0	0	0	56.7	3047	0	0	0	57.7
			2	4593	1	0	1	87.0	4932	1	0	1	93.5	5019	1	0	1	95.1
			2-BC	2601	0	0	0	49.3	2792	0	0	0	52.9	2842	0	0	1	53.9
			3	4416	1	0	1	83.7	4742	1	0	1	89.9	4826	1	0	1	91.5
			3-BC	2456	0	0	1	46.5	2637	0	0	1	50.0	2684	0	0	1	50.9
			4	4649	1	0	2	88.1	4992	1	0	2	94.6	5080	1	0	2	96.3
			4-BC	3106	0	0	1	58.9	3335	0	0	1	63.2	3394	0	0	1	64.3
			4W	4307	1	0	2	81.6	4624	1	0	2	87.6	4706	1	0	2	89.2
			4W-BC	2522	0	0	1	47.8	2709	0	0	1	51.3	2756	0	0	1	52.2
			5W	4607	3	0	1	87.3	4947	3	0	1	93.7	5034	3	0	1	95.4
			5QM	4947	2	0	0	93.7	5312	2	0	0	100.7	5406	2	0	1	102.4
			R	4669	1	0	1	88.5	5013	1	0	1	95.0	5102	1	0	1	96.7
			L	4669	1	0	1	88.5	5013	1	0	1	95.0	5102	1	0	1	96.7
54	7,500	400	1	6725	1	0	1	99.9	7221	1	0	1	107.3	7349	1	0	1	109.2
			1-BC	3834	0	0	0	57.0	4118	0	0	0	61.2	4190	0	0	0	62.2
			2	6317	1	0	1	93.8	6783	1	0	1	100.8	6903	1	0	1	102.6
			2-BC	3576	0	0	1	53.1	3840	0	0	1	57.0	3908	0	0	1	58.1
			3	6073	1	0	2	90.2	6522	1	0	2	96.9	6637	1	0	2	98.6
			3-BC	3378	0	0	1	50.2	3627	0	0	1	53.9	3691	0	0	1	54.8
			4	6394	1	0	2	95.0	6866	1	0	2	102.0	6987	1	0	2	103.8
			4-BC	4272	0	0	2	63.5	4586	0	0	2	68.1	4668	0	0	2	69.4
			4W	5924	1	0	2	88.0	6360	1	0	2	94.5	6473	1	0	2	96.2
			4W-BC	3470	0	0	1	51.6	3726	0	0	1	55.4	3792	0	0	1	56.3
			5W	6336	3	0	1	94.1	6803	3	0	1	101.1	6924	3	0	1	102.9
			5QM	6803	2	0	1	101.1	7305	2	0	1	108.5	7434	2	0	1	110.4
			R	6422	1	0	2	95.4	6895	1	0	2	102.4	7018	1	0	2	104.3
			L	6422	1	0	2	95.4	6895	1	0	2	102.4	7018	1	0	2	104.3
	9,000	500	1	8618	1	0	1	101.6	9254	1	0	1	109.1	9418	1	0	1	111.1
			1-BC	4915	0	0	0	58.0	5278	0	0	0	62.2	5371	0	0	0	63.3
			2	8096	1	0	2	95.5	8693	1	0	2	102.5	8847	1	0	2	104.3
			2-BC	4584	0	0	1	54.1	4922	0	0	1	58.0	5009	0	0	1	59.1
			3	7784	1	0	2	91.8	8358	1	0	2	98.6	8506	1	0	2	100.3
			3-BC	4329	0	0	1	51.1	4648	0	0	1	54.8	4730	0	0	1	55.8
			4	8194	1	0	2	96.6	8799	1	0	2	103.8	8955	1	0	2	105.6
			4-BC	5474	0	0	2	64.6	5878	0	0	2	69.3	5983	0	0	2	70.6
			4W	7592	1	0	2	89.5	8151	1	0	2	96.1	8296	1	0	2	97.8
			4W-BC	4447	0	0	2	52.4	4775	0	0	2	56.3	4859	0	0	2	57.3
			5W	8121	3	0	2	95.8	8719	3	0	2	102.8	8873	3	0	2	104.6
			5QM	8720	3	0	1	102.8	9363	3	0	1	110.4	9529	3	0	1	112.4
			R	8231	1	0	2	97.1	8837	1	0	2	104.2	8994	1	0	2	106.1
			L	8231	1	0	2	97.1	8837	1	0	2	104.2	8994	1	0	2	106.1

SETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-1

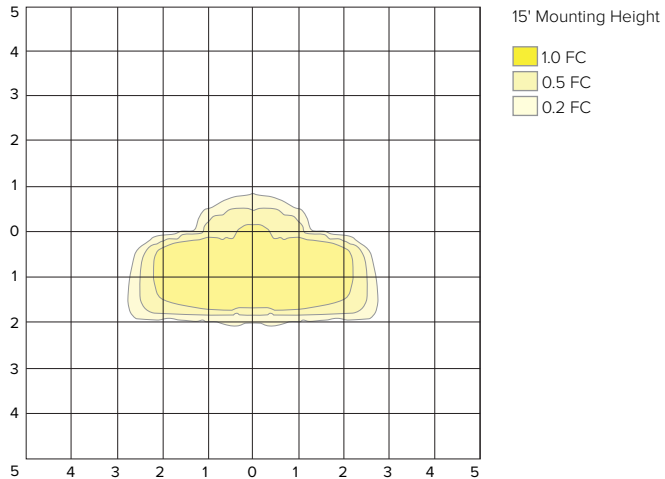
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6139
Watts	52.77
Efficacy	116.3
IES Type	1
BUG Rating	B1-U0-G0
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5454	88.8%
Downward House Side	686	11.2%
Downward Total	6139	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6139	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-1-BC

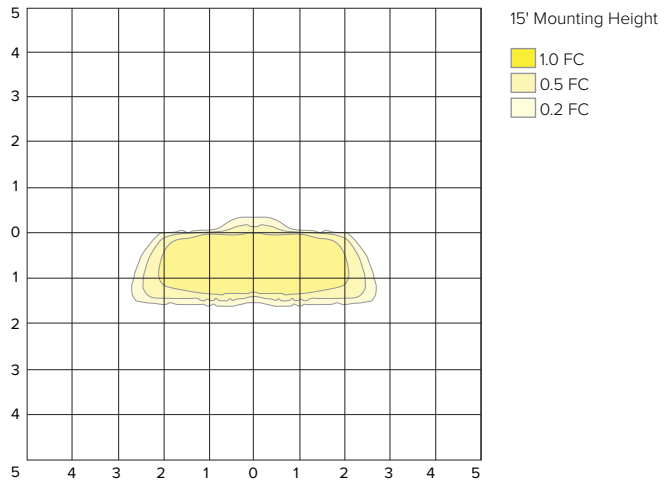
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3503
Watts	52.77
Efficacy	66.4
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	3435	98.0%
Downward House Side	69	2.0%
Downward Total	3503	99.9%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3503	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-2

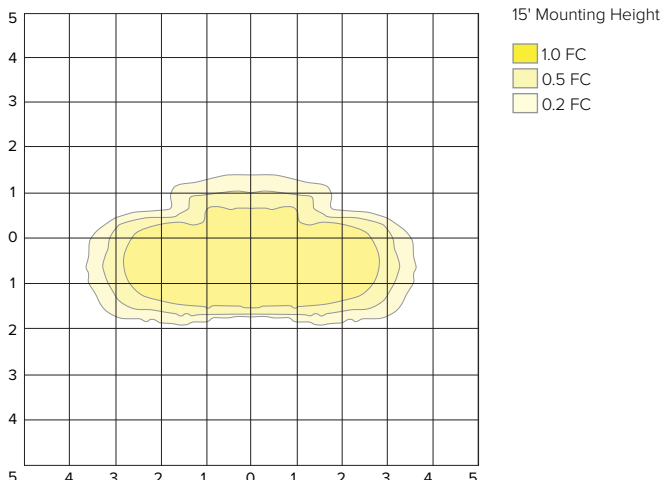
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5767
Watts	52.77
Efficacy	109.3
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	4760	82.5%
Downward House Side	1007	17.5%
Downward Total	5767	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5767	100%

ISOFOOT CANDLE PLOT



SETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-2-BC

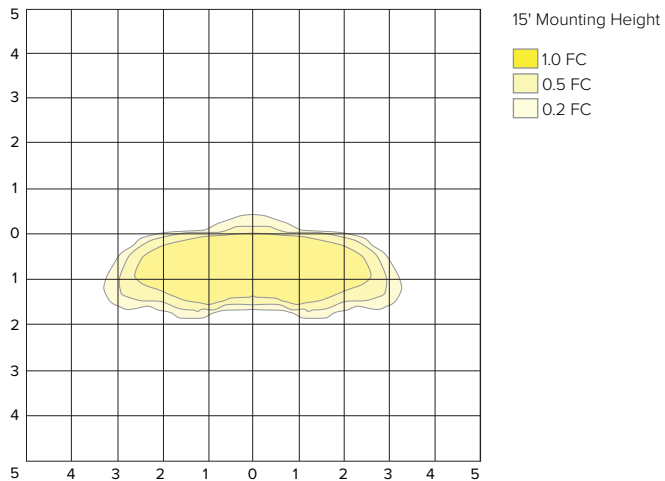
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3266
Watts	52.77
Efficacy	61.9
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	3193	97.7%
Downward House Side	74	2.2%
Downward Total	3266	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3266	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-3

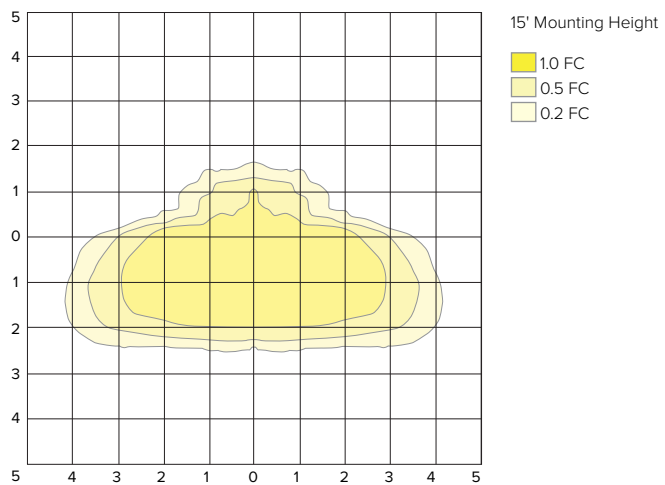
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5544
Watts	52.77
Efficacy	105.1
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	4772	86.1%
Downward House Side	772	13.9%
Downward Total	5544	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5544	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-3-BC

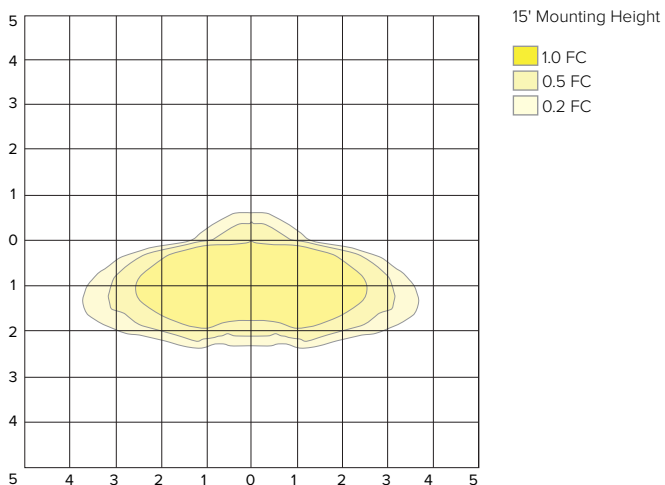
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3084
Watts	52.77
Efficacy	58.4
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	2990	96.9%
Downward House Side	94	3.0%
Downward Total	3084	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3084	100%

ISOFOOT CANDLE PLOT



SETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-4

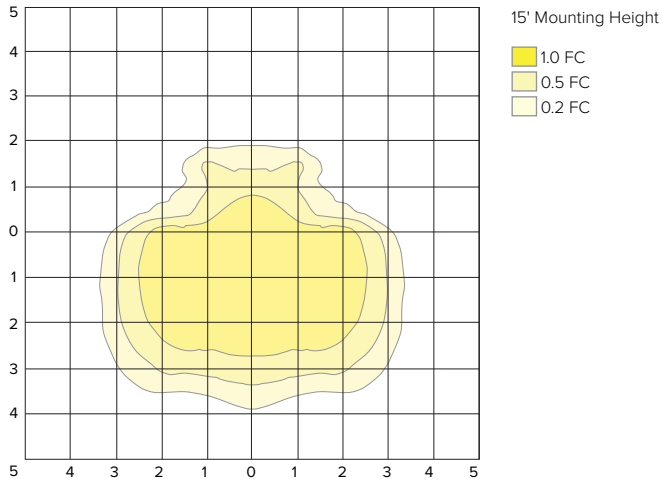
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5835
Watts	52.77
Efficacy	110.6
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	5058	86.7%
Downward House Side	777	13.3%
Downward Total	5835	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5835	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-4-BC

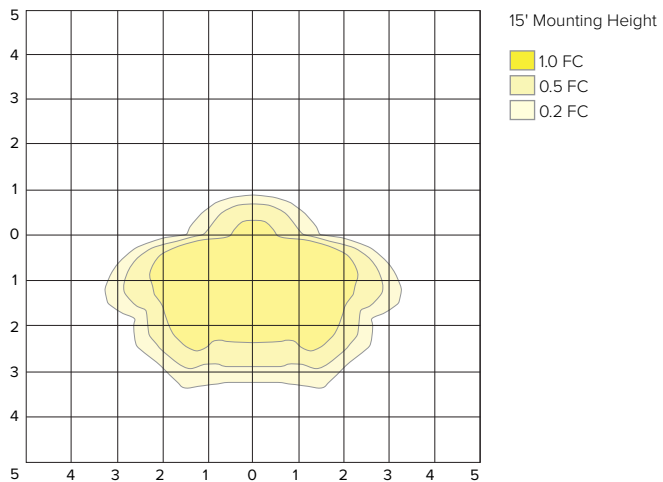
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3900
Watts	52.77
Efficacy	73.9
IES Type	4-BC
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3678	94.3%
Downward House Side	222	5.7%
Downward Total	3900	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3900	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-4W

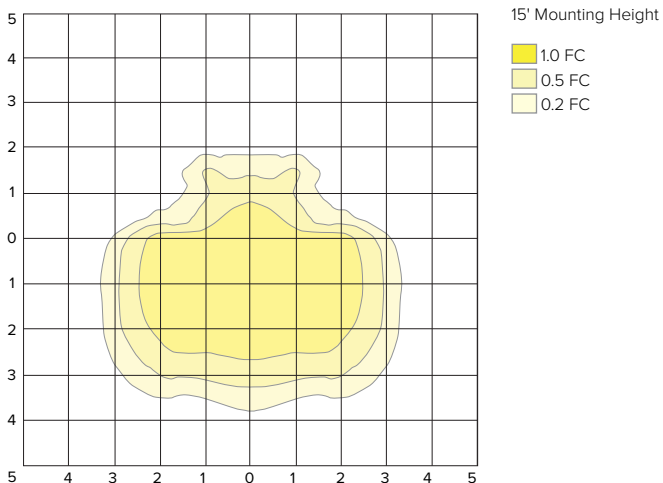
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5408
Watts	52.77
Efficacy	102.5
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	4687	86.7%
Downward House Side	721	13.3%
Downward Total	5408	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5408	100%

ISOFOOT CANDLE PLOT



SETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-4W-BC

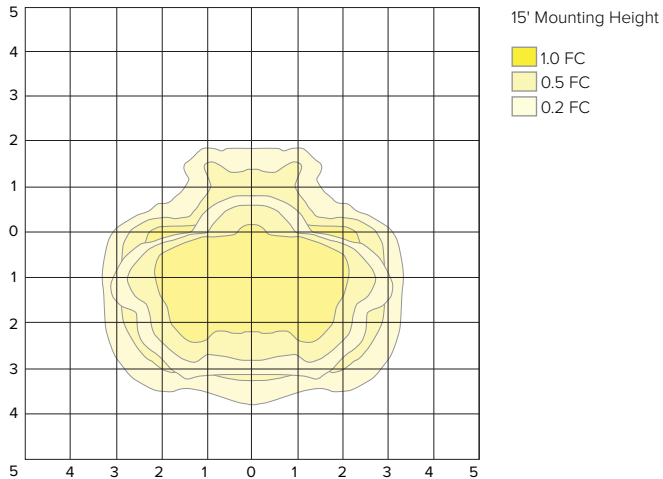
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	3168
Watts	52.77
Efficacy	60.0
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	2988	94.3%
Downward House Side	180	5.7%
Downward Total	3168	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3168	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-5QM

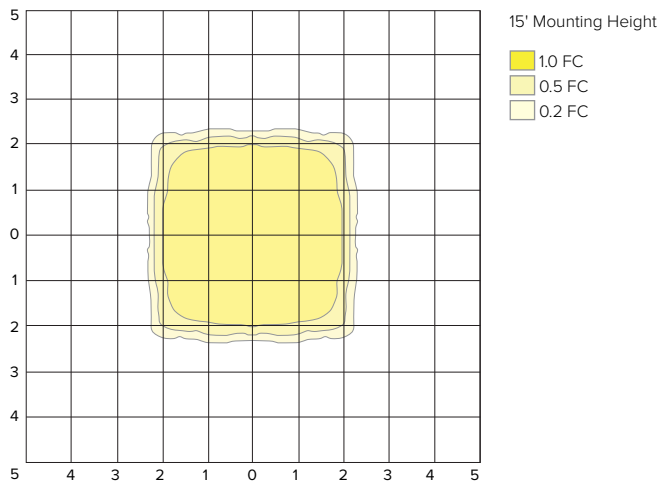
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	6210
Watts	52.77
Efficacy	117.7
IES Type	5
BUG Rating	B2-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3105	50.0%
Downward House Side	3105	50.0%
Downward Total	6210	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	6210	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-5W

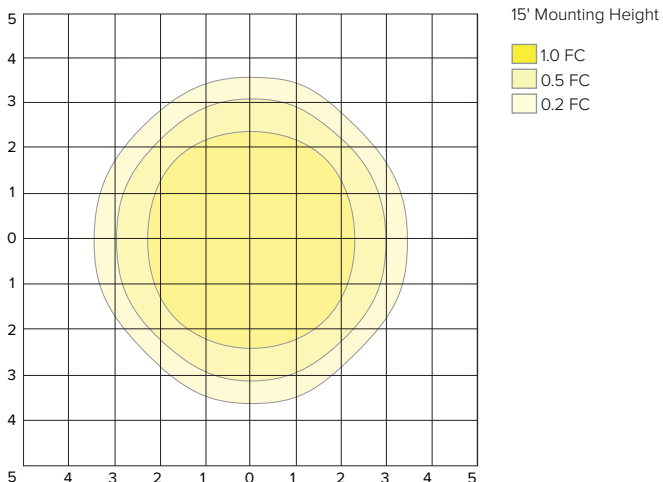
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5782
Watts	52.77
Efficacy	109.6
IES Type	5
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2891	50.0%
Downward House Side	2891	50.0%
Downward Total	5782	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5782	100%

ISOFOOT CANDLE PLOT



SETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-R

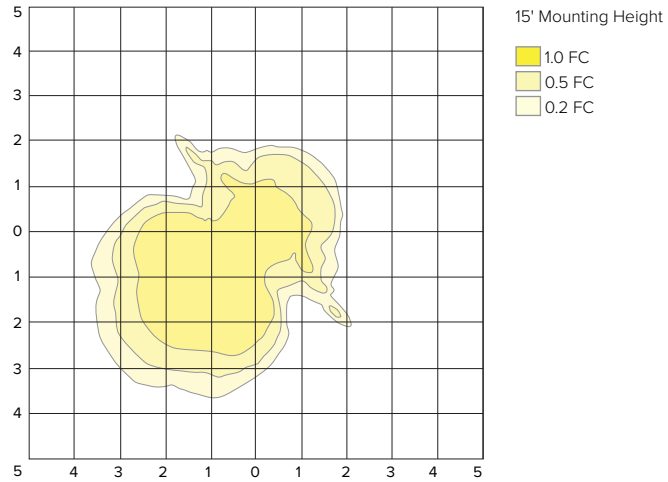
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5859
Watts	52.77
Efficacy	111.0
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	4832	82.5%
Downward House Side	1027	17.5%
Downward Total	5859	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5859	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-L

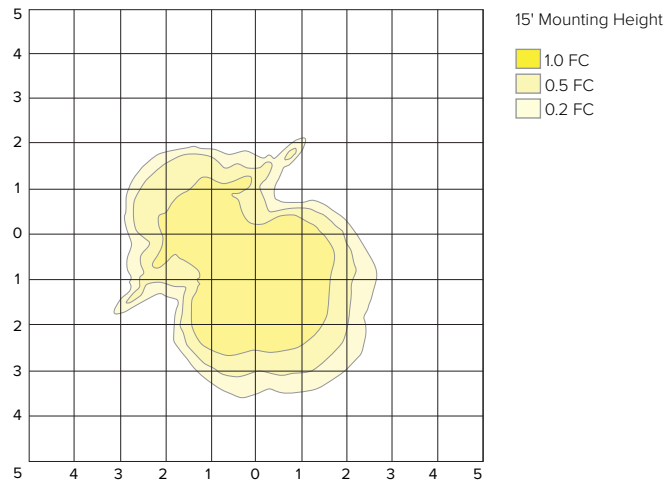
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	5859
Watts	52.77
Efficacy	111.0
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	4969	84.8%
Downward House Side	890	15.2%
Downward Total	5859	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	5859	100%

ISOFOOT CANDLE PLOT

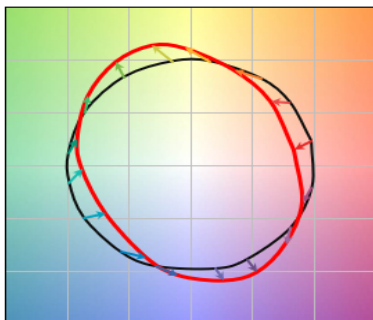


SETK2

LED UPGRADE KIT

TM-30 DATA

COLOR VECTOR GRAPHIC

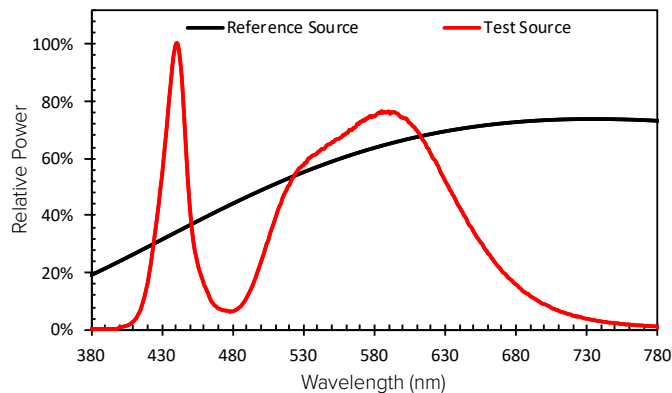


— Reference Illuminant — Test Source

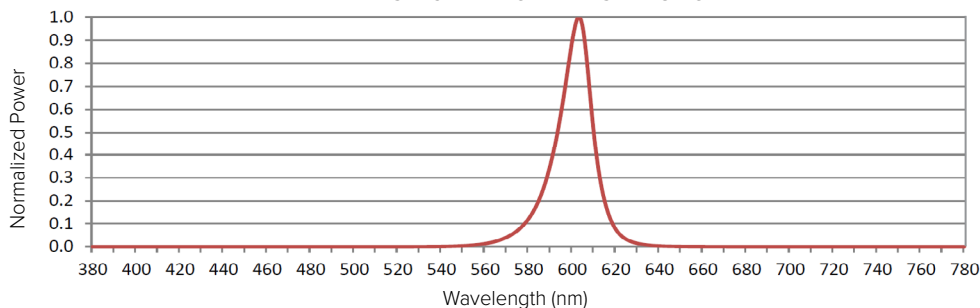
TEST SOURCE

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	52.77	600 mA	120-480	50/60	0.44	0.25	0.22	0.19	0.15	0.11	>0.9	20	10% to 100%	0mA	1mA	0V	10V
54 LEDs	67.31	400 mA			0.56	0.32	0.28	0.24	0.19	0.14							
	84.80	500 mA			0.71	0.41	0.35	0.31	0.24	0.18							

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

Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	98.03%	96.92%	95.52%	90.69%	>60khrs

CRI Lumen Multiplier for 80 and 90 CRI

CCT	80 CRI	90 CRI
2700K	0.859	0.655
3000K	0.919	.7033
3500K	0.906	0.732
4000K	0.8941	.734
5000K	0.879	.7712
Scaling factor of 5000K 70CRI lumen packages		