

ETK2
 LED UPGRADE KIT

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



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
- See [HLI Standard Warranty](#) for additional information

ETK2

LED UPGRADE KIT

ORDERING GUIDE

ETK2												
Kit	LED Engine	CCT/CRI ³		Distribution		Voltage		Fixture Finish				
ETK2 Entablature 2.0 Large Kit	54L-560	54 LEDs - 11,000 Lumens		AM⁴	Monochromatic Amber		1	Type I	UNV	120-277V	BLS	Black Gloss Smooth
	54L-750	54 LEDs - 14,000 Lumens		27K8²	2700K, 80CRI		2	Type II	347	347V	BLT	Black Matte Textured
	81L-700	81 LEDs - 19,000 Lumens		27K9²	2700K, 90CRI		3	Type III	480	480V	DBS	Dark Bronze Gloss Smooth
				3K7	3000K, 70CRI		4	Type IV Forward			DBT	Dark Bronze Matte Textured
				3K8²	3000K, 80CRI		4W	Type IV Wide			GTT	Graphite Matte Textured
				3K9²	3000K, 90CRI		5W	Type V Wide			LGS	Light Grey Gloss Smooth
				35K8²	3500K, 80CRI		5QM	Type V Square Medium			LGT	Light Grey Matte Textured
				35K9²	3500K, 90CRI		R	Corner Right			PSS	Platinum Silver Smooth
				4K7	4000K, 70CRI		L	Corner Left			VGT	Verde Green Matte Textured
				4K8²	4000K, 80CRI						WHS	White Gloss Smooth
				4K9²	4000K, 90CRI						WHT	White Matte Textured
				5K7	5000K, 70CRI						Color Option	
				5K8²	5000K, 80CRI						CC	Custom Color
				5K9²	5000K, 90CRI							

House Side Shield	Fuse Options
BC¹ Backlight Control	SF 120, 277, 347 Line Volts DF 208, 240, 480 Line Volts

Notes:

- 1 Back Light Control not available for Type 5Q and Type 5W
- 2 See Lumen Multiplier chart on [Page 11](#) for lumen scaling factor. Consult factory for additional details.
- 3 5-step MacAdam Ellipse Binning is standard. Consult factory for 3-step MacAdam Ellipse Binning
- 4 Turtle Friendly.

ETK2

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	
54	11,000	560	1	10664	1	0	1	120.2	10802	1	0	1	121.7	11380	1	0	1	128.3
			1-BC	6020	0	0	0	67.8	6098	0	0	0	68.7	6424	0	0	1	72.4
			2	9651	2	0	2	108.8	9776	2	0	2	110.2	10299	2	0	2	116.1
			2-BC	5304	0	0	1	59.8	5373	0	0	1	60.6	5660	0	0	1	63.8
			3	9901	1	0	2	111.6	10029	1	0	2	113.0	10566	1	0	2	119.1
			3-BC	5426	0	0	2	61.2	5496	0	0	2	61.9	5791	0	0	2	65.3
			4	10301	1	0	2	116.1	10435	1	0	2	117.6	10994	1	0	2	123.9
			4-BC	7046	0	0	2	79.4	7138	0	0	2	80.4	7520	0	0	2	84.8
			4W	9545	1	0	2	107.6	9669	1	0	2	109.0	10186	1	0	2	114.8
			4W-BC	5724	0	0	2	64.5	5798	0	0	2	65.3	6108	0	0	2	68.8
			5W	9561	3	0	2	107.7	9685	3	0	2	109.1	10203	3	0	2	115.0
			5QM	10254	3	0	1	115.6	10387	3	0	1	117.1	10943	3	0	1	123.3
	R	10021	2	0	2	112.9	10151	2	0	2	114.4	10695	2	0	2	120.5		
	L	10021	1	0	2	112.9	10151	1	0	2	114.4	10695	1	0	2	120.5		
	14,000	750	1	14256	1	0	1	112.9	14441	1	0	1	114.4	15213	1	0	1	120.5
			1-BC	8048	0	0	1	63.7	8152	0	0	1	64.6	8588	0	0	1	68.0
			2	12901	2	0	2	102.2	13069	2	0	2	103.5	13768	2	0	2	109.0
			2-BC	7090	0	0	1	56.2	7183	0	0	1	56.9	7567	0	0	2	59.9
			3	13236	2	0	2	104.8	13407	2	0	2	106.2	14125	2	0	2	111.9
			3-BC	7254	0	0	2	57.4	7348	0	0	2	58.2	7741	0	0	2	61.3
			4	13771	1	0	3	109.1	13950	1	0	3	110.5	14696	1	0	3	116.4
			4-BC	9420	0	0	2	74.6	9542	0	0	2	75.6	10052	0	0	2	79.6
			4W	12760	2	0	3	101.1	12926	4	0	2	102.4	13618	2	0	3	107.8
			4W-BC	7652	0	0	2	60.6	7751	0	0	2	61.4	8166	0	0	2	64.7
5W			12781	4	0	2	101.2	12947	2	0	3	102.5	13640	4	0	2	108.0	
5QM			13708	3	0	1	108.6	13886	3	0	1	110.0	14629	4	0	1	115.9	
R	13397	2	0	2	106.1	13571	2	0	2	107.5	14297	2	0	3	113.2			
L	13397	2	0	2	106.1	13571	2	0	2	107.5	14297	2	0	3	113.2			
81	19,500	700	1	19820	2	0	1	111.2	20077	2	0	1	112.6	21151	2	0	1	118.7
			1-BC	11188	0	0	1	62.8	11334	0	0	1	63.6	11940	0	0	1	67.0
			2	17937	2	0	2	100.6	18169	2	0	2	101.9	19142	3	0	3	107.4
			2-BC	9858	0	0	2	55.3	9986	0	0	2	56.0	10520	0	0	2	59.0
			3	18402	2	0	3	103.2	18640	2	0	3	104.6	19638	2	0	3	110.2
			3-BC	10085	0	0	2	56.6	10216	0	0	2	57.3	10762	0	0	2	60.4
			4	19146	2	0	4	107.4	19395	2	0	4	108.8	20433	2	0	4	114.6
			4-BC	13096	0	0	3	73.5	13266	0	0	3	74.4	13976	0	0	3	78.4
			4W	17741	2	0	4	99.5	17971	2	0	4	100.8	18933	2	0	4	106.2
			4W-BC	10638	1	0	2	59.7	10776	1	0	3	60.5	11353	1	0	3	63.7
			5W	17769	4	0	2	99.7	18000	4	0	2	101.0	18963	4	0	2	106.4
			5QM	19058	4	0	2	106.9	19305	4	0	2	108.3	20338	4	0	2	114.1
R	18625	2	0	3	104.5	18867	2	0	3	105.9	19877	3	0	3	111.5			
L	18625	2	0	3	104.5	18867	2	0	3	105.9	19877	2	0	3	111.5			

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	
54	11,000	560	1	8907	1	0	1	100.4	9023	1	0	1	101.7	9506	1	0	1	107.1
			1-BC	5028	0	0	0	56.7	5094	0	0	0	57.4	5366	0	0	0	60.5
			2	8061	1	0	2	90.8	8166	1	0	2	92.0	8603	1	0	2	97.0
			2-BC	4430	0	0	1	49.9	4488	0	0	1	50.6	4728	0	0	1	53.3
			3	8270	1	0	2	93.2	8377	1	0	2	94.4	8826	1	0	2	99.5
			3-BC	4532	0	0	1	51.1	4591	0	0	1	51.7	4837	0	0	2	54.5
			4	8605	1	0	2	97.0	8716	1	0	2	98.2	9183	1	0	2	103.5
			4-BC	5885	0	0	2	66.3	5962	0	0	2	67.2	6281	0	0	2	70.8
			4W	7973	1	0	2	89.9	8076	1	0	2	91.0	8509	1	0	2	95.9
			4W-BC	4781	0	0	2	53.9	4843	0	0	2	54.6	5102	0	0	2	57.5
			5W	7986	3	0	1	90.0	8089	3	0	1	91.2	8522	3	0	2	96.0
			5QM	8565	3	0	1	96.5	8676	3	0	1	97.8	9140	3	0	1	103.0
	R	8371	3	0	1	94.3	8479	1	0	2	95.6	8933	1	0	2	100.7		
	L	8371	1	0	2	94.3	8479	1	0	2	95.6	8933	1	0	2	100.7		
	14,000	750	1	11907	1	0	1	94.3	12062	1	0	1	95.5	12708	1	0	1	100.6
			1-BC	6722	0	0	1	53.2	6809	0	0	1	53.9	7174	0	0	1	56.8
			2	10776	2	0	2	85.3	10916	2	0	2	86.4	11500	2	0	2	91.1
			2-BC	5923	0	0	1	46.9	5999	0	0	1	47.5	6321	0	0	1	50.1
			3	11056	1	0	2	87.6	11199	1	0	2	88.7	11798	1	0	2	93.4
			3-BC	6059	0	0	2	48.0	6137	0	0	2	48.6	6466	0	0	2	51.2
			4	11503	1	0	2	91.1	11652	1	0	2	92.3	12276	1	0	2	97.2
			4-BC	7868	0	0	2	62.3	7970	0	0	2	63.1	8397	0	0	2	66.5
			4W	10658	1	0	2	84.4	10797	1	0	2	85.5	11375	1	0	3	90.1
			4W-BC	6391	0	0	2	50.6	6474	0	0	2	51.3	6821	0	0	2	54.0
5W			10676	3	0	2	84.5	10814	3	0	2	85.6	11393	3	0	2	90.2	
5QM			11450	3	0	1	90.7	11598	3	0	1	91.9	12219	3	0	1	96.8	
R	11190	2	0	2	88.6	11335	2	0	2	89.8	11942	2	0	2	94.6			
L	11190	1	0	2	88.6	11335	1	0	2	89.8	11942	1	0	2	94.6			

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	
54	11,000	560	1	8772	1	0	1	98.9	8886	1	0	1	100.2	9362	1	0	1	105.5
			1-BC	4952	0	0	0	55.8	5016	0	0	0	56.5	5285	0	0	0	59.6
			2	7939	1	0	1	89.5	8042	1	0	2	90.6	8472	1	0	2	95.5
			2-BC	4363	0	0	1	49.2	4420	0	0	1	49.8	4656	0	0	1	52.5
			3	8145	1	0	2	91.8	8251	1	0	2	93.0	8692	1	0	2	98.0
			3-BC	4464	0	0	1	50.3	4522	0	0	1	51.0	4764	0	0	1	53.7
			4	8475	1	0	2	95.5	8584	1	0	2	96.7	9044	1	0	2	101.9
			4-BC	5797	0	0	2	65.3	5872	0	0	2	66.2	6186	0	0	2	69.7
			4W	7852	1	0	2	88.5	7954	1	0	2	89.6	8380	1	0	2	94.4
			4W-BC	4709	0	0	2	53.1	4770	0	0	2	53.8	5025	0	0	2	56.6
			5W	7865	3	0	1	88.6	7967	3	0	1	89.8	8393	3	0	2	94.6
			5QM	8435	3	0	1	95.1	8545	3	0	1	96.3	9002	3	0	1	101.5
			R	8244	1	0	2	92.9	8351	1	0	2	94.1	8798	1	0	2	99.2
			L	8244	1	0	2	92.9	8351	1	0	2	94.1	8798	1	0	2	99.2
	14,000	750	1	11727	1	0	1	92.9	11880	1	0	1	94.1	12515	1	0	1	99.1
			1-BC	6620	0	0	1	52.4	6706	0	0	1	53.1	7065	0	0	1	56.0
			2	10613	2	0	2	84.1	10751	2	0	2	85.1	11326	2	0	2	89.7
			2-BC	5833	0	0	1	46.2	5909	0	0	1	46.8	6225	0	0	1	49.3
			3	10888	1	0	2	86.2	11030	1	0	2	87.3	11620	1	0	2	92.0
			3-BC	5967	0	0	2	47.3	6045	0	0	2	47.9	6368	0	0	2	50.4
			4	11329	1	0	2	89.7	11476	1	0	2	90.9	12090	1	0	2	95.7
			4-BC	7749	0	0	2	61.4	7849	0	0	2	62.2	8270	0	0	2	65.5
			4W	10497	1	0	2	83.1	10633	1	0	2	84.2	11203	1	0	3	88.7
			4W-BC	6295	0	0	2	49.8	6376	0	0	2	50.5	6718	0	0	2	53.2
			5W	10514	3	0	2	83.3	10651	3	0	2	84.3	11221	3	0	2	88.9
			5QM	11277	3	0	1	89.3	11423	3	0	1	90.5	12034	3	0	1	95.3
R	11021	2	0	2	87.3	11164	2	0	2	88.4	11761	2	0	2	93.1			
L	11021	1	0	2	87.3	11164	1	0	2	88.4	11761	1	0	2	93.1			

ETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-1

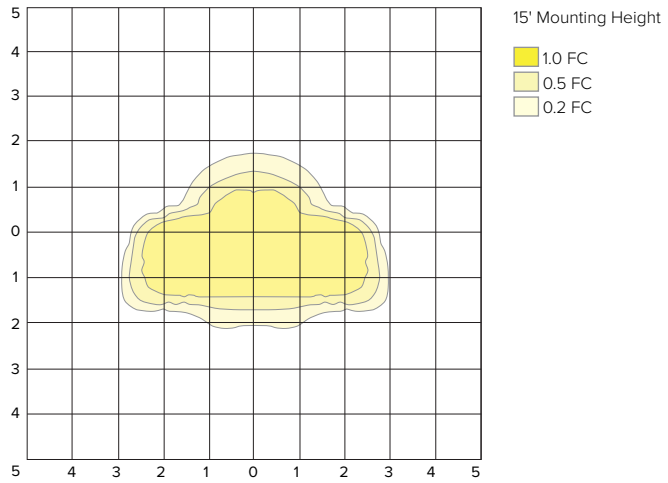
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	14440
Watts	126.27
Efficacy	114.4
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	12851	89.0%
Downward House Side	1589	11.0%
Downward Total	14440	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	14440	100%

ISOFOOT CANDLE PLOT



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

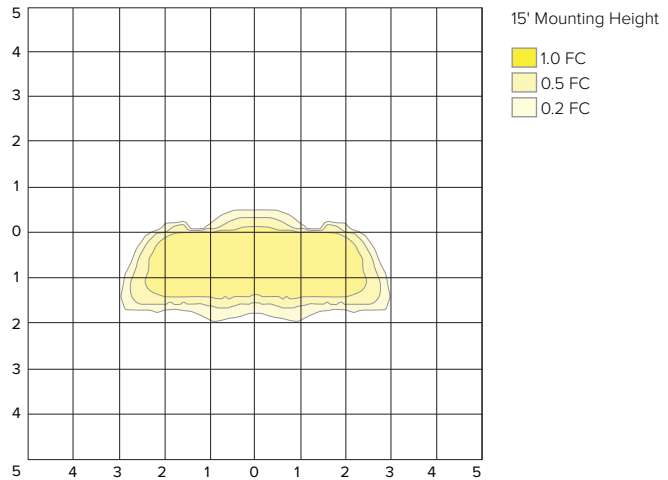
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	8151
Watts	126.27
Efficacy	64.6
IES Type	1
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8033	98.5%
Downward House Side	118	1.5%
Downward Total	8151	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	8151	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-2

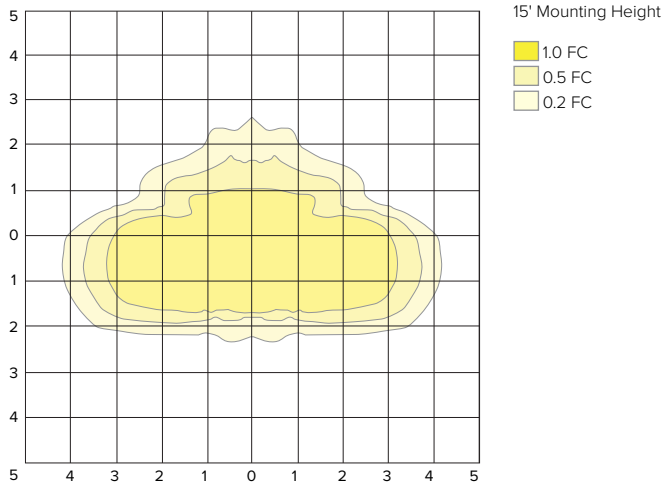
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13069
Watts	126.27
Efficacy	103.5
IES Type	2
BUG Rating	B2-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	10825	82.8%
Downward House Side	2245	17.2%
Downward Total	13069	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13069	100%

ISOFOOT CANDLE PLOT



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LED UPGRADE KIT

PHOTOMETRY

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

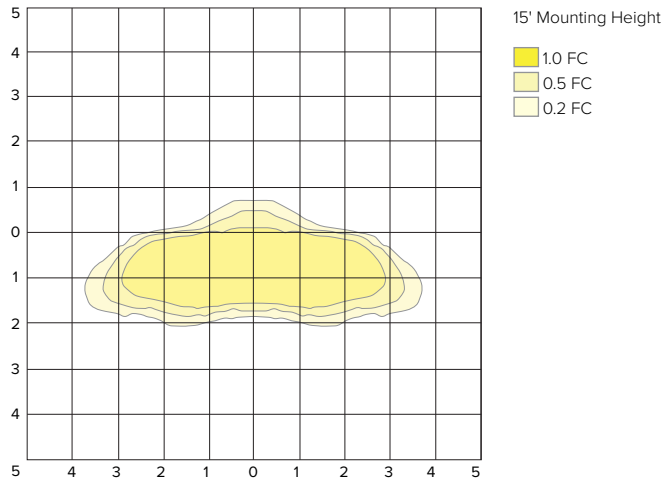
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	7182
Watts	126.27
Efficacy	56.9
IES Type	2
BUG Rating	B0-U0-G1
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7019	97.7%
Downward House Side	163	2.3%
Downward Total	7182	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	7182	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-3

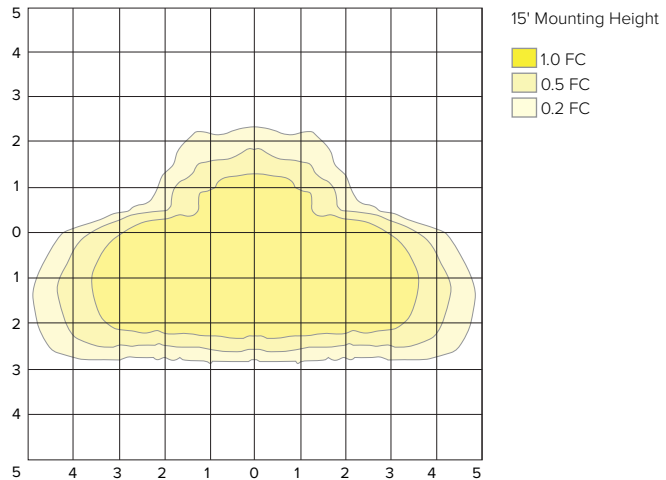
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13406
Watts	126.27
Efficacy	106.2
IES Type	3
BUG Rating	B2-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	11502	85.8%
Downward House Side	1904	14.2%
Downward Total	13406	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13406	100%

ISOFOOT CANDLE PLOT



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

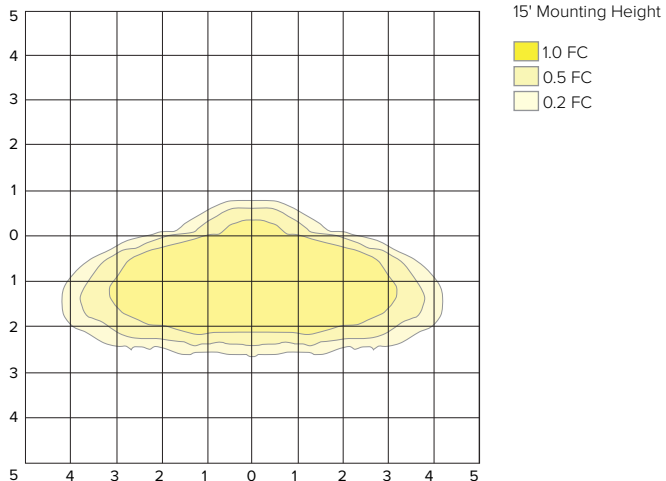
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	7347
Watts	126.27
Efficacy	58.2
IES Type	3
BUG Rating	B0-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7108	96.7%
Downward House Side	239	3.3%
Downward Total	7347	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	7347	100%

ISOFOOT CANDLE PLOT



ETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-4

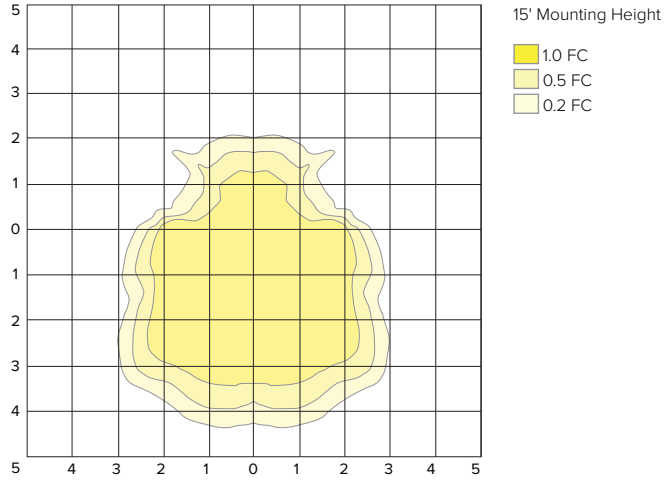
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13950
Watts	126.27
Efficacy	110.5
IES Type	4
BUG Rating	B1-U0-G3
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12630	87.6%
Downward House Side	1321	12.4%
Downward Total	13951	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13951	100%

ISOFOOT CANDLE PLOT



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

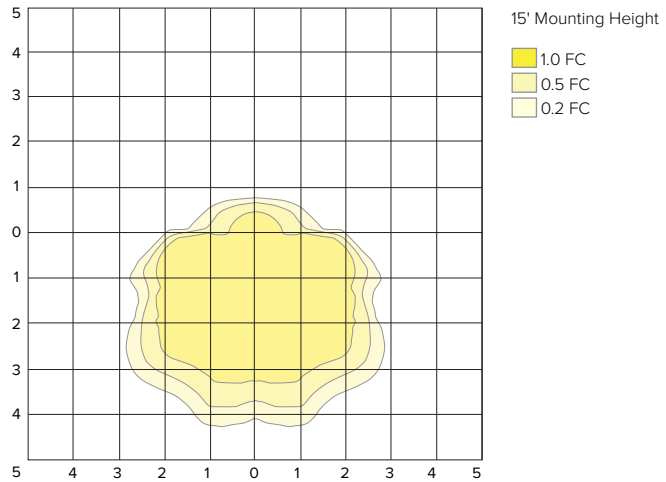
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	9542
Watts	126.27
Efficacy	75.6
IES Type	4
BUG Rating	B0-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	9312	87.6%
Downward House Side	231	12.4%
Downward Total	9543	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	9543	100%

ISOFOOT CANDLE PLOT



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

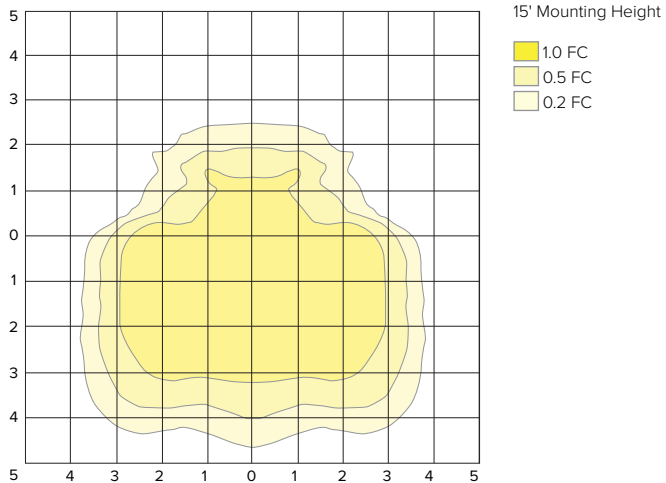
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	12926
Watts	126.27
Efficacy	102.4
IES Type	4W
BUG Rating	B2-U0-G3
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	11324	87.6%
Downward House Side	1602	12.4%
Downward Total	12926	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	12926	100%

ISOFOOT CANDLE PLOT



ETK2

LED UPGRADE KIT

PHOTOMETRY

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

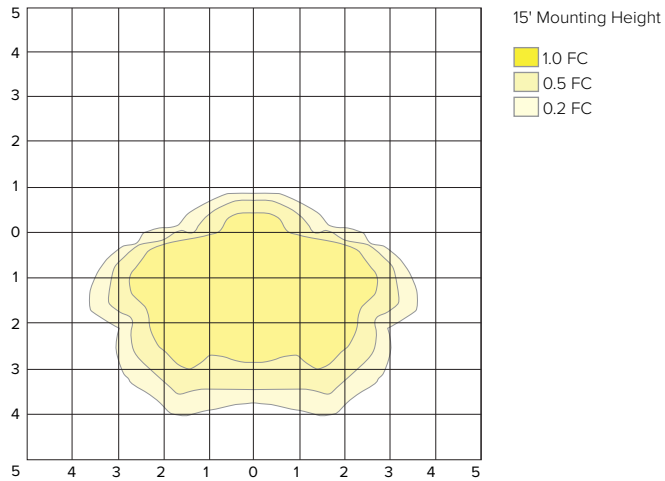
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	7750
Watts	126.27
Efficacy	61.4
IES Type	4W
BUG Rating	B0-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	7449	96.0%
Downward House Side	301	4.0%
Downward Total	7750	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	7750	100%

ISOFOOT CANDLE PLOT



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

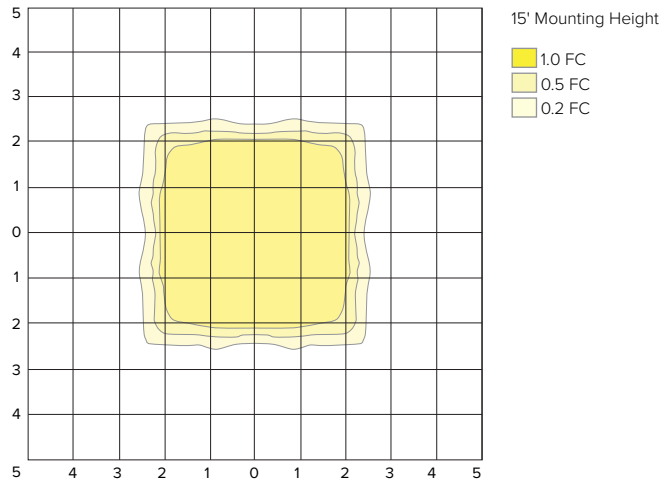
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13885
Watts	126.27
Efficacy	110.0
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	6943	50.0%
Downward House Side	6942	50.0%
Downward Total	13885	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13885	100%

ISOFOOT CANDLE PLOT



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

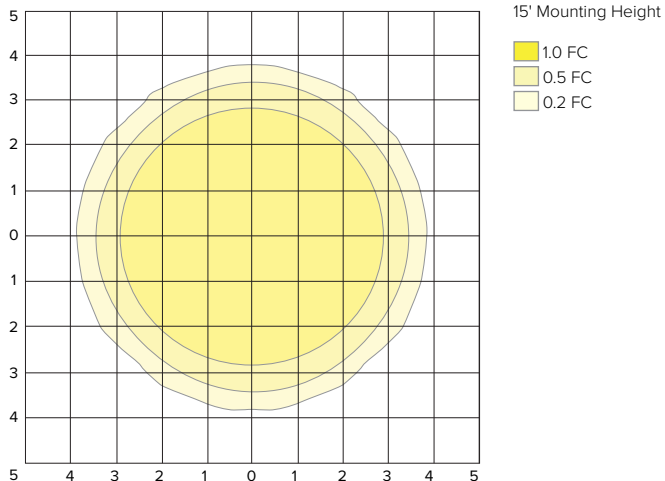
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	12946
Watts	126.27
Efficacy	102.5
IES Type	5
BUG Rating	B4-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6473	50.0%
Downward House Side	6473	50.0%
Downward Total	12946	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	12946	100%

ISOFOOT CANDLE PLOT



ETK2

LED UPGRADE KIT

PHOTOMETRY

ET2-54L-750-4K7-R

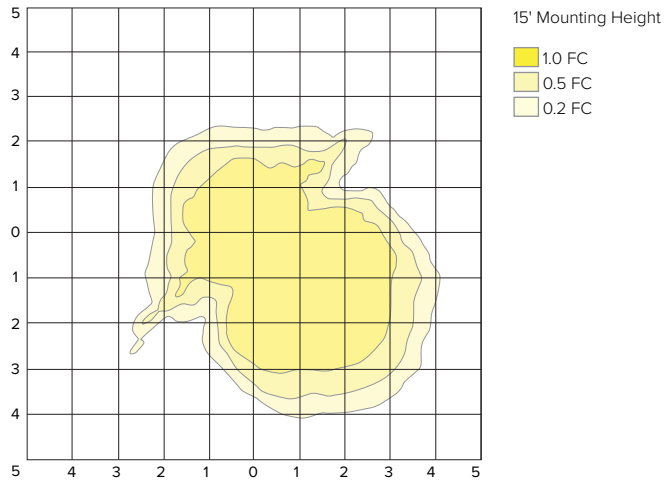
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13570
Watts	126.27
Efficacy	107.5
IES Type	R
BUG Rating	B2-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	11231	82.8%
Downward House Side	2339	17.2%
Downward Total	13570	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13570	100%

ISOFOOT CANDLE PLOT



ET2-54L-750-4K7-L

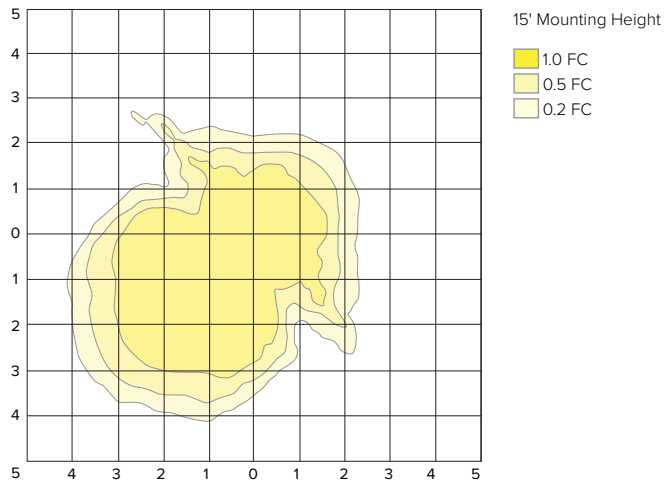
LUMINAIRE DATA

Description	4000K, 70CRI
Delivered Lumens	13571
Watts	126.27
Efficacy	107.5
IES Type	L
BUG Rating	B2-U0-G2
Mounting Height	15 ft
Grid Scale	10 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	11523	84.9%
Downward House Side	2048	15.1%
Downward Total	13571	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	13571	100%

ISOFOOT CANDLE PLOT

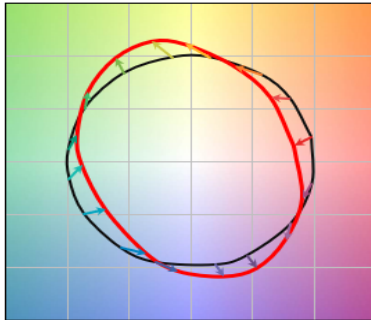


ETK2

LED UPGRADE KIT

TM-30 DATA

COLOR VECTOR GRAPHIC

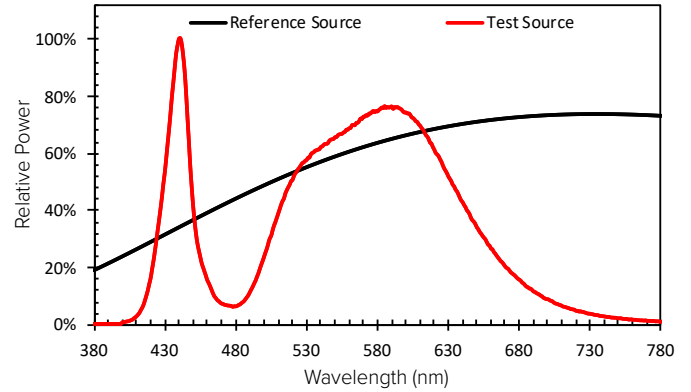


— Reference Illuminant — Test Source

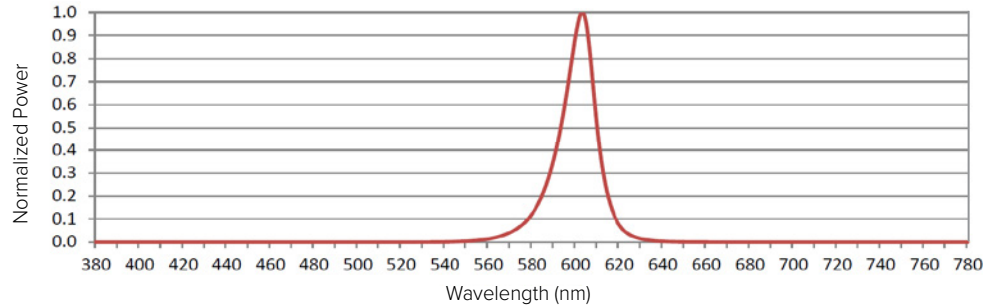
TEST SOURCE

R _f	68
R _g	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
54 LEDs	88.7	560 mA	120-480	50/60	0.74	0.43	0.37	0.32	0.26	0.18	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	126.3	750 mA			1.05	0.61	0.53	0.46	0.36	0.26							
81 LEDs	178.2	700 mA			1.49	0.86	0.74	0.64	0.51	0.37							

Ambient Temp.	0	25,000	36,000	50,000	100,000	Reported L70
25°C / 77°F	100%	94.22%	92.26%	89.84%	81.68%	>60khrs

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