

# PRMS2-LK

LED UPGRADE KIT

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
 TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_  
 CATALOG #: \_\_\_\_\_

## FEATURES

- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- 15 standard powder coat finishes
- Upgrade Kits



## SPECIFICATIONS

### CONSTRUCTION

- All internal and external hardware are stainless steel
- Luminaire finish consists of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Optical bezel finish matches the luminaire housing

### LED/OPTICS

- 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
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

### 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.

## PROMENADE



Promenade PRMS2-LK LED Deck

### RELATED PRODUCTS

[PRMN2](#)

[PRMD2](#)

[PRM22](#)

[PRM32](#)

### ELECTRICAL

- Luminaires shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers shall be U.L recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV

### CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations

### WARRANTY

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

## HOUSING

PRMS2-LK		LED Quantity		Lumen output		CCT/CRI		Distribution		Finish	
Housing		72L	72 LED	240	240mA, Microcore Crossover	5K7	5000K, 70 CRI	1	Type I	AGN	Antique Green
PRMS2-LK	Promenade Upgrade Kit			335	335mA, 8,500 lumens	4K7	4000K, 70 CRI	2	Type II	BL	Black
				360	360mA, Microcore Crossover	3K7	3000K, 70 CRI	3	Type III	BLT	Matte Black
				500	500mA, 12,000 lumens	AMB	Amber-595nm Peak <sup>1</sup>	4W	Type IV Wide	CRT	Corton
				700	700mA, 16,000 Lumens			5Q	Type V Square	DB	Dark Bronze
								5W	Type V Wide	DGN	Dark Green
										GT	Graphite
										LG	Light Gray
										MAL	Matte Aluminum
										MDB	Metallic Bronze
										MG	Medium Gray
										TT	Titanium
										VBU	Verde Blue
										WDB	Weathered Blue
										WH	White
										CC	Custom Color <sup>4</sup>

Optional Lens	Options	Options Photocontrol Egress	Voltage
DL	Diffused Lens <sup>2</sup>	PCA-C	UNV 120-277V
	HS House Side Shield <sup>3</sup>	PCA-T	
	CHM Chimney	EPA-C	
	CHC Copper Hood Cover	EPA-T	
	BHC Brass Hood Cover		
	SF Single Fuse (120,277)		
	DF Double Fuse (208,240) <sup>2</sup>		

Notes:  
 1 Wild life friendly  
 2 Diffused Lens is available only with T3 and T5W distribution  
 3 House side Shield is available only with T1, T2, T3 and T4W distributions  
 4 Consult factory

**DELIVERED LUMENS**

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

**LUMINAIRE PERFORMANCE – CLEAR LENS**

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI										
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)				
						1	2	3			1	2	3			1	2	3					
72	240	Microcore Crossover	Clear Lens	1	6778	1	3	1	126.5	7001	1	3	1	130.6	7263	1	3	1	135.5				
				2	6372	2	3	2	118.9	6582	2	3	2	122.8	6828	2	3	2	127.4				
				3	6414	2	3	2	119.7	6625	2	3	2	123.6	6873	2	3	2	128.2				
				4W	6204	1	3	2	115.8	6409	2	3	2	119.6	6649	2	3	2	124.0				
				1-HS	4073	0	3	1	76.0	4208	0	3	1	78.5	4365	0	3	1	81.4				
				2-HS	3414	1	3	1	63.7	3526	1	3	1	65.8	3658	1	3	1	68.3				
				3-HS	3256	1	3	1	60.7	3363	1	3	1	62.7	3489	1	3	1	65.1				
				4W-HS	3140	1	3	1	58.6	3243	1	3	1	60.5	3365	1	3	1	62.8				
				5Q	6623	2	3	1	123.6	6841	2	3	1	127.6	7097	3	3	1	132.4				
	5W	6047		3	3	1	112.8	6246	3	3	1	116.5	6480	3	3	1	120.9						
	335	8,500			1	9091	1	3	1	119.62	9391	1	3	1	123.56	9742	1	3	1	128.27			
					2	8547	2	3	2	112.46	8829	2	3	2	116.17	9159	2	3	2	120.48			
					3	8603	2	3	2	113.20	8887	2	3	2	116.93	9219	2	3	2	120.97			
					4W	8322	2	3	2	109.50	8596	2	3	2	113.11	8918	2	3	2	118.40			
					1-HS	5464	1	3	1	71.89	5644	1	3	1	74.26	5855	1	3	1	77.15			
					2-HS	4579	1	3	1	60.25	4730	1	3	1	62.24	4907	1	3	1	64.90			
					3-HS	4367	1	3	1	57.47	4511	1	3	1	59.36	4680	1	3	1	61.78			
					4W-HS	4212	1	3	1	55.41	4350	1	3	1	57.24	4513	1	3	1	59.62			
					5Q	8883	3	3	1	116.88	9176	3	3	1	120.73	9519	3	3	1	126.43			
	5W	8111		3	3	2	106.73	8379	3	3	2	110.24	8692	3	3	2	114.97						
	360	Microcore Crossover			1	9552	1	3	1	117.3	9866	1	3	1	121.2	10235	1	3	1	125.7			
					2	8980	2	3	2	110.3	9276	2	3	2	113.9	9623	2	3	2	118.2			
					3	9039	2	3	2	111.0	9337	2	3	2	114.7	9686	2	3	2	118.9			
					4W	8744	2	3	2	107.4	9032	2	3	2	110.9	9370	2	3	2	115.1			
					1-HS	5741	1	3	1	70.5	5930	1	3	1	72.8	6152	1	3	1	75.5			
					2-HS	4811	1	3	1	59.1	4970	1	3	1	61.0	5156	1	3	1	63.3			
					3-HS	4589	1	3	1	56.4	4740	1	3	1	58.2	4917	1	3	1	60.4			
					4W-HS	4425	1	3	1	54.3	4571	1	3	1	56.1	4742	1	3	1	58.2			
					5Q	9333	3	3	1	114.6	9641	3	3	1	118.4	10001	3	3	1	122.8			
					5W	8522	3	3	2	104.7	8803	3	3	2	108.1	9132	3	3	2	112.1			
					500	12,000		1	12701	1	4	2	109.78	13120	2	4	2	113.40	13611	2	4	2	117.64
								2	11941	2	3	2	103.21	12335	3	3	3	106.61	12796	3	3	3	110.60
								3	12020	2	3	2	103.89	12416	3	3	3	107.31	12880	3	3	3	111.32
								4W	11627	2	3	3	100.49	12010	2	3	3	103.80	12459	2	3	3	107.69
								1-HS	7634	1	3	1	65.98	7885	1	3	1	68.15	8180	1	3	1	70.70
								2-HS	6398	1	3	1	55.30	6608	1	3	1	57.12	6856	1	3	1	59.25
								3-HS	6102	1	3	1	52.74	6303	1	3	1	54.47	6538	1	3	1	56.51
	4W-HS	5884		1				3	1	50.86	6078	1	3	2	52.53	6305	1	3	2	54.50			
	5Q	12411		3				3	2	107.27	12820	3	3	2	110.80	13299	3	3	2	114.94			
	5W	11333		4				3	2	97.95	11706	4	3	2	101.17	12144	4	3	2	104.96			
	700	16,000						1	16464	2	4	2	103.14	17006	2	4	2	106.53	17642	2	4	2	110.52
								2	15478	3	4	3	96.96	15988	3	4	3	100.16	16586	3	4	3	103.90
								3	15580	3	3	3	97.60	16093	3	3	3	100.81	16695	3	3	3	104.59
								4W	15071	3	3	3	94.41	15567	3	3	3	97.52	16150	3	3	3	101.17
								1-HS	9895	1	3	1	61.99	10221	1	4	1	64.03	10603	1	4	1	66.42
2-HS			8293					1	3	1	51.95	8566	1	3	1	53.66	8886	1	3	1	55.67		
3-HS			7909					1	3	2	49.55	8170	1	3	2	51.18	8475	1	3	2	53.09		
4W-HS			7627		1	3	2	47.78	7878	1	3	2	49.35	8173	1	3	2	51.20					
5Q			16087		3	3	2	100.78	16617	4	3	2	104.09	17238	4	3	2	107.99					
5W			14689		4	3	2	92.02	15173	4	3	2	95.05	15741	4	3	2	98.61					

# PRMS2-LK

LED UPGRADE KIT

## LUMINAIRE PERFORMANCE – DIFFUSED LENS

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
72	240	Microcore Crossover	Diffused Lens	3	5496	1	3	3	102.5	5677	1	3	3	105.9	5889	1	4	3	109.9
				5W	5182	2	3	3	96.7	5353	2	3	3	99.9	5553	2	3	3	103.6
	335	8,500		3	7342	2	4	3	96.6	7584	2	4	3	99.7	7868	2	4	4	103.4
				5W	6978	3	4	3	91.8	7208	3	4	3	94.8	7478	3	4	3	98.4
	360	Microcore Crossover		3	7745	2	4	3	95.2	8001	2	4	4	98.3	8300	2	4	4	102.0
				5W	7303	3	4	3	89.7	7543	3	4	3	92.7	7825	3	4	3	96.1
	500	12,000		3	10300	2	4	4	89.0	10639	2	4	4	92.0	11037	2	4	4	95.4
				5W	9711	3	4	3	83.9	10031	3	4	3	86.7	10406	3	4	3	89.9
	700	16,000		3	13350	3	5	5	83.6	13790	3	5	5	86.4	14306	3	5	5	89.6
				5W	12587	3	5	4	78.9	13002	3	5	4	81.5	13488	3	5	4	84.5

## PHOTOMETRY

### PRMS2-72L-700-4K7-1

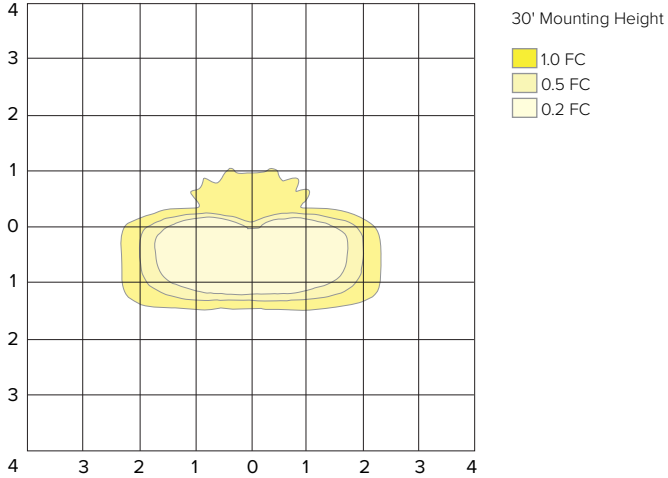
#### LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	17006
Watts	159.63
Efficacy	106.5
IES Type	I
BUG Rating	B2-U4-G2
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	13536	80%
Downward House Side	2398	14%
Downward Total	15934	94%
Upward Street Side	566	3%
Upward House Side	506	3%
Upward Total	1072	6%
Total Flux	17006	100%

#### ISOFOOT CANDLE PLOT



### PRMS2-72L-700-4K7-3

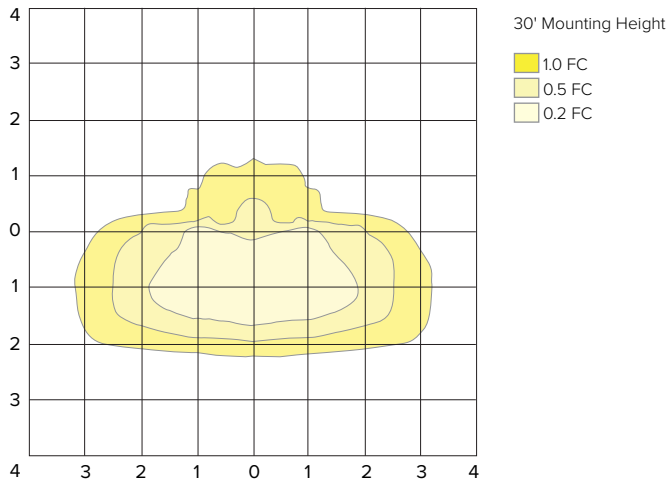
#### LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	16093
Watts	159.63
Efficacy	100.8
IES Type	III
BUG Rating	B3-U3-G3
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12017	75%
Downward House Side	3217	20%
Downward Total	15234	95%
Upward Street Side	374	2%
Upward House Side	379	2%
Upward Total	753	5%
Total Flux	15987	100%

#### ISOFOOT CANDLE PLOT



### PRMS2-72L-700-4K7-5Q

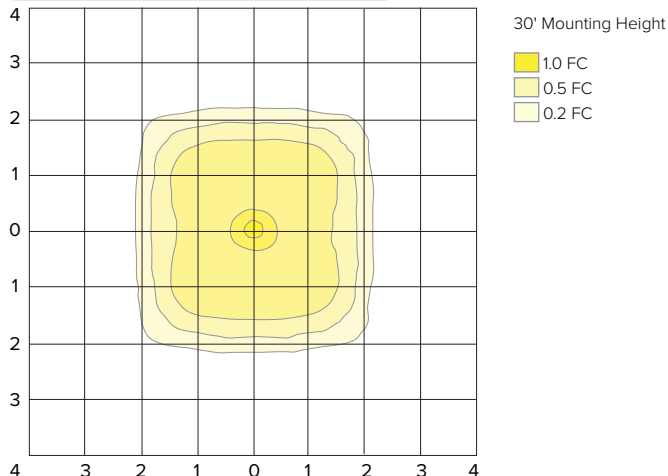
#### LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	16617
Watts	159.63
Efficacy	104.1
IES Type	VS
BUG Rating	B4-U3-G2
Mounting Height	30 ft
Grid Scale	30 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	12407	77%
Downward House Side	3032	19%
Downward Total	15439	96%
Upward Street Side	317	2%
Upward House Side	337	2%
Upward Total	654	4%
Total Flux	16093	100%

#### ISOFOOT CANDLE PLOT



**PHOTOMETRY**

**PRMS2-72L-700-4K7-2**

**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15987
Watts	159.63
Efficacy	100.2
IES Type	II
BUG Rating	B3-U4-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	12561	81%
Downward House Side	2491	16%
Downward Total	15052	97%
Upward Street Side	243	2%
Upward House Side	272	2%
Upward Total	515	3%
Total Flux	15567	100%

**PRMS2-72L-700-4K7-4**

**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15567
Watts	159.63
Efficacy	97.5
IES Type	IV
BUG Rating	B3-U3-G3
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	8019	48%
Downward House Side	8019	48%
Downward Total	16038	97%
Upward Street Side	290	2%
Upward House Side	290	2%
Upward Total	579	3%
Total Flux	16617	100%

**PRMS2-72L-700-4K7-5W**

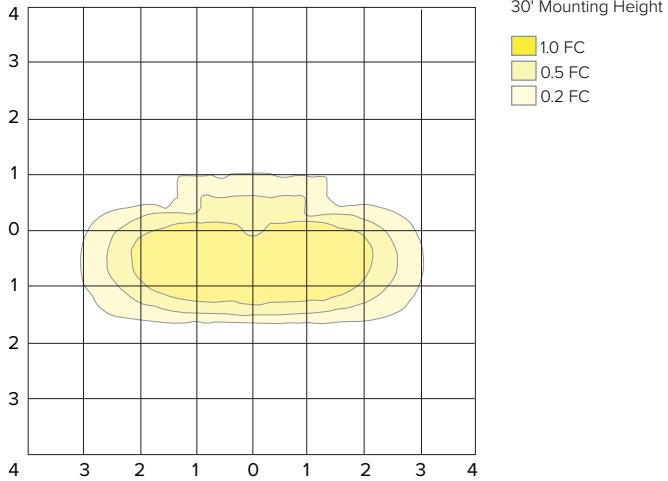
**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15173
Watts	159.63
Efficacy	95
IES Type	VS
BUG Rating	B4-U3-G2
Mounting Height	30 ft
Grid Scale	30 ft

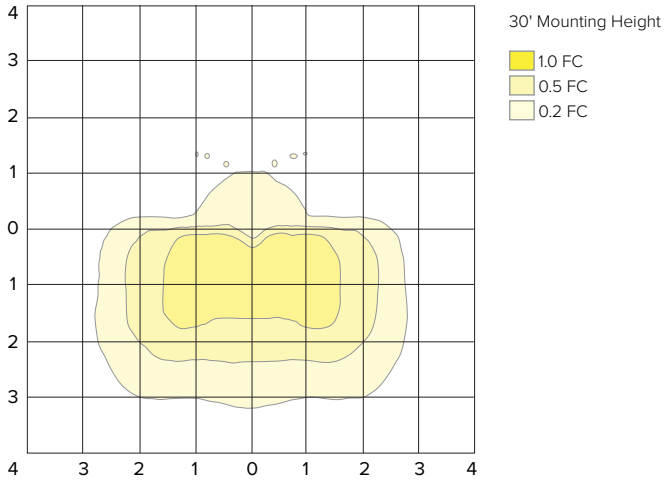
**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	7315	48%
Downward House Side	7315	48%
Downward Total	14630	96%
Upward Street Side	272	2%
Upward House Side	272	2%
Upward Total	543	4%
Total Flux	15173	100%

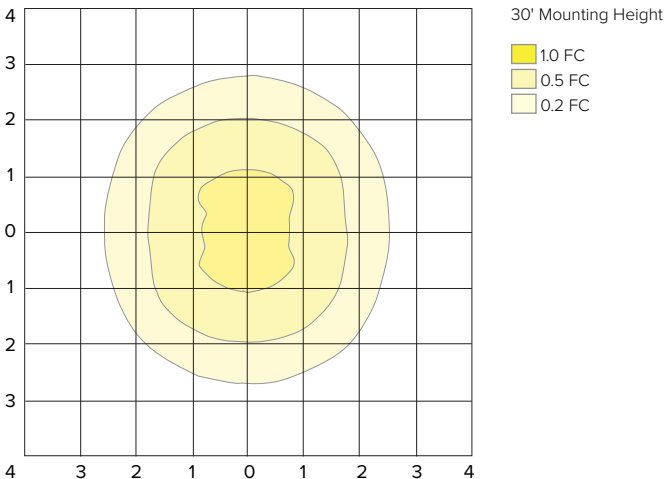
**ISOFOOT CANDLE PLOT**



**ISOFOOT CANDLE PLOT**

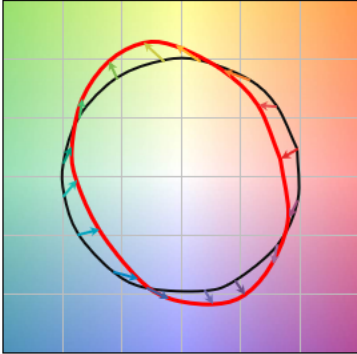


**ISOFOOT CANDLE PLOT**



**TM-30 DATA**

**COLOR VECTOR GRAPHIC**



— Reference Illuminant — Test Source

**TEST SOURCE**

MBM TEST RESULTS	
CCT (K)	3947
CIE Ra	72
Duv	0.0004
x	0.3831
y	0.3793
Rf	68
Rg	99

**ELECTRICAL DATA**

Light Engine	System Watts	System Current	Electrical							Min. Power Factor	Max THD (%)	Dimming Range	Dimming			
			Line Voltage		Amps AC				Source current out of 0-10V				Absolute voltage range on 0-10V (+)			
			VAC	HZ	120	208	240	277	Min				Max	Min	Max	
72L	53.6	240 mA	120-277	50/60	0.45	0.26	0.22	0.19	>0.9	20	10% to 100%	0mA	1mA	0V	10V	
	76.0	335 mA			0.63	0.37	0.32	0.27								
	81.4	360 mA			0.68	0.39	0.34	0.29								
	115.7	500 mA			0.96	0.56	0.48	0.42								
	159.6	700 mA			1.33	0.77	0.67	0.58								

AMBER MULTIPLIER	
CCT	MULTIPLIER
5000K	1
AM	0.1727

2700K MULTIPLIER	
CCT	MULTIPLIER
5000K	1
2700K	0.897

LENS OPTION MULTIPLIER
DIFFUSED LENS
0.8569