

# PRMD2-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 PRMD2-LK LED Deck

## RELATED PRODUCTS

[PRMN2](#)

[PRMS2](#)

[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

PRMD2-LK		LED Quantity		Lumen output		CCT/CRI		Distribution		Finish	
<b>PRMD2-LK</b>	Promenade Upgrade Kit	<b>72L</b>	72 LED	<b>225</b>	225mA, Microcore Crossover	<b>5K7</b>	5000K, 70 CRI	<b>1</b>	Type I	<b>AGN</b>	Antique Green
				<b>335</b>	335mA, 8,500 lumens	<b>4K7</b>	4000K, 70 CRI	<b>2</b>	Type II	<b>BL</b>	Black
				<b>345</b>	345mA, Microcore Crossover	<b>3K7</b>	3000K, 70 CRI	<b>3</b>	Type III	<b>BLT</b>	Matte Black
				<b>500</b>	500mA, 12,000 lumens	<b>AMB</b>	Amber-595nm Peak <sup>1</sup>	<b>4W</b>	Type IV Wide	<b>CRT</b>	Corton
				<b>700</b>	700mA, 16,000 Lumens			<b>5Q</b>	Type V Square	<b>DB</b>	Dark Bronze
								<b>5W</b>	Type V Wide	<b>DGN</b>	Dark Green
										<b>GT</b>	Graphite
										<b>LG</b>	Light Gray
										<b>MAL</b>	Matte Aluminum
										<b>MDB</b>	Metallic Bronze
										<b>MG</b>	Medium Gray
										<b>TT</b>	Titanium
										<b>VBU</b>	Verde Blue
										<b>WDB</b>	Weathered Blue
										<b>WH</b>	White
										<b>CC</b>	Custom Color <sup>4</sup>

Optional Lens	Options	Voltage
<b>DL</b> Diffused Lens	<b>HS</b> House Side Shield <sup>2</sup> <b>FTG</b> Flat Glass Lens <b>VSR</b> Visor <b>SF</b> Single Fuse (120,277) <b>DF</b> Double Fuse (208,240) <sup>2</sup>	<b>UNV</b> 120-277V

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)
72	225	Microcore Crossover	Clear Lens	1	6643	1	3	1	132.9	6861	1	3	1	137.2	7118	1	3	2	142.4
				2	6097	1	3	2	121.9	6298	1	3	2	126.0	6534	1	3	2	130.7
				3	6017	1	3	2	120.3	6215	1	3	2	124.3	6448	1	3	2	129.0
				4W	5939	1	3	2	118.8	6134	1	3	2	122.7	6364	1	3	3	127.3
				1-HS	3935	0	3	1	78.7	4064	0	3	1	81.3	4216	0	3	1	84.3
				2-HS	3134	0	3	1	62.7	3237	0	3	1	64.7	3358	0	3	1	67.2
				3-HS	3079	0	3	1	61.6	3180	0	3	1	63.6	3299	0	3	1	66.0
				4W-HS	2816	0	3	1	56.3	2909	0	3	1	58.2	3018	0	3	1	60.4
				5Q	6383	2	3	1	127.7	6593	2	3	1	131.9	6840	2	3	1	136.8
	5W	5813		3	3	2	116.3	6004	3	3	2	120.1	6229	3	3	2	124.6		
	1	9447		1	3	2	125.2	9758	1	3	2	129.3	10123	1	3	2	133.4		
	2	8671		2	3	2	114.9	8957	2	3	2	118.7	9292	2	3	2	122.4		
	3	8557		2	3	2	113.4	8839	2	3	2	117.1	9170	2	3	2	121.5		
	4W	8445		1	3	3	111.9	8723	1	3	3	115.6	9050	1	3	3	120.2		
	1-HS	5595		1	3	1	74.2	5780	1	3	1	76.6	5996	1	3	1	79.4		
	2-HS	4457		1	3	1	59.1	4604	1	3	1	61.0	4776	1	3	1	63.2		
	3-HS	4379		1	3	1	58.0	4523	1	3	1	59.9	4692	1	3	1	62.1		
	4W-HS	4005		1	3	1	53.1	4137	1	3	1	54.8	4292	1	3	1	57.3		
	5Q	9077		3	3	2	120.3	9376	3	3	2	124.3	9727	3	3	2	129.2		
	5W	8266		3	3	2	109.5	8538	3	3	2	113.2	8858	3	3	2	117.6		
	1	9649		1	3	2	124.0	9966	1	3	2	128.1	10339	1	3	2	132.9		
	2	8857		2	3	2	113.8	9148	2	3	2	117.6	9491	2	3	2	122.0		
	3	8740		2	3	2	112.3	9028	2	3	2	116.0	9366	2	3	2	120.4		
	4W	8626		1	3	3	110.9	8910	1	3	3	114.5	9243	1	3	3	118.8		
	1-HS	5715		1	3	1	73.5	5903	1	3	1	75.9	6124	1	3	1	78.7		
	2-HS	4552		1	3	1	58.5	4702	1	3	1	60.4	4878	1	3	1	62.7		
	3-HS	4472		1	3	1	57.5	4619	1	3	1	59.4	4792	1	3	1	61.6		
	4W-HS	4091		1	3	1	52.6	4225	1	3	1	54.3	4384	1	3	1	56.3		
	5Q	9271		3	3	2	119.2	9576	3	3	2	123.1	9935	3	3	2	127.7		
	5W	8443		3	3	2	108.5	8721	3	3	2	112.1	9047	3	3	2	116.3		
	1	13320		2	3	2	115.8	13758	2	3	2	119.6	14273	2	3	2	124.1		
	2	12227		2	3	2	106.3	12629	2	3	3	109.8	13102	2	3	3	113.9		
	3	12066		2	3	3	104.9	12463	2	3	3	108.4	12930	2	3	3	112.4		
	4W	11908		2	3	3	103.5	12300	2	3	3	107.0	12761	2	3	3	111.0		
	1-HS	7890		1	3	2	68.6	8149	1	3	2	70.9	8454	1	3	2	73.5		
	2-HS	6284		1	3	1	54.6	6491	1	3	1	56.4	6734	1	3	1	58.6		
	3-HS	6174		1	3	2	53.7	6377	1	3	2	55.5	6616	1	3	2	57.5		
	4W-HS	5647		1	3	2	49.1	5833	1	3	2	50.7	6052	1	3	2	52.6		
	5Q	12799		3	3	2	111.3	13220	3	3	2	115.0	13715	3	3	2	119.3		
	5W	11655		4	3	3	101.4	12039	4	3	3	104.7	12490	4	3	3	108.6		
	1	17334		2	3	3	108.6	17904	2	3	3	112.2	18575	2	3	3	116.4		
	2	15911		3	3	3	99.7	16434	3	3	3	103.0	17050	3	3	3	106.8		
	3	15702		2	3	3	98.4	16219	2	3	3	101.6	16826	3	3	3	105.8		
	4W	15497		2	3	4	97.1	16006	2	3	4	100.3	16606	2	3	4	104.0		
	1-HS	10267		1	3	2	64.3	10605	1	3	2	66.4	11002	1	3	2	68.9		
2-HS	8178	1	3	2	51.2	8447	1	3	2	52.9	8763	1	3	2	54.9				
3-HS	8034	1	3	2	50.3	8299	1	3	2	52.0	8609	1	3	2	53.9				
4W-HS	7349	1	3	2	46.0	7591	1	3	2	47.6	7875	1	3	2	49.3				
5Q	16656	3	3	2	104.4	17204	4	3	3	107.8	17848	4	3	3	111.8				
5W	15168	4	3	3	95.0	15667	4	3	3	98.2	16254	4	3	3	101.8				

**DELIVERED LUMENS**

**LUMINAIRE PERFORMANCE – FLAT GLASS 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	225	Microcore Crossover	Flat Glass Lens	1	6000	1	3	1	120.0	6197	1	3	1	123.9	6429	1	3	1	128.6
				2	5507	1	3	1	110.1	5689	1	3	2	113.8	5902	1	3	2	118.0
				3	5435	1	3	2	108.7	5614	1	3	2	112.3	5824	1	3	2	116.5
				4W	5364	1	3	2	107.3	5540	1	3	2	110.8	5748	1	3	2	115.0
				1-HS	3554	0	3	1	71.1	3671	0	3	1	73.4	3808	0	3	1	76.2
				2-HS	2831	0	2	1	56.6	2924	0	3	1	58.5	3033	0	3	1	60.7
				3-HS	2781	0	2	1	55.6	2872	0	3	1	57.4	2980	0	3	1	59.6
				4W-HS	2544	0	2	1	50.9	2628	0	2	1	52.6	2726	0	2	1	54.5
				5Q	5765	2	3	1	115.3	5955	2	3	1	119.1	6178	2	3	1	123.6
				5W	5250	3	3	2	105.0	5423	3	3	2	108.5	5626	3	3	2	112.5
				1	8533	1	3	2	113.1	8813	1	3	2	116.8	9144	1	3	2	121.2
				2	7832	2	3	2	103.8	8090	2	3	2	107.2	8393	2	3	2	111.2
				3	7729	1	2	2	102.4	7984	1	2	2	105.8	8283	1	2	2	109.8
				4W	7628	1	3	3	101.1	7879	1	3	3	104.4	8174	1	3	3	108.3
				1-HS	5054	1	3	1	67.0	5220	1	3	1	69.2	5416	1	3	1	71.8
				2-HS	4026	0	3	1	53.3	4158	1	3	1	55.1	4314	1	3	1	57.2
				3-HS	3955	1	3	1	52.4	4085	1	3	1	54.1	4238	1	3	1	56.2
				4W-HS	3618	1	3	1	47.9	3737	1	3	1	49.5	3877	1	3	1	51.4
	5Q	8199	3	3	2	108.7	8469	3	3	2	112.2	8786	3	3	2	116.4			
	5W	7466	3	3	2	98.9	7712	3	3	2	102.2	8001	3	3	2	106.0			
	1	8715	1	3	2	112.0	9002	1	3	2	115.7	9339	1	3	2	120.0			
	2	8000	2	3	2	102.8	8263	2	3	2	106.2	8572	2	3	2	110.2			
	3	7895	1	3	2	101.5	8154	1	3	2	104.8	8460	2	3	2	108.7			
	4W	7791	1	3	3	100.1	8048	1	3	3	103.4	8349	1	3	3	107.3			
	1-HS	5162	1	3	1	66.4	5332	1	3	1	68.5	5532	1	3	1	71.1			
	2-HS	4112	1	3	1	52.9	4247	1	3	1	54.6	4406	1	3	1	56.6			
	3-HS	4039	1	3	1	51.9	4172	1	3	1	53.6	4329	1	3	1	55.6			
	4W-HS	3695	1	3	1	47.5	3817	1	3	1	49.1	3960	1	3	1	50.9			
	5Q	8374	3	3	2	107.6	8650	3	3	2	111.2	8974	3	3	2	115.3			
	5W	7626	3	3	2	98.0	7877	3	3	2	101.2	8172	3	3	2	105.0			
	1	12031	1	3	2	104.6	12427	1	3	2	108.1	12892	1	3	2	112.1			
	2	11044	2	3	2	96.0	11407	2	3	2	99.2	11834	2	3	2	102.9			
	3	10899	2	2	2	94.8	11257	2	2	2	97.9	11679	2	2	2	101.6			
	4W	10756	2	3	3	93.5	11110	2	3	3	96.6	11526	2	3	3	100.2			
	1-HS	7126	1	3	1	62.0	7361	1	3	1	64.0	7636	1	3	1	66.4			
	2-HS	5676	1	3	1	49.4	5863	1	3	1	51.0	6083	1	3	1	52.9			
	3-HS	5576	1	3	1	48.5	5760	1	3	1	50.1	5976	1	3	2	52.0			
	4W-HS	5101	1	3	1	44.4	5269	1	3	2	45.8	5466	1	3	2	47.5			
	5Q	11561	3	3	2	100.5	11941	3	3	2	103.8	12388	3	3	2	107.7			
	5W	10528	3	3	2	91.5	10874	3	3	2	94.6	11281	4	3	3	98.1			
	1	15657	2	3	2	98.1	16172	2	3	3	101.3	16777	2	3	3	105.1			
	2	14371	2	3	3	90.0	14844	2	3	3	93.0	15400	3	3	3	96.5			
3	14183	2	3	2	88.9	14649	2	3	2	91.8	15198	2	3	2	95.0				
4W	13997	2	3	4	87.7	14458	2	3	4	90.6	14999	2	3	4	94.0				
1-HS	9274	1	3	2	58.1	9579	1	3	2	60.0	9938	1	3	2	62.3				
2-HS	7387	1	3	2	46.3	7630	1	3	2	47.8	7916	1	3	2	49.6				
3-HS	7257	1	3	2	45.5	7496	1	3	2	47.0	7776	1	3	2	48.7				
4W-HS	6638	1	3	2	41.6	6857	1	3	2	43.0	7113	1	3	2	44.6				
5Q	15044	3	3	2	94.3	15539	3	3	2	97.4	16121	3	3	2	101.0				
5W	13700	4	3	3	85.8	14151	4	3	3	88.7	14681	4	3	3	92.0				

# PRMD2-LK

LED UPGRADE KIT

## DELIVERED LUMENS

### LUMINAIRE PERFORMANCE – DIFFUSED DROP 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	225	Microcore Crossover	Diffused Drop Lens	3	5186	1	3	3	103.7	5357	1	3	3	107.1	5558	1	3	3	111.2
				5W	5010	2	3	2	100.2	5175	2	3	2	103.5	5368	2	3	3	107.4
	335	8,500		3	7376	2	3	3	97.7	7618	2	3	3	100.9	7904	2	3	3	104.7
				5W	7125	3	3	3	94.4	7359	3	3	3	97.5	7635	3	3	3	101.1
	345	Microcore Crossover		3	7533	2	3	3	96.8	7781	2	3	3	100.0	8073	2	3	3	103.8
				5W	7277	3	3	3	93.5	7516	3	3	3	96.6	7798	3	3	3	100.2
	500	12,000		3	10400	2	4	4	90.4	10742	2	4	4	93.4	11144	2	4	4	96.9
				5W	10046	3	3	3	87.4	10376	3	4	3	90.2	10765	3	4	3	93.6
	700	16,000		3	13637	3	4	5	85.4	14085	3	4	5	88.2	14613	3	4	5	91.5
				5W	12973	3	4	4	81.3	13400	3	4	4	83.9	13902	3	4	4	87.1

**PHOTOMETRY**

**PRMD2-72L-700-4K7-1**

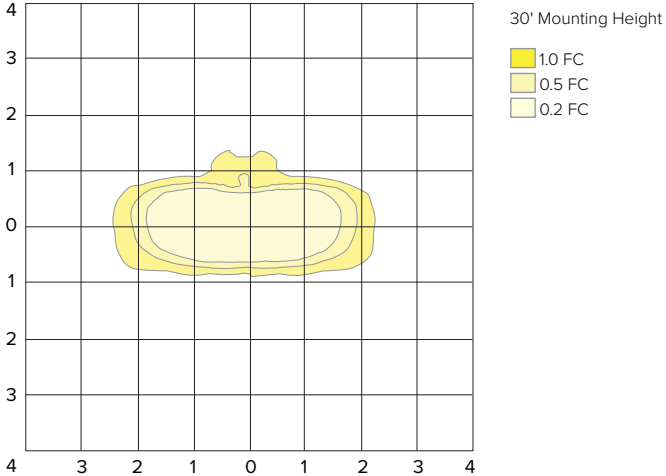
**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>17904</b>
Watts	<b>159.6</b>
Efficacy	<b>112.2</b>
IES Type	<b>I</b>
BUG Rating	<b>B2-U3-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	14466	81%
Downward House Side	2829	16%
Downward Total	17295	97%
Upward Street Side	180	1%
Upward House Side	429	2%
Upward Total	609	3%
Total Flux	17904	100%

**ISOFOOT CANDLE PLOT**



**PRMD2-72L-700-4K7-3**

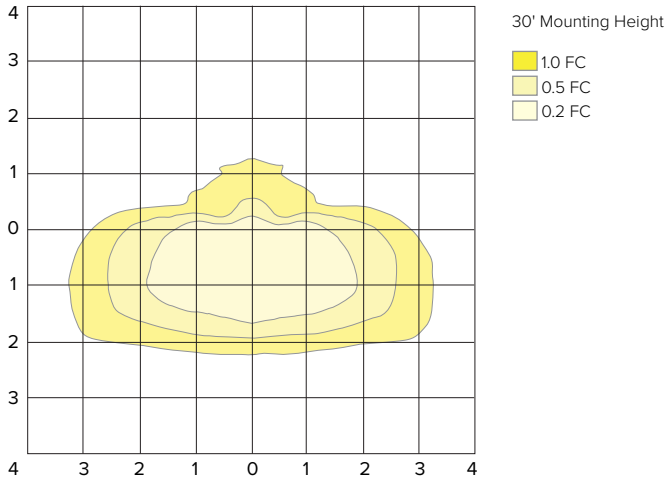
**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>16219</b>
Watts	<b>159.6</b>
Efficacy	<b>101.6</b>
IES Type	<b>III</b>
BUG Rating	<b>B2-U3-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	12576	77%
Downward House Side	3313	20%
Downward Total	15889	97%
Upward Street Side	180	1%
Upward House Side	365	2%
Upward Total	545	3%
Total Flux	16434	100%

**ISOFOOT CANDLE PLOT**



**PRMD2-72L-700-4K7-5Q**

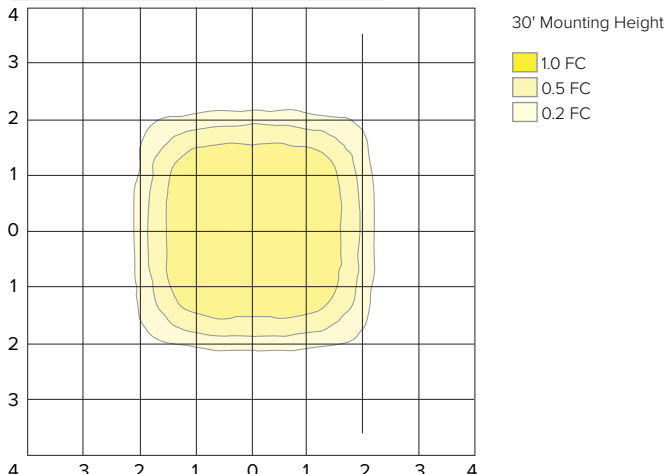
**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>17204</b>
Watts	<b>159.6</b>
Efficacy	<b>107.8</b>
IES Type	<b>VS</b>
BUG Rating	<b>B4-U3-G3</b>
Mounting Height	<b>30 ft</b>
Grid Scale	<b>30 ft</b>

**ZONAL LUMEN SUMMARY**

Zone	Lumens	% Luminaire
Downward Street Side	12769	79%
Downward House Side	2912	18%
Downward Total	15681	97%
Upward Street Side	161	1%
Upward House Side	377	2%
Upward Total	538	3%
Total Flux	16219	100%

**ISOFOOT CANDLE PLOT**



**PHOTOMETRY**

**PRMD2-72L-700-4K7-2**

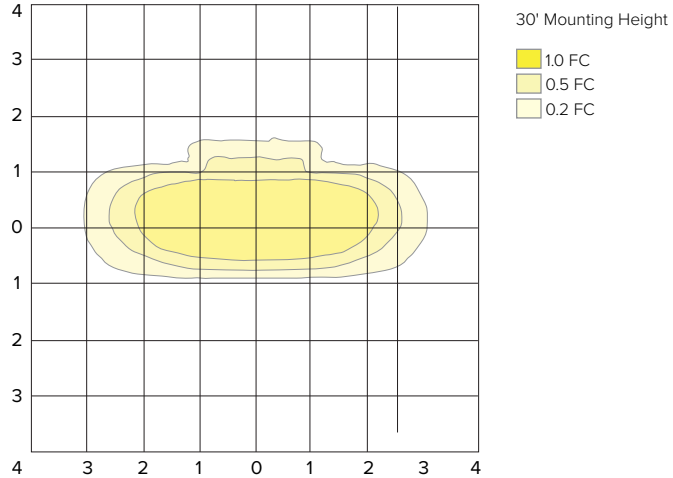
**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15979
Watts	159.1
Efficacy	100.4
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	13182	82%
Downward House Side	2292	14%
Downward Total	15474	97%
Upward Street Side	141	1%
Upward House Side	391	2%
Upward Total	532	3%
Total Flux	16006	100%

**ISOFOOT CANDLE PLOT**



**PRMD2-72L-700-4K7-4**

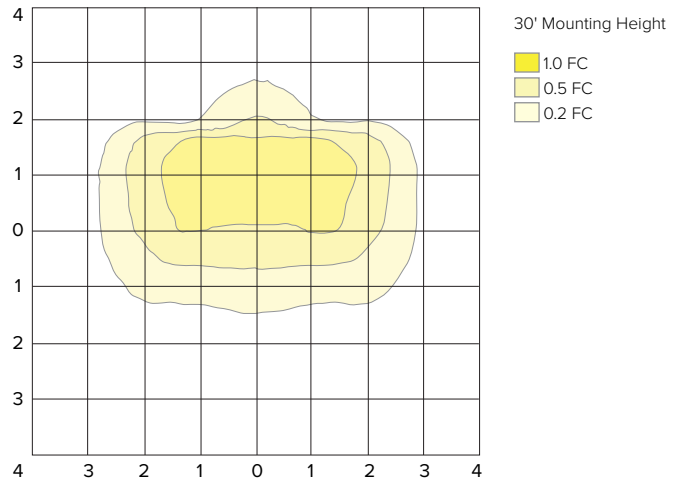
**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15625
Watts	159.1
Efficacy	98.2
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	8309	48.3%
Downward House Side	8309	48.3%
Downward Total	16618	96.6%
Upward Street Side	293	1.7%
Upward House Side	293	1.7%
Upward Total	586	3.4%
Total Flux	17204	100%

**ISOFOOT CANDLE PLOT**



**PRMD2-72L-700-4K7-5W**

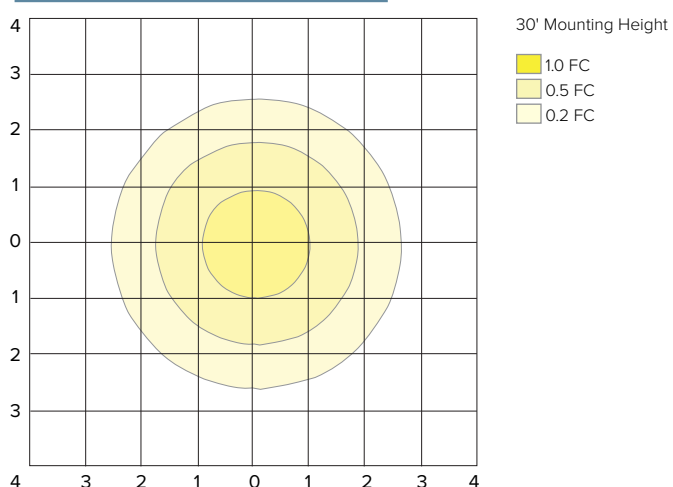
**LUMINAIRE DATA**

Description	4000 Kelvin, 70CRI
Delivered Lumens	15365
Watts	159.1
Efficacy	97
IES Type	VS
BUG Rating	B4-U3-G2
Mounting Height	30 ft
Grid Scale	30 ft

**ZONAL LUMEN SUMMARY**

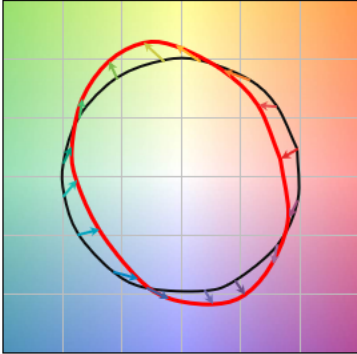
Zone	Lumens	% Luminaire
Downward Street Side	7573	48.3%
Downward House Side	7573	48.3%
Downward Total	15146	96.7%
Upward Street Side	260	1.7%
Upward House Side	260	1.7%
Upward Total	520	3.3%
Total Flux	15667	100%

**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	50.0	225 mA	120-277	50/60	0.42	0.24	0.21	0.18	>0.9	20	10% to 100%	0mA	1mA	0V	10V	
	75.5	335 mA			0.63	0.36	0.31	0.27								
	77.8	345 mA			0.65	0.37	0.32	0.28								
	115.0	500 mA			0.96	0.55	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	
CLEAR LENS	DIFFUSED LENS
0.9032	0.8619