

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
- Upgrade Kits



PROMENADE



Promenade PRMD2-LK LED Deck

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

LED/OPTICS CONTINUED

- 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

ELECTRICAL

- Luminaires have integral surge protection, UL recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J

ELECTRICAL CONTINUED

- Drivers are UL recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control
- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment

CERTIFICATIONS

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

WARRANTY

- 5 year warranty

HOUSING

PRMD2-LK		LED Quantity		Lumen output		CCT/CRI		Distribution		Finish	
PRMD2-LK	Promenade Upgrade Kit	72L	72 LED	225	445mA, MicroCore Equivalent	AMB	Amber-595nm Peak ¹	1	Type I	BLS	Black Gloss Smooth
				335	335mA, 8,500 lumens	3K7	3000K, 70 CRI	2	Type II	BLT	Black Matte Textured
				345	700mA, MicroCore Equivalent	4K7	4000K, 70 CRI	3	Type III	DBS	Dark Bronze Gloss Smooth
				500	500mA, 12,000 lumens	5K7	5000K, 70 CRI	4W	Type IV Wide	DBT	Dark Bronze Matte Textured
				700	700mA, 16,000 Lumens			5Q	Type V Square	GTT	Graphite Matte Textured
								5W	Type V Wide	LGS	Light Grey Gloss Smooth
										LGT	Light Grey Matte Textured
										PSS	Platinum Silver Gloss Smooth
										VGT	Verde Green Matte Textured
										WHS	White Gloss Smooth
										WHT	White Matte Textured
										Color Option	
										CC⁴	Custom Color

Optional Lens	Options	Voltage
DL Diffused Lens	HS House Side Shield ³	UNV 120-277V
	FTG Flat Glass Lens	
	VSR Visor	
	SF Single Fuse (120,277)	
	DF Double Fuse (208,240) ²	

Notes:

- 1 Turtle 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 for custom color, marine and corrosive finish options

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)	
						1	0	1			1	0	1			1	0	1		1
72	225	Microcore Crossover	Flat Glass Lens	1	5768	1	0	1	115.4	5957	1	0	1	119.1	6182	1	0	1	123.6	
				2	5293	1	0	1	105.9	5468	1	0	1	109.4	5673	1	0	1	113.5	
				3	5220	1	0	2	104.4	5392	1	0	2	107.8	5593	1	0	2	111.9	
				4W	5149	1	0	2	103.0	5318	1	0	2	106.4	5517	1	0	2	110.3	
				1-HS	3416	0	0	1	68.3	3529	0	0	1	70.6	3660	0	0	1	73.2	
				2-HS	2723	0	0	1	54.5	2812	0	0	1	56.2	2917	0	0	1	58.3	
				3-HS	2674	0	0	1	53.5	2761	0	0	1	55.2	2865	0	0	1	57.3	
				4W-HS	2445	0	0	1	48.9	2526	0	0	1	50.5	2620	0	0	1	52.4	
				5Q	5538	2	0	1	110.8	5720	2	0	1	114.4	5934	2	0	1	118.7	
				5W	5041	3	0	1	100.8	5207	3	0	1	104.1	5402	3	0	1	108.0	
	335	8,500			1	8203	1	0	1	108.7	8472	1	0	1	112.3	8790	1	0	2	116.5
					2	7527	2	0	2	99.7	7775	2	0	2	103.0	8067	2	0	2	106.9
					3	7674	1	0	2	101.7	7928	1	0	2	105.1	8224	1	0	2	109.0
					4W	7322	1	0	3	97.0	7563	1	0	3	100.2	7846	1	0	3	104.0
					1-HS	4858	1	0	1	64.4	5018	1	0	1	66.5	5206	1	0	1	69.0
					2-HS	3872	0	0	1	51.3	3999	1	0	1	53.0	4149	1	0	1	55.0
					3-HS	3802	1	0	2	50.4	3927	1	0	1	52.0	4075	1	0	1	54.0
					4W-HS	3478	1	0	1	46.1	3592	1	0	1	47.6	3727	1	0	1	49.4
					5Q	7876	3	0	1	104.4	8135	3	0	1	107.8	8439	3	0	1	111.8
					5W	7169	3	0	2	95.0	7405	3	0	2	98.1	7683	3	0	2	101.8
	345	Microcore Crossover	Flat Glass Lens		1	8378	1	0	1	107.7	8654	1	0	1	111.2	8978	1	0	2	115.4
					2	7689	2	0	2	98.8	7942	2	0	2	102.1	8239	2	0	2	105.9
					3	7582	1	0	2	97.5	7831	1	0	2	100.7	8125	2	0	2	104.4
					4W	7478	1	0	3	96.1	7725	1	0	3	99.3	8014	1	0	3	103.0
					1-HS	4962	1	0	1	63.8	5125	1	0	1	65.9	5318	1	0	1	68.4
					2-HS	3955	1	0	1	50.8	4085	1	0	1	52.5	4238	1	0	1	54.5
					3-HS	3883	1	0	1	49.9	4011	1	0	1	51.6	4162	1	0	1	53.5
					4W-HS	3552	1	0	1	45.7	3669	1	0	1	47.2	3806	1	0	1	48.9
					5Q	8044	3	0	1	103.4	8309	3	0	1	106.8	8620	3	0	1	110.8
					5W	7323	3	0	2	94.1	7564	3	0	2	97.2	7847	3	0	2	100.9
	500	12,000			1	11566	1	0	2	100.6	11947	1	0	2	103.9	12394	1	0	2	107.8
					2	10615	2	0	2	92.3	10963	2	0	2	95.3	11374	2	0	2	98.9
					3	10822	2	0	2	94.1	11177	2	0	2	97.2	11596	2	0	2	100.8
					4W	10324	2	0	3	89.8	10664	2	0	3	92.7	11063	2	0	3	96.2
					1-HS	6850	1	0	1	59.6	7076	1	0	1	61.5	7340	1	0	1	63.8
					2-HS	5459	1	0	1	47.5	5639	1	0	1	49.0	5850	1	0	1	50.9
					3-HS	5361	1	0	1	46.6	5538	1	0	1	48.2	5745	1	0	1	50.0
					4W-HS	4903	1	0	1	42.6	5065	1	0	1	44.0	5254	1	0	1	45.7
					5Q	11105	3	0	2	96.6	11470	3	0	2	99.7	11899	3	0	2	103.5
					5W	10109	3	0	2	87.9	10441	3	0	2	90.8	10832	4	0	2	94.2
	700	16,000			1	15052	2	0	2	94.3	15547	2	0	2	97.4	16128	2	0	2	101.1
					2	13812	2	0	2	86.5	14267	2	0	2	89.4	14801	3	0	3	92.7
3					14083	2	0	2	88.2	14545	2	0	2	91.1	15090	2	0	2	94.3	
4W					13435	2	0	3	84.2	13877	2	0	3	86.9	14397	2	0	4	90.2	
1-HS					8915	1	0	1	55.9	9208	1	0	1	57.7	9553	1	0	1	59.9	
2-HS					7105	1	0	1	44.5	7339	1	0	1	46.0	7614	1	0	1	47.7	
3-HS					6977	1	0	2	43.7	7207	1	0	1	45.2	7476	1	0	2	46.8	
4W-HS					6380	1	0	2	40.0	6591	1	0	2	41.3	6837	1	0	2	42.8	
5Q					14451	3	0	2	90.5	14926	3	0	2	93.5	15485	3	0	2	97.0	
5W					13155	4	0	3	82.4	13588	4	0	3	85.1	14097	4	0	3	88.3	

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

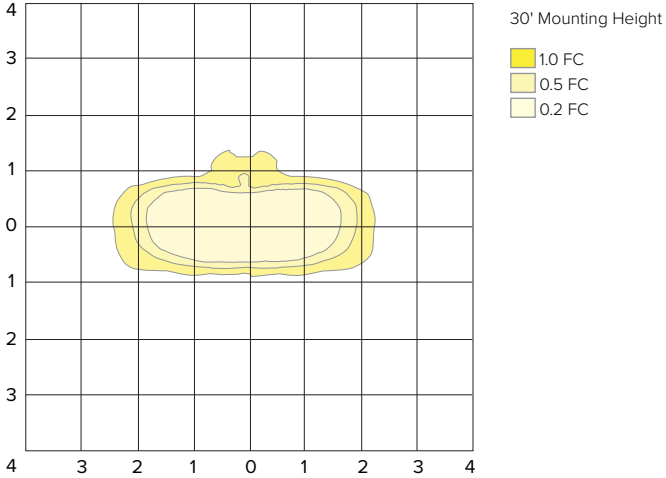
LUMINAIRE DATA

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

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

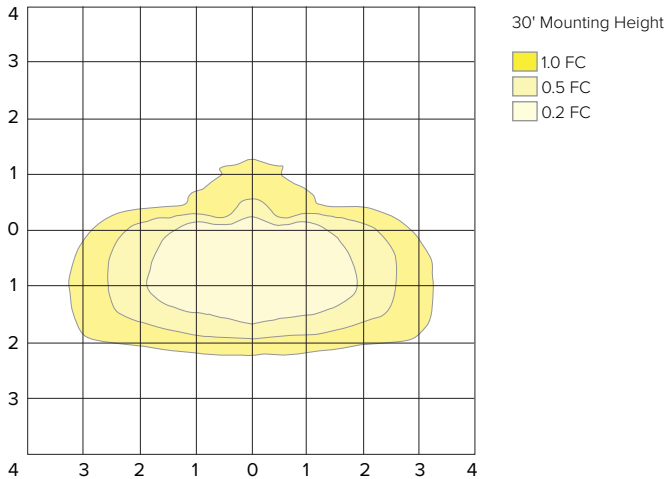
LUMINAIRE DATA

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

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

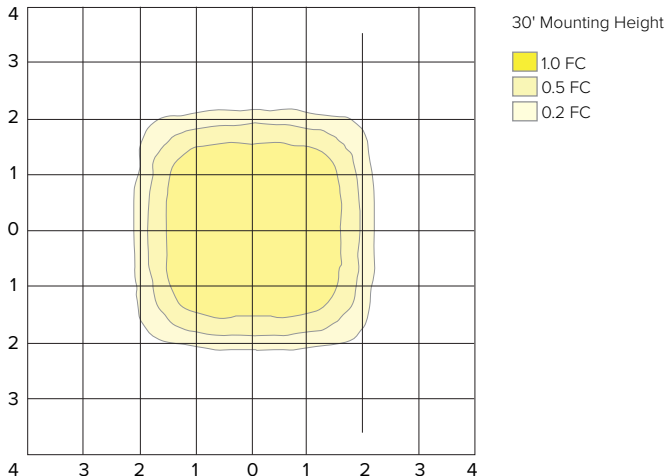
LUMINAIRE DATA

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

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

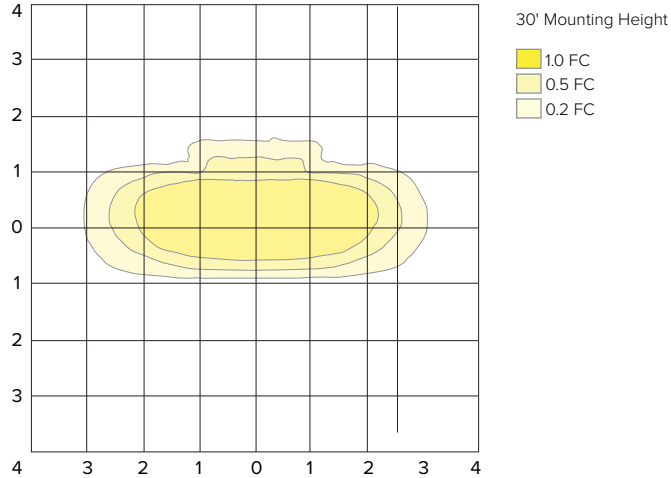
LUMINAIRE DATA

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

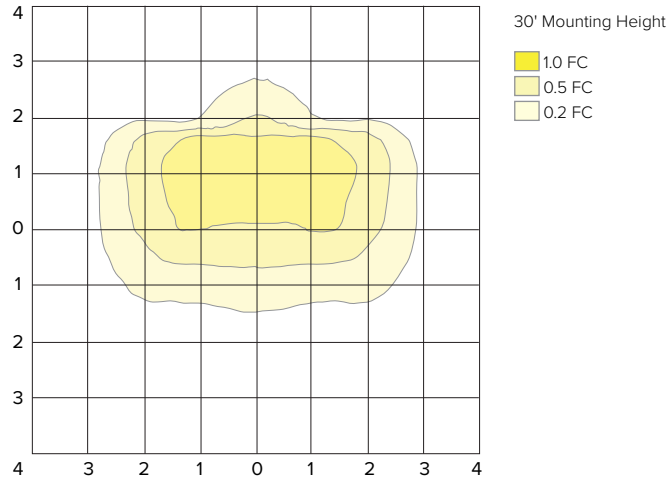
LUMINAIRE DATA

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

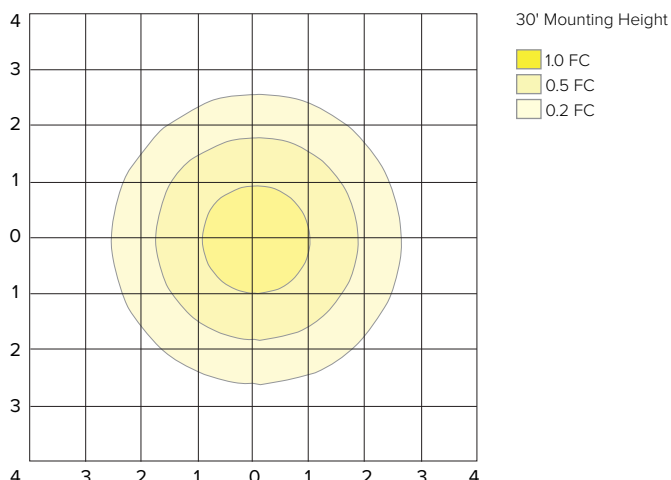
LUMINAIRE DATA

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

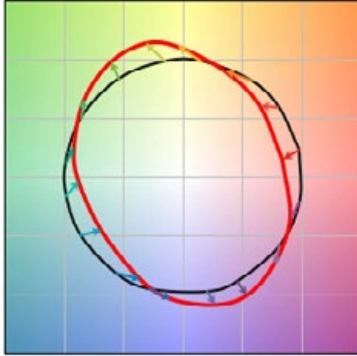
Zone	Lumens	% Luminaire
Downward Street Side	7573	48.3%
Downward House Side	7573	48.3%
Downward Total	15146	96.7%
Upward Street Side	260	1.7%
Upward House Side	260	1.7%
Upward Total	520	3.3%
Total Flux	15667	100%

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							Dimming					
			Line Voltage		Amps AC				Min. Power Factor	Max THD (%)	Dimming Range	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