LEDMPALPRO200-300-LED Area Luminaire

CATALOG NUMBER:

NOTES:

FIXTURE TYPE:

PROJECT:

L70 25°C **372,000 Hours**

FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide up to 372,000 hours of operation with at least 70% of initial lumen output (L70).**
- Available models provide from 26,203 to 46,268 lumens, and from 117 to 153 lumens per watt (LPW).
- IES roadway photometric distributions include types III & V.
- Available in 120-277V or 347-480V (50-60Hz).
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Optional glare shields (full & half) & wire guards are available.
- Optional factory NEMA photocell receptacle installation.
- Die cast aluminum housing with durable, dark bronze powder coat finish.
- Driver enclosure is sealed with a water-tight, silicon rubber gasket.
- Easy installation in new construction or retrofit applications.

*Contact factory for other color temperatures and lumen packages.
**L70hours are IES TM-21-11 calculated hours.

PRODUCT DESCRIPTION

The LEDMPALPRO series is a group of premium architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a wide variety of other large, general site lighting applications. Multiple mounting options make the LEDMPALPRO a versatile luminaire for flood lighting, pole-, ground- and wall-mounted area lighting, and other outdoor lighting requirements.

WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP66 rated for ingress protection.
- DLC premium approved.
- Flicker-free per IEEE1789-2015 (no observable adverse effects of flicker at 100% light output level).
- Rated for 3G vibration.
- Lens is IK 9 rated for protection from external impacts.
- Salt fog tested for 1,000 hours (ASTM B117). After salt fog testing, paint rated at 9 per ASTM D1654-05 scratch test.
- Complies with FCC Part 15, class B.
- Complies with EN61000-4-5, surge immunity protection (6kV).
- 5-year warranty of all electronics and housing.

Note: 120-277V models also available in roadway types 2 & 4 as well as NEMA flood 3H3V, 4H4V, 5H5V, & 7H7V. Consult factory for details.
Note: 347-480V models are also available in the distributions listed above but are not DLC qualified.

ORDERING INFORMATION

EXAMPLE: LEDMPALPRO200-4K-T3-UNC-P

Model	Color Temperature	Distribution	Voltage	Photocell Receptacle [1]	Mounting Brackets (Order Separately)
LEDMPALPRO200 LEDMPALPRO240 LEDMPALPRO280 LEDMPALPRO300	4K = 4000k 5K = 5000k 4K = 4000k 5K = 5000k	T3 = Type III T5 = Type V T2 = Type II T4 = Type IV 3H3V = NEMA 4H4V = NEMA 5H5V = NEMA 7H7V = NEMA	UNC = 347-480V Blank = 120-277V	P = NEMA photocell receptacle Blank = No receptacle	LEDMPALPRO-YK-L = Yoke Bracket, 200-300W LEDMPALPRO-TR = Trunnion Bracket, 80-300W LEDMPALPRO-ARM = Arm Bracket, 80-300W LEDMPALPRO-SF = Slip-Fitter Bracket, 80-300W JL-205C23-IP65 NEMA Photocell

[1] Ships with shorting cap.

ELECTRICAL DATA

Model	Color Temp.	CRI [1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage[2]	Input Current (A) 120V	Input Current (A) 240V 200V	Input Current (A) 277V 480V	Power Factor	THD [3]	L_{70} Hours [4]
IES Roadway Distributions[5]												
LEDMPALPRO200-4K-T2	4000k	> 80	26,720	205	131	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T2	5000k	> 80	27,330	205	134	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-T3	4000k	> 80	26,924	205	132	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T3	5000k	> 80	27,429	204	135	120-277	1.70	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-T4	4000k	> 80	26,329	205	129	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T4	5000k	> 80	26,973	205	132	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-T5	4000k	> 80	26,442	205	129	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T5	5000k	> 80	27,071	205	132	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO240-4K-T2	4000k	> 80	30,714	243	126	120-277	2.03	1.01	0.88	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T2	5000k	> 80	31,093	243	128	120-277	2.03	1.01	0.88	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T3	4000k	> 80	29,589	240	124	120-277	2.00	1.00	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T3	5000k	> 80	29,926	240	125	120-277	2.00	1.00	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T4	4000k	> 80	30,439	242	126	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T4	5000k	> 80	30,751	242	127	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T5	4000k	> 80	27,944	231	121	120-277	1.93	0.96	0.83	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T5	5000k	> 80	28,410	231	123	120-277	1.93	0.96	0.83	> 90%	< 20%	372,000
LEDMPALPRO280-4K-T2	4000k	> 80	35,139	281	125	120-277	2.34	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-T2	5000k	> 80	35,678	281	127	120-277	2.34	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-T3	4000k	> 80	34,424	279	123	120-277	2.32	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-T3	5000k	> 80	34,907	279	125	120-277	2.32	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-T4	4000k	> 80	35,243	280	126	120-277	2.33	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-T4	5000k	> 80	35,516	281	126	120-277	2.34	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-T5	4000k	> 80	32,546	278	117	120-277	2.32	1.16	1.00	> 90%	< 20%	372,000
LEDMPALPRO280-5K-T5	5000k	> 80	32,956	278	119	120-277	2.32	1.16	1.00	> 90%	< 20%	372,000
LEDMPALPRO300-4K-T2	4000k	> 80	44,469	304	146	120-277	2.53	1.27	1.10	> 90%	< 20%	174,000
LEDMPALPRO300-5K-T2	5000k	> 80	45,406	304	149	120-277	2.53	1.27	1.10	> 90%	< 20%	174,000
LEDMPALPRO300-4K-T3	4000k	> 80	44,615	305	146	120-277	2.54	1.27	1.10	> 90%	< 20%	175,000
LEDMPALPRO300-5K-T3	5000k	> 80	45,555	305	149	120-277	2.54	1.27	1.10	> 90%	< 20%	175,000
LEDMPALPRO300-4K-T4	4000k	> 80	43,014	304	142	120-277	2.53	1.27	1.10	> 90%	< 20%	174,000
LEDMPALPRO300-5K-T4	5000k	> 80	43,926	304	145	120-277	2.53	1.27	1.10	> 90%	< 20%	174,000
LEDMPALPRO300-4K-T5	4000k	> 80	43,141	305	141	120-277	2.54	1.27	1.10	> 90%	< 20%	173,000
LEDMPALPRO300-5K-T5	5000k	> 80	44,098	305	144	120-277	2.54	1.27	1.10	> 90%	< 20%	173,000
LEDMPALPRO200-4K-T3-UNC	4000k	> 80	26,445	194	136	347-480	N/A	0.56	0.40	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T3-UNC	5000k	> 80	27,065	194	139	347-480	N/A	0.56	0.40	> 90%	< 20%	131,000
LEDMPALPRO200-4K-T5-UNC	4000k	> 80	26,203	195	134	347-480	N/A	0.56	0.41	> 90%	< 20%	131,000
LEDMPALPRO200-5K-T5-UNC	5000k	> 80	26,801	195	137	347-480	N/A	0.56	0.41	> 90%	< 20%	131,000
LEDMPALPRO240-4K-T3-UNC	4000k	> 80	32,022	242	132	347-480	N/A	0.70	0.50	> 90%	< 20%	131,000
LEDMPALPRO240-5K-T3-UNC	5000k	> 80	32,770	242	135	347-480	N/A	0.70	0.50	> 90%	< 20%	131,000
LEDMPALPRO240-4K-T5-UNC	4000k	> 80	31,268	241	130	347-480	N/A	0.69	0.50	> 90%	< 20%	131,000
LEDMPALPRO240-5K-T5-UNC	5000k	> 80	31,989	241	133	347-480	N/A	0.69	0.50	> 90%	< 20%	131,000
LEDMPALPRO280-4K-T3-UNC	4000k	> 80	36,233	283	128	347-480	N/A	0.82	0.59	> 90%	< 20%	131,000
LEDMPALPRO280-5K-T3-UNC	5000k	> 80	37,054	282	131	347-480	N/A	0.81	0.59	> 90%	< 20%	131,000
LEDMPALPRO280-4K-T5-UNC	4000k	> 80	36,417	285	128	347-480	N/A	0.82	0.59	> 90%	< 20%	131,000
LEDMPALPRO280-5K-T5-UNC	5000k	> 80	37,304	285	131	347-480	N/A	0.82	0.59	> 90%	< 20%	131,000
LEDMPALPRO300-4K-T3-UNC	4000k	> 80	45,356	303	150	347-480	N/A	0.87	0.63	> 90%	< 20%	176,000
LEDMPALPRO300-5K-T3-UNC	5000k	> 80	46,268	303	153	347-480	N/A	0.87	0.63	> 90%	< 20%	176,000
LEDMPALPRO300-4K-T5-UNC	4000k	> 80	44,191	302	146	347-480	N/A	0.87	0.63	> 90%	< 20%	177,000
LEDMPALPRO300-5K-T5-UNC	5000k	> 80	45,122	302	150	347-480	N/A	0.87	0.63	> 90%	< 20%	177,000

[1] Color rendering index.

[2] All 50-60Hz.

[3] Total harmonic distortion.

[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

ELECTRICAL DATA

Model	Color Temp.	CRI [1]	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage[2]	Input Current (A) 120V	Input Current (A) 240V 200V	Input Current (A) 277V 480V	Power Factor	THD [3]	L_{70} Hours [4]
NEMA Floodlight Distributions[6]												
LEDMPALPRO200-4K-3H3V	4000k	> 80	29,527	205	144	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-3H3V	5000k	> 80	30,168	205	147	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-4H4V	4000k	> 80	29,096	205	142	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-4H4V	5000k	> 80	29,666	205	145	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-5H5V	4000k	> 80	27,271	205	133	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-5H5V	5000k	> 80	27,894	205	136	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-4K-7H7V	4000k	> 80	26,442	205	129	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO200-5K-7H7V	5000k	> 80	27,071	205	132	120-277	1.71	0.85	0.74	> 90%	< 20%	131,000
LEDMPALPRO240-4K-3H3V	4000k	> 80	31,106	243	128	120-277	2.03	1.01	0.88	> 90%	< 20%	372,000
LEDMPALPRO240-5K-3H3V	5000k	> 80	31,357	243	129	120-277	2.03	1.01	0.88	> 90%	< 20%	372,000
LEDMPALPRO240-4K-4H4V	4000k	> 80	31,071	242	128	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-5K-4H4V	5000k	> 80	31,344	242	130	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-4K-5H5V	4000k	> 80	30,937	242	128	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-5K-5H5V	5000k	> 80	31,243	242	129	120-277	2.02	1.01	0.87	> 90%	< 20%	372,000
LEDMPALPRO240-4K-7H7V	4000k	> 80	27,944	231	121	120-277	1.93	0.96	0.83	> 90%	< 20%	372,000
LEDMPALPRO240-5K-7H7V	5000k	> 80	28,410	231	123	120-277	1.93	0.96	0.83	> 90%	< 20%	372,000
LEDMPALPRO280-4K-3H3V	4000k	> 80	36,166	279	129	120-277	2.32	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-3H3V	5000k	> 80	36,542	280	131	120-277	2.33	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-4H4V	4000k	> 80	36,016	280	129	120-277	2.33	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-4H4V	5000k	> 80	36,347	280	130	120-277	2.33	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-5H5V	4000k	> 80	35,849	279	128	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-5H5V	5000k	> 80	36,224	280	129	120-277	2.33	1.17	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-7H7V	4000k	> 80	32,546	278	117	120-277	2.32	1.16	1.00	> 90%	< 20%	372,000
LEDMPALPRO280-5K-7H7V	5000k	> 80	32,956	278	119	120-277	2.32	1.16	1.00	> 90%	< 20%	372,000
LEDMPALPRO300-4K-3H3V	4000k	> 80	45,471	303	150	120-277	2.53	1.26	1.09	> 90%	< 20%	173,000
LEDMPALPRO300-5K-3H3V	5000k	> 80	46,408	303	153	120-277	2.53	1.26	1.09	> 90%	< 20%	173,000
LEDMPALPRO300-4K-4H4V	4000k	> 80	45,287	302	150	120-277	2.52	1.26	1.09	> 90%	< 20%	176,000
LEDMPALPRO300-5K-4H4V	5000k	> 80	46,138	302	153	120-277	2.52	1.26	1.09	> 90%	< 20%	176,000
LEDMPALPRO300-4K-5H5V	4000k	> 80	48,245	303	159	120-277	2.53	1.26	1.09	> 90%	< 20%	173,000
LEDMPALPRO300-5K-5H5V	5000k	> 80	49,165	303	162	120-277	2.53	1.26	1.09	> 90%	< 20%	173,000
LEDMPALPRO300-4K-7H7V	4000k	> 80	43,141	305	141	120-277	2.54	1.27	1.10	> 90%	< 20%	173,000
LEDMPALPRO300-5K-7H7V	5000k	> 80	44,098	305	144	120-277	2.54	1.27	1.10	> 90%	< 20%	173,000

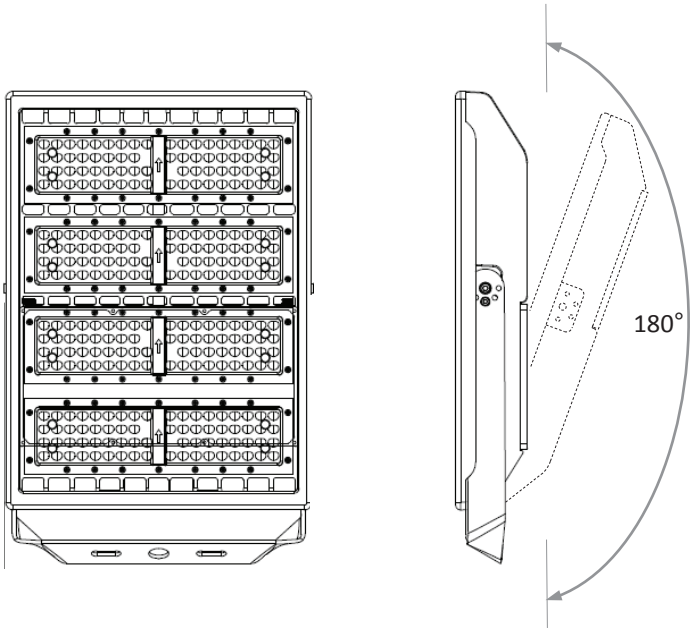
[1] Color rendering index.

[2] All 50-60Hz.

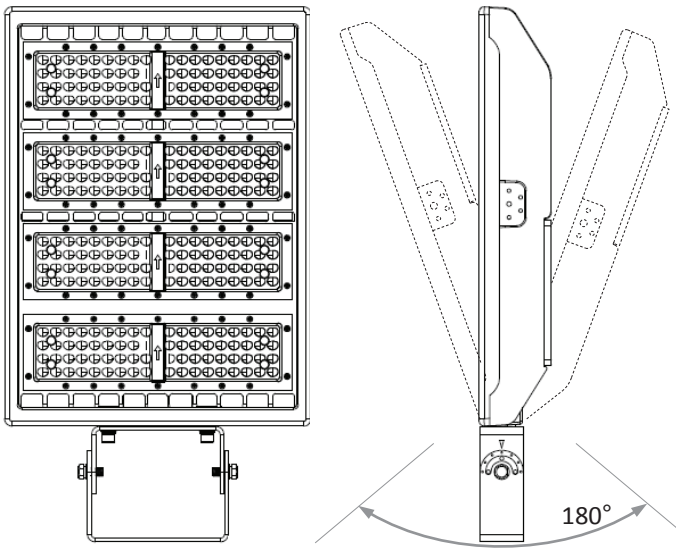
[3] Total harmonic distortion.

[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

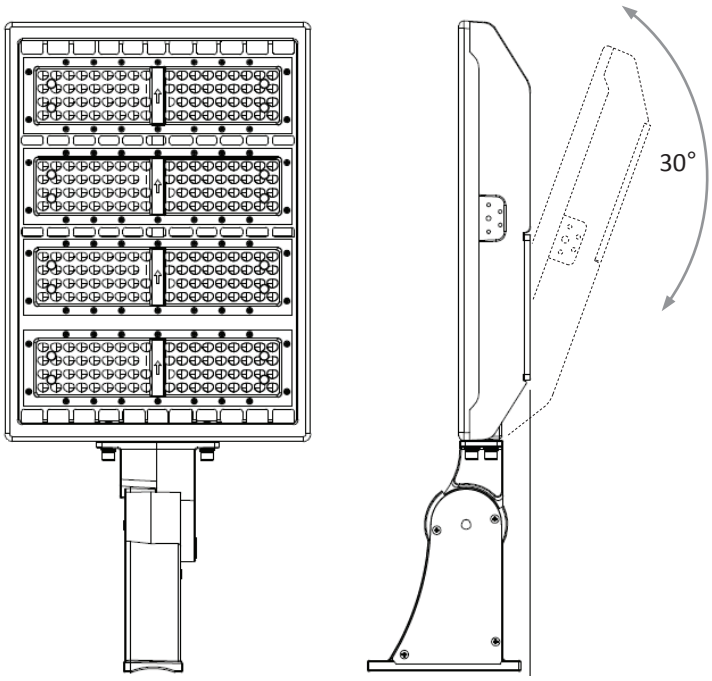
MOUNTING ACCESSORIES



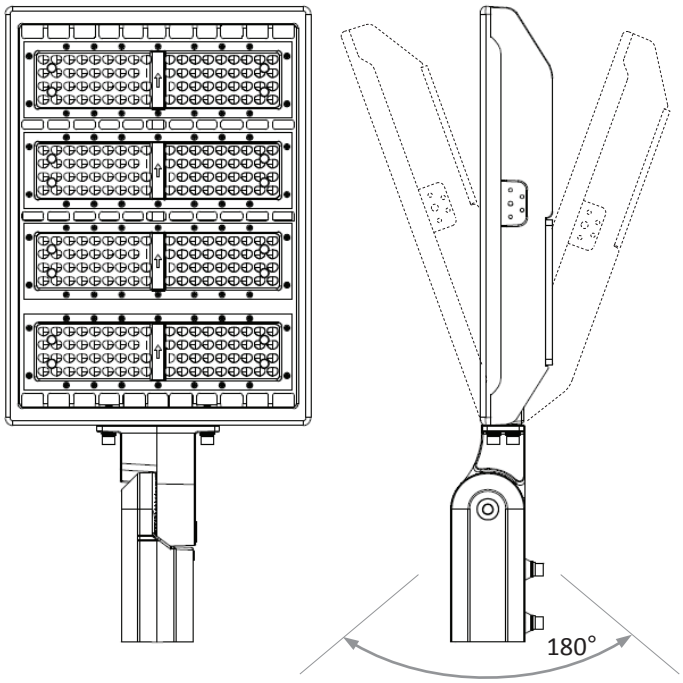
Yoke Mount
LEDMPALPRO-YK-S



Trunnion Mount
LEDMPALPRO-TR



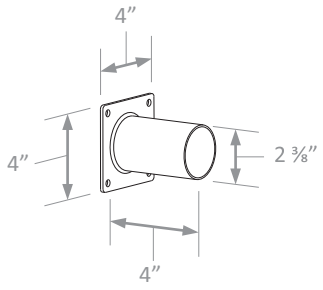
Adjustable Arm Mount
LEDMPALPRO-ARM



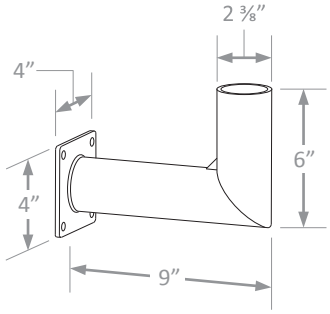
Slip-Fitter Mount
LEDMPALPRO-SF

MOUNTING ACCESSORIES

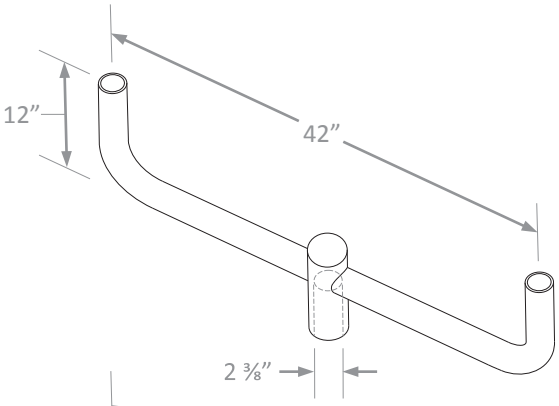
Wall Mount Bracket
LEDMPALPRO-WMB



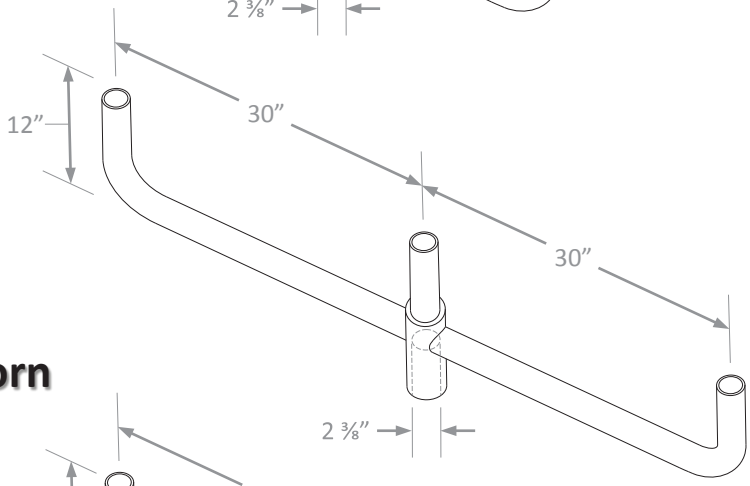
Wall Mount Bracket, 90°
LEDMPALPRO-WMB90



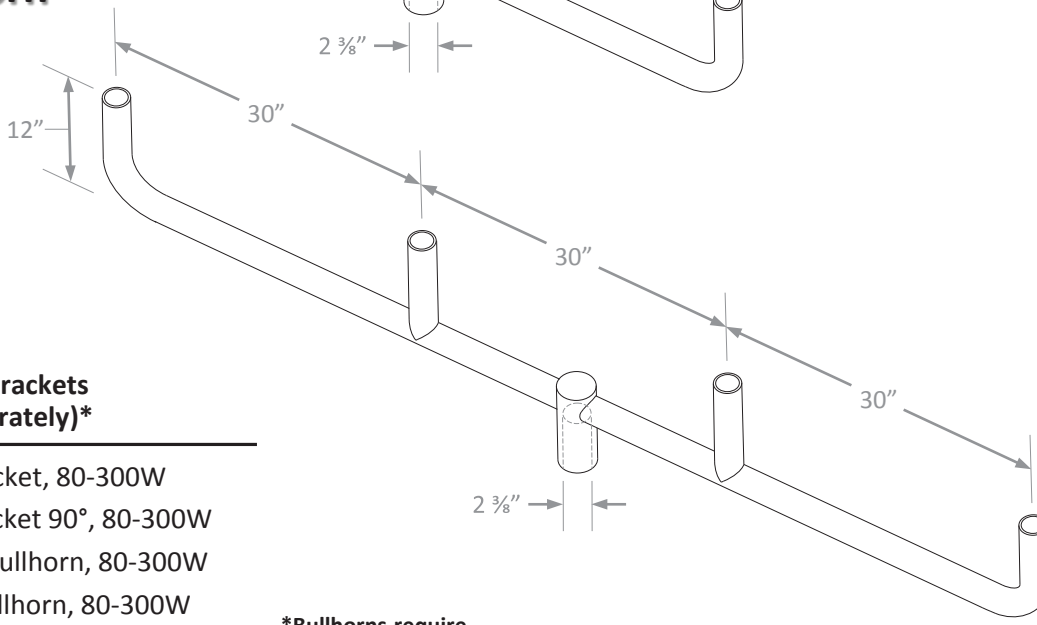
Double 180° Bullhorn Mounting Bracket
LEDMPALPRO-D180BH



Triple 180° Bullhorn Mounting Bracket
LEDMPALPRO-T180BH



Quadruple 180° Bullhorn Mounting Bracket
LEDMPALPRO-Q180BH

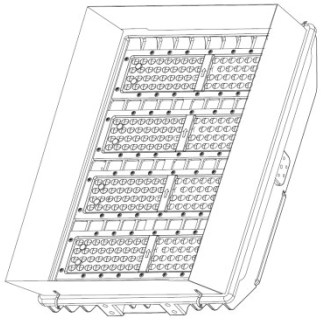


Mounting Brackets (Order Separately)*

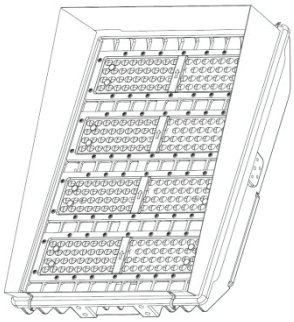
LEDMPALPRO-WMB	Wall Bracket, 80-300W
LEDMPALPRO-WMB90	Wall bracket 90°, 80-300W
LEDMPALPRO-D180BH	Double bullhorn, 80-300W
LEDMPALPRO-T180BH	Triple bullhorn, 80-300W
LEDMPALPRO-Q180BH	Quadruple bullhorn, 80-300W

***Bullhorns require slip-fitter mount**

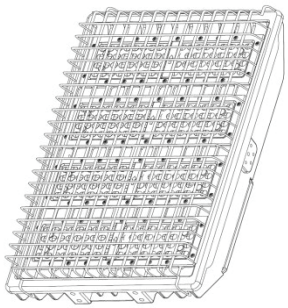
SHIELDS, WIRE GUARDS & NEMA PHOTOCELL INSTALLATION KIT



Full Shield



Half Shield

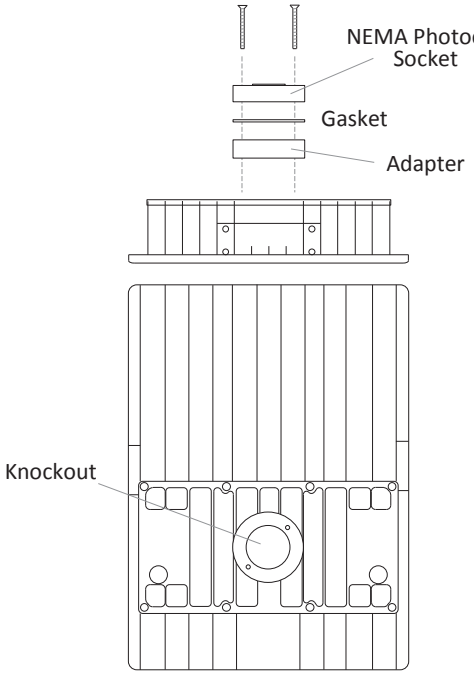


Wire Guard

Can be used in conjunction with shields

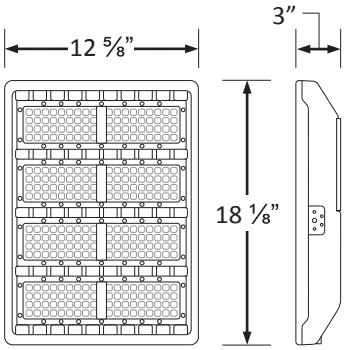
Accessories (Order Separately)

LEDMPALPRO-FGS-L	Full Glare Shield, 200-300W
LEDMPALPRO-HGS-L	Half Glare Shield, 200-300W
LEDMPALPRO-WG-L	Wire Guard, 200-300W



Factory Installed NEMA Photocell Receptacle

DIMENSIONS



Model	Voltage	Weight
200W	120-277V	13.9 lbs.
240W	120-277V	14.3 lbs.
280W	120-277V	16.1 lbs.
300W	120-277V	16.1 lbs.
200W	347-480V	15 lbs.
240W	347-480V	15 lbs.
280W	347-480V	16.1 lbs.
300W	347-480V	16.3 lbs.

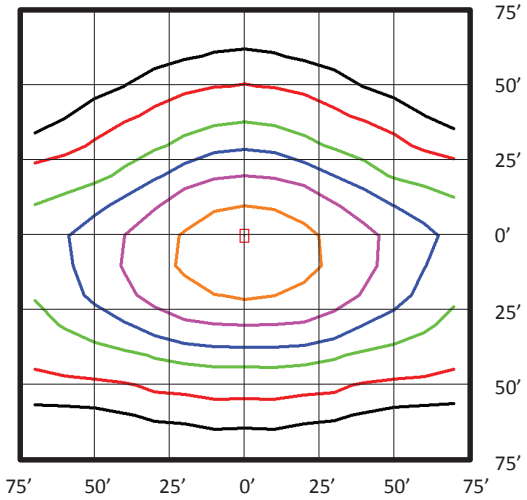
EFFECTIVE PROJECTED AREAS (EPA’s)

200W, 240W, 280W, 300W

Front = 0.32 square feet
Side = 0.45 square feet
Face = 1.91 square feet

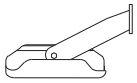
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO200-4K-T2 (26,720 Lumens, Type II Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



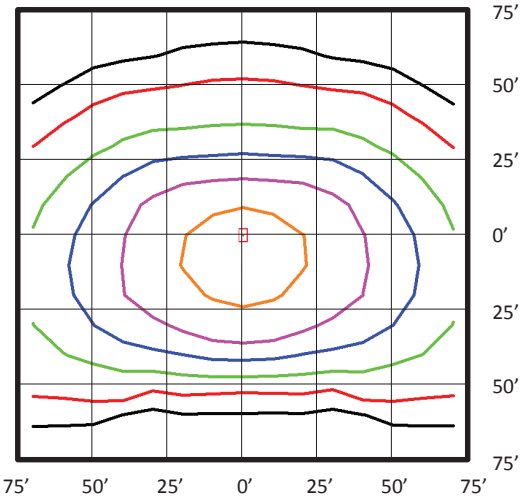
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

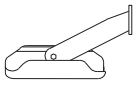
Zone		Lumens	%
FL	- Front - Low (0-30)	3,146	12%
FM	- Front - Medium (30-60)	8,698	33%
FH	- Front - High (60-80)	4,747	18%
FVH	- Front - Very High (80-90)	448	2%
Total Forward Light		**17,039**	**64%**
BL	- Back - Low (0-30)	2,157	8%
BM	- Back - Medium (30-60)	4,360	16%
BH	- Back - High (60-80)	2,737	10%
BVH	- Back - Very High (80-90)	284	1%
Total Back Light		**9,538**	**36%**
UL	- Up Light - Low (90-100)	23	0%
UH	- Up Light - High (100-180)	121	0%
Total Up Light		**143**	**1%**
Total Lumens		**26,720**	**100%**

LEDMPALPRO200-4K-T3 (26,924 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



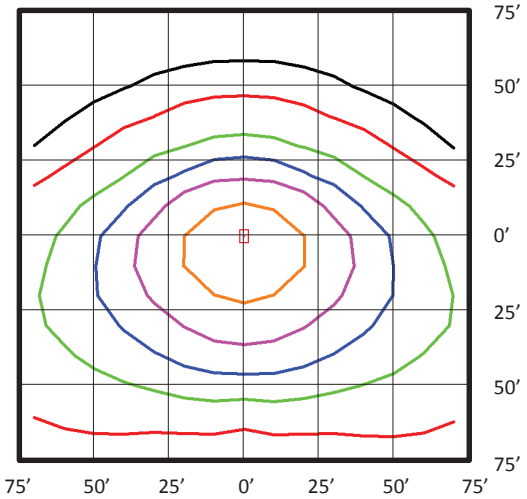
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

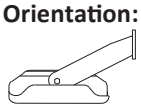
Zone		Lumens	%
FL	- Front - Low (0-30)	2,665	10%
FM	- Front - Medium (30-60)	9,003	33%
FH	- Front - High (60-80)	5,225	19%
FVH	- Front - Very High (80-90)	402	1%
Total Forward Light		**17,294**	**64%**
BL	- Back - Low (0-30)	1,900	7%
BM	- Back - Medium (30-60)	4,457	17%
BH	- Back - High (60-80)	2,988	11%
BVH	- Back - Very High (80-90)	170	1%
Total Back Light		**9,516**	**35%**
UL	- Up Light - Low (90-100)	19	0%
UH	- Up Light - High (100-180)	95	0%
Total Up Light		**114**	**0%**
Total Lumens		**26,924**	**100%**

LEDMPALPRO200-4K-T4 (26,329 Lumens, Type IV Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

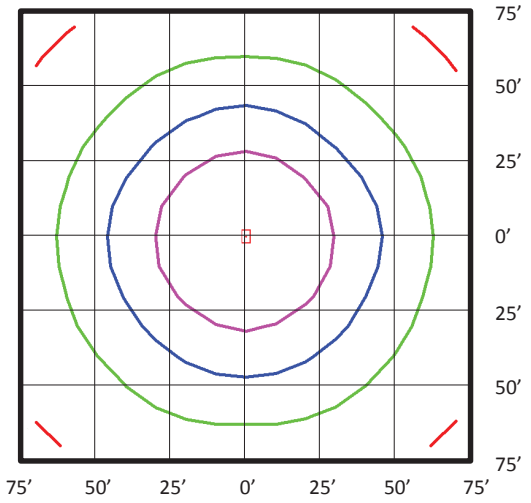
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B3-U3-G4

Zone		Lumens	%
FL	- Front - Low (0-30)	3,283	12%
FM	- Front - Medium (30-60)	8,316	32%
FH	- Front - High (60-80)	5,898	22%
FVH	- Front - Very High (80-90)	669	3%
Total Forward Light		**18,166**	**69%**
BL	- Back - Low (0-30)	2,305	9%
BM	- Back - Medium (30-60)	3,649	14%
BH	- Back - High (60-80)	1,885	7%
BVH	- Back - Very High (80-90)	181	1%
Total Back Light		**8,020**	**30%**
UL	- Up Light - Low (90-100)	23	0%
UH	- Up Light - High (100-180)	121	0%
Total Up Light		**144**	**1%**
Total Lumens		**26,329**	**100%**

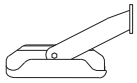
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO200-4K-T5 (26,442 Lumens, Type V Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



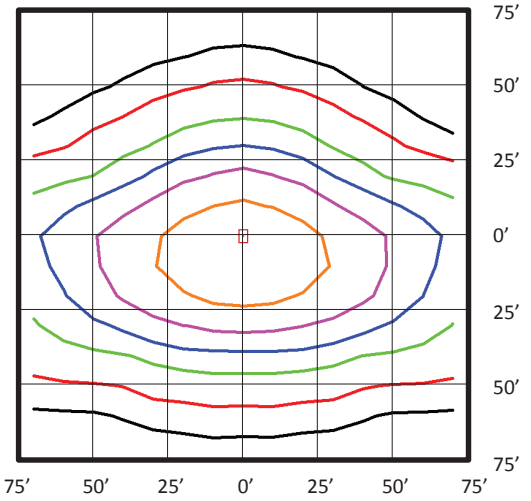
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

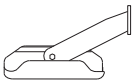
Zone		Lumens	%
FL	- Front - Low (0-30)	1,374	5%
FM	- Front - Medium (30-60)	5,326	20%
FH	- Front - High (60-80)	5,977	23%
FVH	- Front - Very High (80-90)	806	3%
Total Forward Light		**13,483**	**51%**
BL	- Back - Low (0-30)	1,324	5%
BM	- Back - Medium (30-60)	4,912	19%
BH	- Back - High (60-80)	5,635	21%
BVH	- Back - Very High (80-90)	927	4%
Total Back Light		**12,798**	**48%**
UL	- Up Light - Low (90-100)	32	0%
UH	- Up Light - High (100-180)	129	0%
Total Up Light		**161**	**1%**
Total Lumens		**26,442**	**100%**

LEDMPALPRO240-4K-T2 (30,714 Lumens, Type II Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



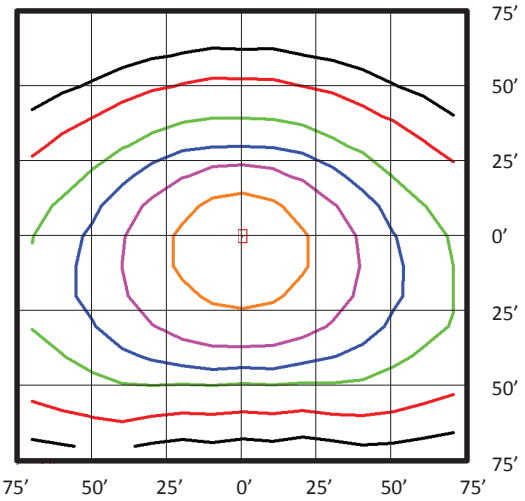
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G4

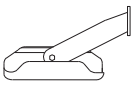
Zone		Lumens	%
FL	- Front - Low (0-30)	3,643	12%
FM	- Front - Medium (30-60)	10,507	34%
FH	- Front - High (60-80)	5,495	18%
FVH	- Front - Very High (80-90)	419	1%
Total Forward Light		**20,063**	**65%**
BL	- Back - Low (0-30)	2,421	8%
BM	- Back - Medium (30-60)	5,020	16%
BH	- Back - High (60-80)	2,955	10%
BVH	- Back - Very High (80-90)	255	1%
Total Back Light		**10,651**	**35%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**30,714**	**100%**

LEDMPALPRO240-4K-T3 (29,589 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

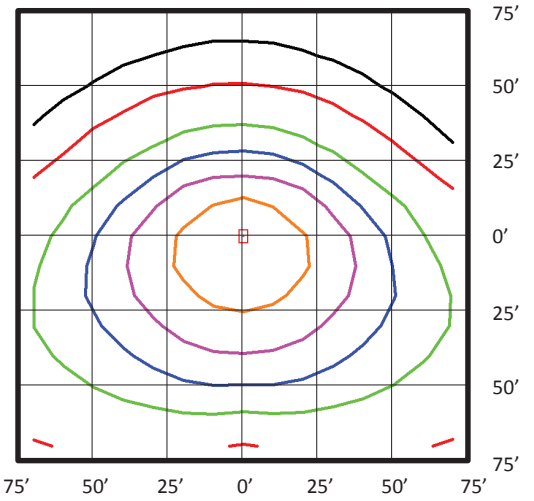
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G4

Zone		Lumens	%
FL	- Front - Low (0-30)	3,329	11%
FM	- Front - Medium (30-60)	9,480	32%
FH	- Front - High (60-80)	5,766	19%
FVH	- Front - Very High (80-90)	460	2%
Total Forward Light		**19,035**	**64%**
BL	- Back - Low (0-30)	2,613	9%
BM	- Back - Medium (30-60)	5,147	17%
BH	- Back - High (60-80)	2,613	9%
BVH	- Back - Very High (80-90)	181	1%
Total Back Light		**10,554**	**36%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**29,589**	**100%**

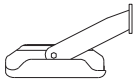
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO240-4K-T4 (30,439 Lumens, Type IV Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



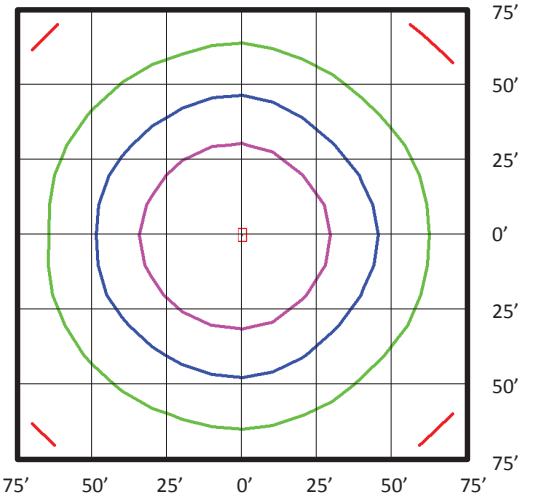
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G5

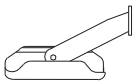
Zone		Lumens	%
FL	- Front - Low (0-30)	3,676	12%
FM	- Front - Medium (30-60)	9,633	32%
FH	- Front - High (60-80)	6,996	23%
FVH	- Front - Very High (80-90)	937	3%
Total Forward Light		**21,242**	**70%**
BL	- Back - Low (0-30)	2,566	8%
BM	- Back - Medium (30-60)	4,215	14%
BH	- Back - High (60-80)	2,185	7%
BVH	- Back - Very High (80-90)	232	1%
Total Back Light		**9,197**	**30%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**30,439**	**100%**

LEDMPALPRO240-4K-T5 (27,944 Lumens, Type V Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



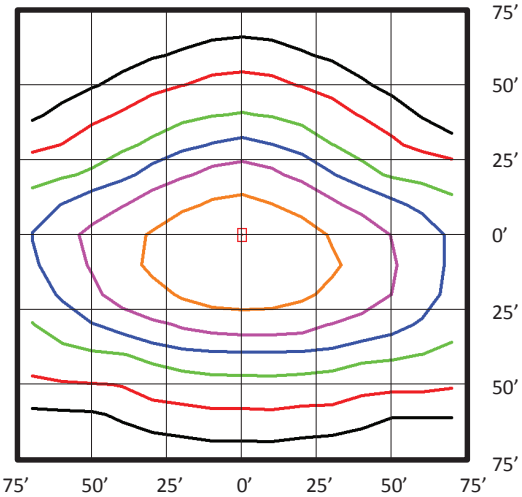
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U0-G5

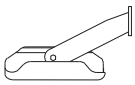
Zone		Lumens	%
FL	- Front - Low (0-30)	1,381	5%
FM	- Front - Medium (30-60)	5,510	20%
FH	- Front - High (60-80)	6,265	22%
FVH	- Front - Very High (80-90)	959	3%
Total Forward Light		**14,115**	**51%**
BL	- Back - Low (0-30)	1,361	5%
BM	- Back - Medium (30-60)	5,353	19%
BH	- Back - High (60-80)	6,116	22%
BVH	- Back - Very High (80-90)	999	4%
Total Back Light		**13,829**	**49%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**27,944**	**100%**

LEDMPALPRO280-4K-T2 (35,139 Lumens, Type II Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

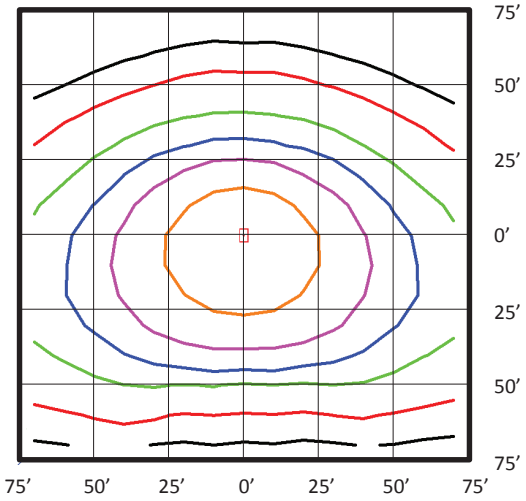
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G4

Zone		Lumens	%
FL	- Front - Low (0-30)	4,155	12%
FM	- Front - Medium (30-60)	12,409	35%
FH	- Front - High (60-80)	6,350	18%
FVH	- Front - Very High (80-90)	448	1%
Total Forward Light		**23,362**	**66%**
BL	- Back - Low (0-30)	2,674	8%
BM	- Back - Medium (30-60)	5,633	16%
BH	- Back - High (60-80)	3,204	9%
BVH	- Back - Very High (80-90)	266	1%
Total Back Light		**11,777**	**34%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**35,139**	**100%**

PHOTOMETRIC DATA – IES Roadway Distributions

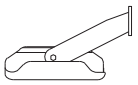
LEDMPALPRO280-4K-T3 (34,424 Lumens, Type III Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



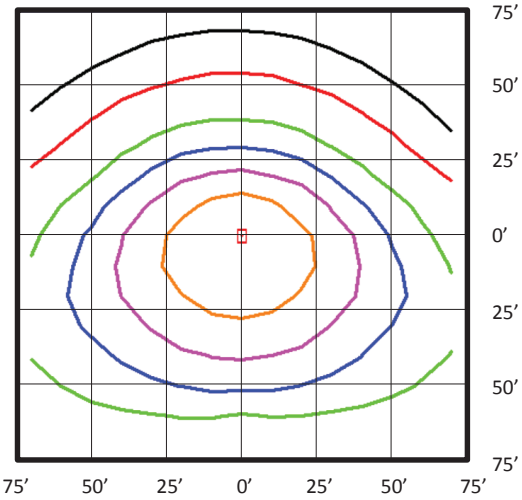
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G4

Zone		Lumens	%
FL	- Front - Low (0-30)	3,878	11%
FM	- Front - Medium (30-60)	11,130	32%
FH	- Front - High (60-80)	6,596	19%
FVH	- Front - Very High (80-90)	498	1%
Total Forward Light		**22,101**	**64%**
BL	- Back - Low (0-30)	3,019	9%
BM	- Back - Medium (30-60)	6,015	17%
BH	- Back - High (60-80)	3,081	9%
BVH	- Back - Very High (80-90)	208	1%
Total Back Light		**12,323**	**36%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**34,424**	**100%**

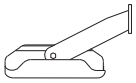
LEDMPALPRO280-4K-T4 (35,243 Lumens, Type IV Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



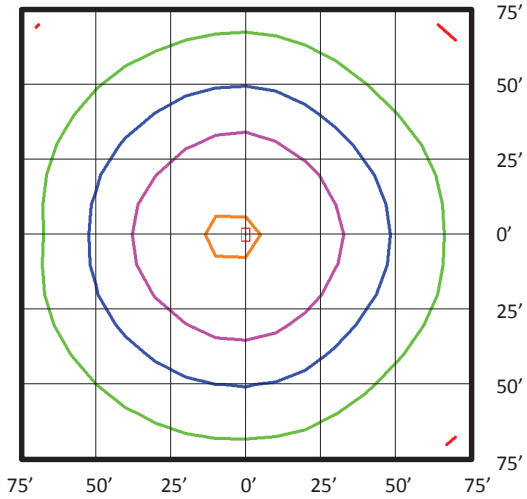
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U0-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	4,278	12%
FM	- Front - Medium (30-60)	11,186	32%
FH	- Front - High (60-80)	8,166	23%
FVH	- Front - Very High (80-90)	1,041	3%
Total Forward Light		**24,671**	**70%**
BL	- Back - Low (0-30)	2,952	8%
BM	- Back - Medium (30-60)	4,832	14%
BH	- Back - High (60-80)	2,524	7%
BVH	- Back - Very High (80-90)	265	1%
Total Back Light		**10,571**	**30%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**35,243**	**100%**

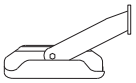
LEDMPALPRO280-4K-T5 (32,546 Lumens, Type V Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

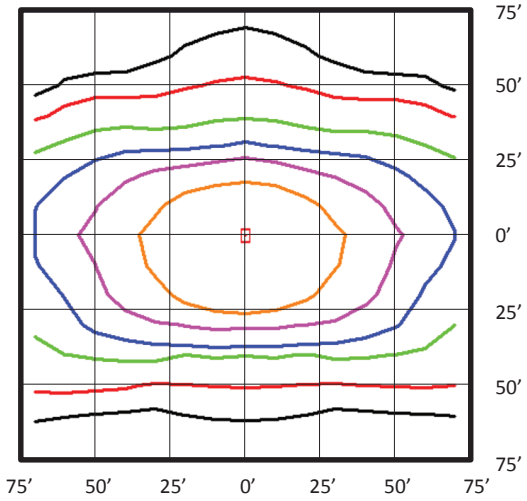
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U0-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	1,622	5%
FM	- Front - Medium (30-60)	6,459	20%
FH	- Front - High (60-80)	7,277	22%
FVH	- Front - Very High (80-90)	1,095	3%
Total Forward Light		**16,453**	**51%**
BL	- Back - Low (0-30)	1,595	5%
BM	- Back - Medium (30-60)	6,256	19%
BH	- Back - High (60-80)	7,090	22%
BVH	- Back - Very High (80-90)	1,152	4%
Total Back Light		**16,093**	**49%**
UL	- Up Light - Low (90-100)	0	0%
UH	- Up Light - High (100-180)	0	0%
Total Up Light		**0**	**0%**
Total Lumens		**32,546**	**100%**

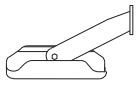
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO300-4K-T2 (44,469 Lumens, Type II Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



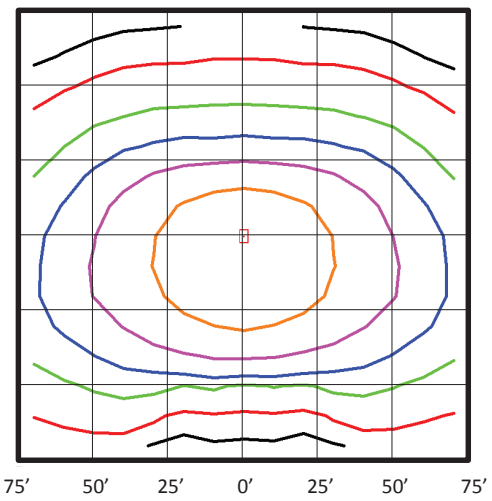
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

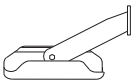
Zone		Lumens	%
FL	- Front - Low (0-30)	5,669	13%
FM	- Front - Medium (30-60)	13,331	30%
FH	- Front - High (60-80)	6,342	14%
FVH	- Front - Very High (80-90)	848	2%
Total Forward Light		**26,190**	**59%**
BL	- Back - Low (0-30)	4,257	10%
BM	- Back - Medium (30-60)	8,095	18%
BH	- Back - High (60-80)	5,225	12%
BVH	- Back - Very High (80-90)	516	1%
Total Back Light		**18,094**	**41%**
UL	- Up Light - Low (90-100)	32	0%
UH	- Up Light - High (100-180)	153	0%
Total Up Light		**185**	**0%**
Total Lumens		**44,469**	**100%**

LEDMPALPRO300-4K-T3 (44,615 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



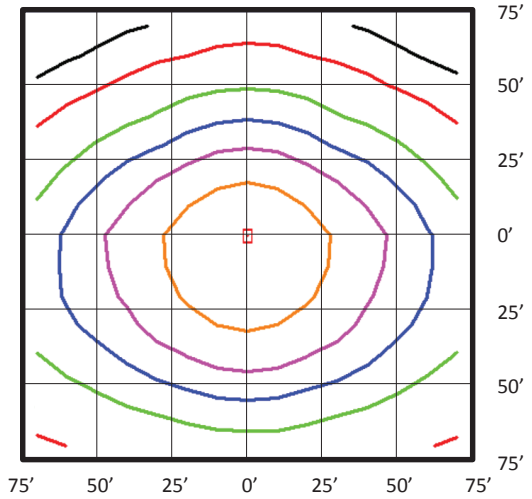
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

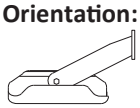
Zone		Lumens	%
FL	- Front - Low (0-30)	4,598	10%
FM	- Front - Medium (30-60)	14,735	33%
FH	- Front - High (60-80)	8,614	19%
FVH	- Front - Very High (80-90)	729	2%
Total Forward Light		**28,676**	**64%**
BL	- Back - Low (0-30)	3,294	7%
BM	- Back - Medium (30-60)	7,213	16%
BH	- Back - High (60-80)	4,913	11%
BVH	- Back - Very High (80-90)	317	1%
Total Back Light		**15,736**	**35%**
UL	- Up Light - Low (90-100)	34	0%
UH	- Up Light - High (100-180)	169	0%
Total Up Light		**203**	**0%**
Total Lumens		**44,615**	**100%**

LEDMPALPRO300-4K-T4 (43,014 Lumens, Type IV Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

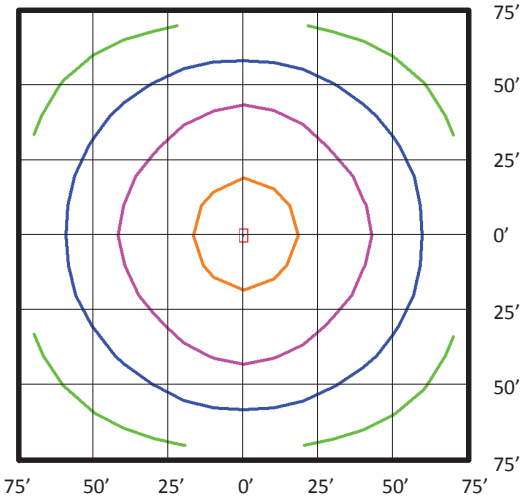
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	4,137	10%
FM	- Front - Medium (30-60)	13,208	31%
FH	- Front - High (60-80)	9,109	21%
FVH	- Front - Very High (80-90)	1,205	3%
Total Forward Light		**27,660**	**64%**
BL	- Back - Low (0-30)	3,192	7%
BM	- Back - Medium (30-60)	7,235	17%
BH	- Back - High (60-80)	4,323	10%
BVH	- Back - Very High (80-90)	408	1%
Total Back Light		**15,158**	**35%**
UL	- Up Light - Low (90-100)	35	0%
UH	- Up Light - High (100-180)	161	0%
Total Up Light		**196**	**0%**
Total Lumens		**43,014**	**100%**

PHOTOMETRIC DATA – IES Roadway Distributions

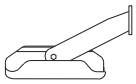
LEDMPALPRO300-4K-T5 (43,141 Lumens, Type V Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

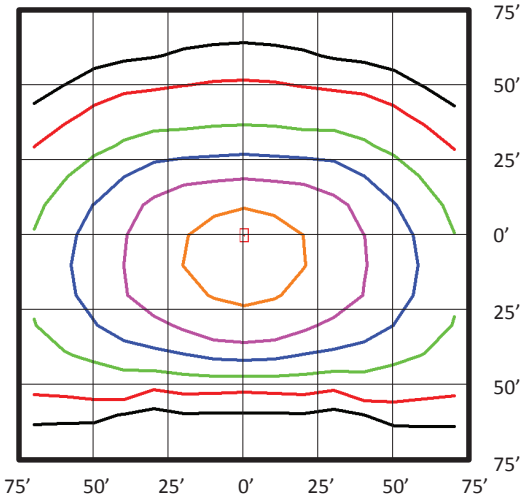
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	2,016	5%
FM	- Front - Medium (30-60)	8,123	19%
FH	- Front - High (60-80)	9,611	22%
FVH	- Front - Very High (80-90)	1,529	4%
Total Forward Light		**21,279**	**49%**
BL	- Back - Low (0-30)	2,036	5%
BM	- Back - Medium (30-60)	8,303	19%
BH	- Back - High (60-80)	9,750	23%
BVH	- Back - Very High (80-90)	1,546	4%
Total Back Light		**21,634**	**50%**
UL	- Up Light - Low (90-100)	46	0%
UH	- Up Light - High (100-180)	182	0%
Total Up Light		**229**	**1%**
Total Lumens		**43,141**	**100%**

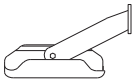
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO200-4K-T3-UNC (26,445 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:

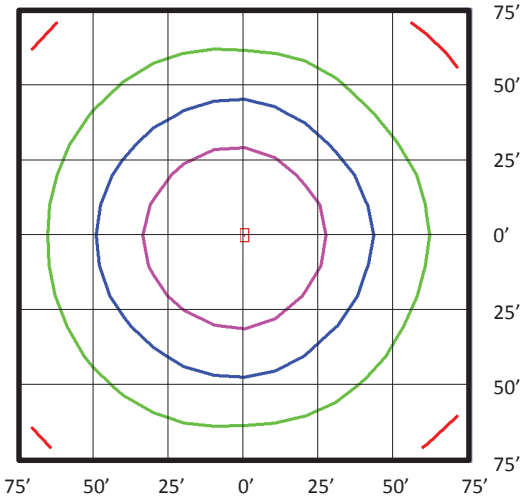


Notes:
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

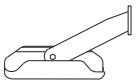
Zone		Lumens	%
FL	- Front - Low (0-30)	2,617	10%
FM	- Front - Medium (30-60)	8,830	33%
FH	- Front - High (60-80)	5,132	19%
FVH	- Front - Very High (80-90)	395	1%
Total Forward Light		**16,974**	**64%**
BL	- Back - Low (0-30)	1,869	7%
BM	- Back - Medium (30-60)	4,379	17%
BH	- Back - High (60-80)	2,938	11%
BVH	- Back - Very High (80-90)	168	1%
Total Back Light		**9,355**	**35%**
UL	- Up Light - Low (90-100)	19	0%
UH	- Up Light - High (100-180)	97	0%
Total Up Light		**116**	**0%**
Total Lumens		**26,445**	**100%**

LEDMPALPRO200-4K-T5-UNC (26,203 Lumens, Type V Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:

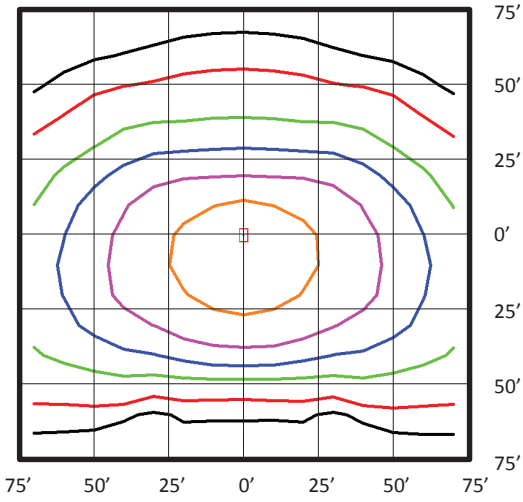


Notes:
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

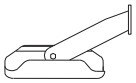
Zone		Lumens	%
FL	- Front - Low (0-30)	1,333	5%
FM	- Front - Medium (30-60)	5,237	20%
FH	- Front - High (60-80)	5,915	23%
FVH	- Front - Very High (80-90)	774	3%
Total Forward Light		**13,259**	**51%**
BL	- Back - Low (0-30)	1,312	5%
BM	- Back - Medium (30-60)	5,000	19%
BH	- Back - High (60-80)	5,688	22%
BVH	- Back - Very High (80-90)	787	3%
Total Back Light		**12,787**	**49%**
UL	- Up Light - Low (90-100)	32	0%
UH	- Up Light - High (100-180)	125	0%
Total Up Light		**157**	**1%**
Total Lumens		**26,203**	**100%**

LEDMPALPRO240-4K-T3-UNC (32,022 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



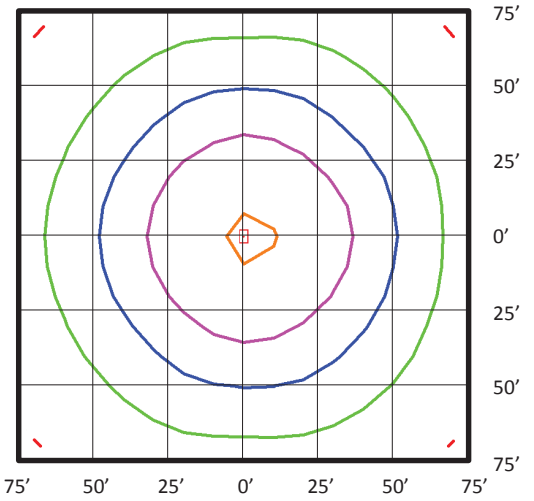
Notes:
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

Zone		Lumens	%
FL	- Front - Low (0-30)	3,168	10%
FM	- Front - Medium (30-60)	10,688	33%
FH	- Front - High (60-80)	6,214	19%
FVH	- Front - Very High (80-90)	479	1%
Total Forward Light		**20,549**	**64%**
BL	- Back - Low (0-30)	2,264	7%
BM	- Back - Medium (30-60)	5,303	17%
BH	- Back - High (60-80)	3,558	11%
BVH	- Back - Very High (80-90)	203	1%
Total Back Light		**11,328**	**35%**
UL	- Up Light - Low (90-100)	24	0%
UH	- Up Light - High (100-180)	121	0%
Total Up Light		**145**	**0%**
Total Lumens		**32,022**	**100%**

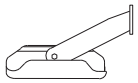
PHOTOMETRIC DATA – IES Roadway Distributions

LEDMPALPRO240-4K-T5-UNC (31,268 Lumens, Type V Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



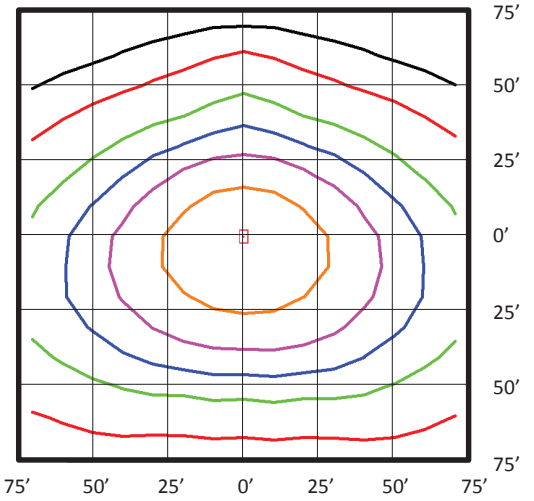
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

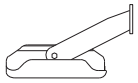
Zone		Lumens	%
FL	- Front - Low (0-30)	1,611	5%
FM	- Front - Medium (30-60)	6,266	20%
FH	- Front - High (60-80)	6,916	22%
FVH	- Front - Very High (80-90)	886	3%
Total Forward Light		**15,678**	**50%**
BL	- Back - Low (0-30)	1,597	5%
BM	- Back - Medium (30-60)	6,113	20%
BH	- Back - High (60-80)	6,786	22%
BVH	- Back - Very High (80-90)	906	3%
Total Back Light		**15,401**	**49%**
UL	- Up Light - Low (90-100)	37	0%
UH	- Up Light - High (100-180)	152	0%
Total Up Light		**189**	**1%**
Total Lumens		**31,268**	**100%**

LEDMPALPRO280-4K-T3-UNC (36,233 Lumens, Type III Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



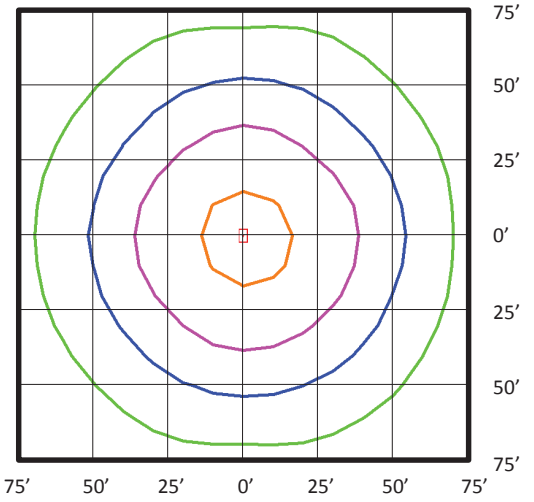
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G4

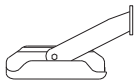
Zone		Lumens	%
FL	- Front - Low (0-30)	4,010	11%
FM	- Front - Medium (30-60)	11,296	31%
FH	- Front - High (60-80)	6,980	19%
FVH	- Front - Very High (80-90)	555	2%
Total Forward Light		**22,841**	**63%**
BL	- Back - Low (0-30)	3,076	8%
BM	- Back - Medium (30-60)	6,523	18%
BH	- Back - High (60-80)	3,409	9%
BVH	- Back - Very High (80-90)	229	1%
Total Back Light		**13,238**	**37%**
UL	- Up Light - Low (90-100)	25	0%
UH	- Up Light - High (100-180)	129	0%
Total Up Light		**154**	**0%**
Total Lumens		**36,233**	**100%**

LEDMPALPRO280-4K-T5-UNC (36,417 Lumens, Type V Distribution)



Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

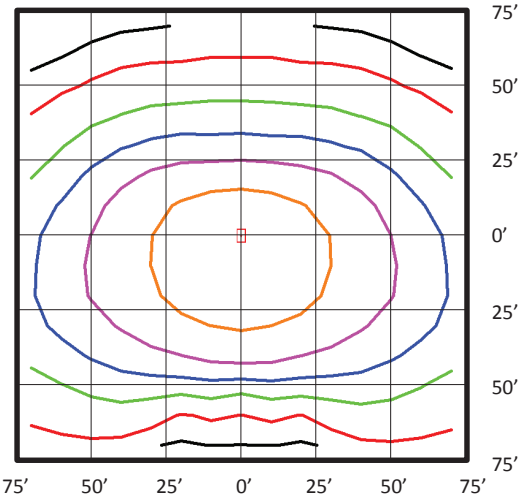
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	1,922	5%
FM	- Front - Medium (30-60)	7,330	20%
FH	- Front - High (60-80)	8,010	22%
FVH	- Front - Very High (80-90)	1,273	3%
Total Forward Light		**18,535**	**51%**
BL	- Back - Low (0-30)	1,879	5%
BM	- Back - Medium (30-60)	6,962	19%
BH	- Back - High (60-80)	7,798	21%
BVH	- Back - Very High (80-90)	1,052	3%
Total Back Light		**17,692**	**49%**
UL	- Up Light - Low (90-100)	39	0%
UH	- Up Light - High (100-180)	151	0%
Total Up Light		**190**	**1%**
Total Lumens		**36,417**	**100%**

PHOTOMETRIC DATA – IES Roadway Distributions

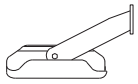
LEDMPALPRO300-4K-T3-UNC (45,356 Lumens, Type III Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



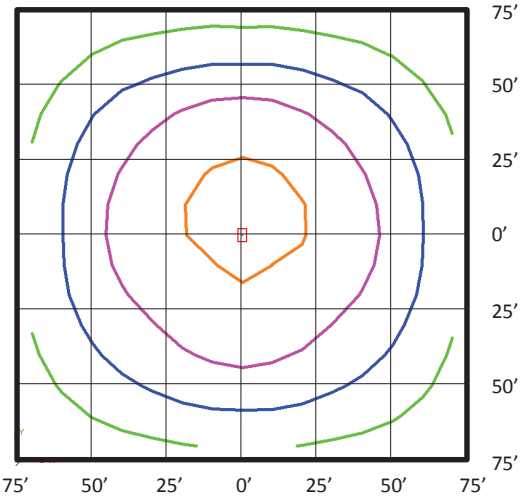
Notes:

- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B4-U3-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	4,424	10%
FM	- Front - Medium (30-60)	14,724	32%
FH	- Front - High (60-80)	9,376	21%
FVH	- Front - Very High (80-90)	882	2%
Total Forward Light		**29,405**	**65%**
BL	- Back - Low (0-30)	3,223	7%
BM	- Back - Medium (30-60)	7,279	16%
BH	- Back - High (60-80)	4,928	11%
BVH	- Back - Very High (80-90)	308	1%
Total Back Light		**15,738**	**35%**
UL	- Up Light - Low (90-100)	38	0%
UH	- Up Light - High (100-180)	175	0%
Total Up Light		**213**	**0%**
Total Lumens		**45,356**	**100%**

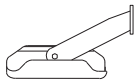
LEDMPALPRO300-4K-T5-UNC (44,191 Lumens, Type V Distribution)



Foot Candles

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

Luminaire Orientation:



Notes:

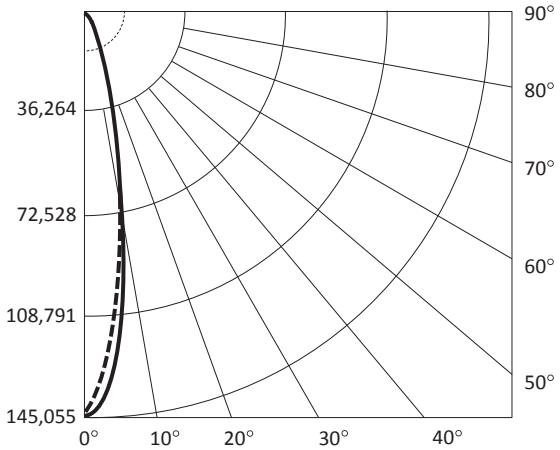
- *Isofootcandle plots depict initial footcandles at grade.*
- *Gridlines represent units of mounting height of 25 feet.*

BUG Rating: B5-U3-G5

Zone		Lumens	%
FL	- Front - Low (0-30)	1,809	4%
FM	- Front - Medium (30-60)	8,375	19%
FH	- Front - High (60-80)	9,863	22%
FVH	- Front - Very High (80-90)	1,457	3%
Total Forward Light		**21,504**	**49%**
BL	- Back - Low (0-30)	1,904	4%
BM	- Back - Medium (30-60)	9,762	22%
BH	- Back - High (60-80)	9,717	22%
BVH	- Back - Very High (80-90)	1,063	2%
Total Back Light		**22,446**	**51%**
UL	- Up Light - Low (90-100)	54	0%
UH	- Up Light - High (100-180)	187	0%
Total Up Light		**241**	**1%**
Total Lumens		**44,191**	**100%**

PHOTOMETRIC DATA – NEMA Floodlight Distributions

LEDMPALPRO200-4K-3H3V (29,527 Lumens, Very Narrow)



Maximum Candela = 140,055

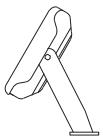
Horizontal Vertical

NEMA Floodlight Data

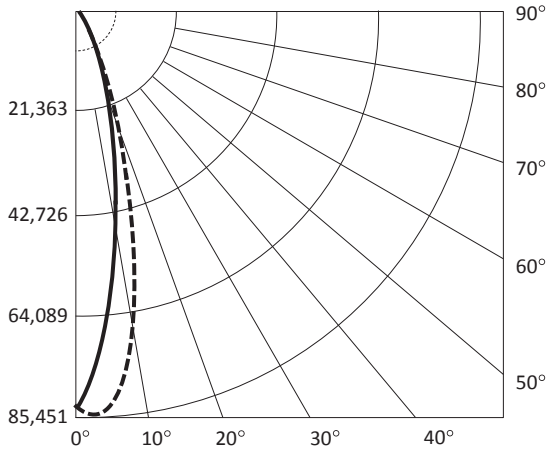
Field Angles:
- Horizontal 41°
- Vertical 42°

NEMA Type:
- Horizontal 3H
- Vertical 3V

Luminaire Orientation:



LEDMPALPRO200-4K-4H4V (29,096 Lumens, Medium Narrow)



Maximum Candela = 85,451

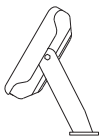
Horizontal Vertical

NEMA Floodlight Data

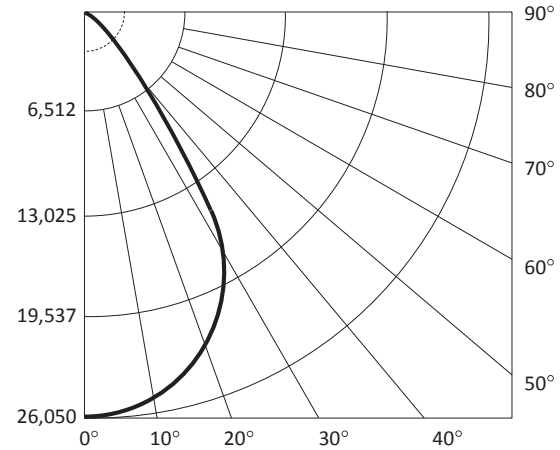
Field Angles:
- Horizontal 52°
- Vertical 53°

NEMA Type:
- Horizontal 4H
- Vertical 4V

Luminaire Orientation:



LEDMPALPRO200-4K-5H5V (27,271 Lumens, Medium Wide)



Maximum Candela = 26,050

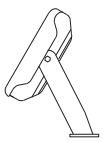
Horizontal Vertical

NEMA Floodlight Data

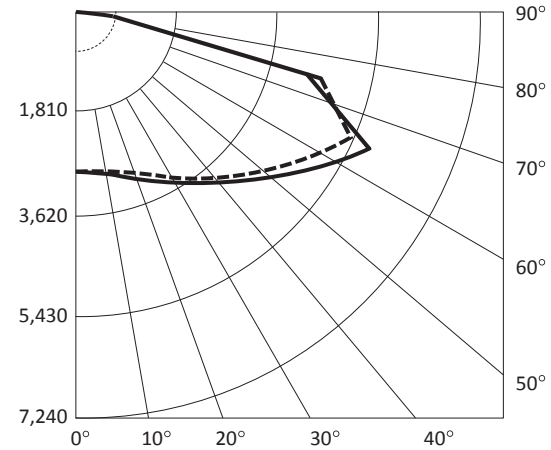
Field Angles:
- Horizontal 84°
- Vertical 84°

NEMA Type:
- Horizontal 5H
- Vertical 5V

Luminaire Orientation:



LEDMPALPRO200-4K-7H7V (26,442 Lumens, Very Wide)



Maximum Candela = 7,240

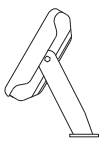
Horizontal Vertical

NEMA Floodlight Data

Field Angles:
- Horizontal 149°
- Vertical 175°

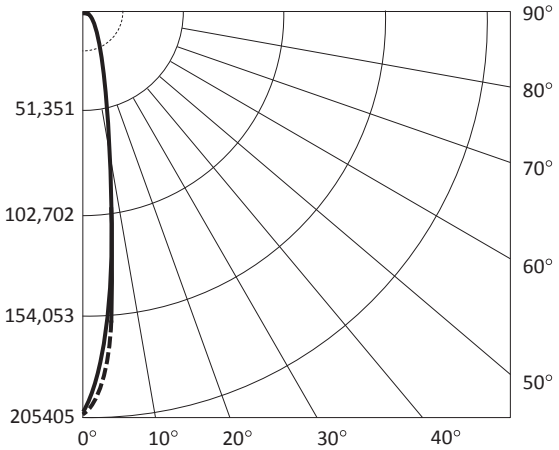
NEMA Type:
- Horizontal 7H
- Vertical 7V

Luminaire Orientation:



PHOTOMETRIC DATA – NEMA Floodlight Distributions

LEDMPALPRO240-4K-3H3V (31,106 Lumens, Very Narrow)



Maximum Candela = 205,405

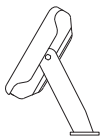
Horizontal Vertical

NEMA Floodlight Data

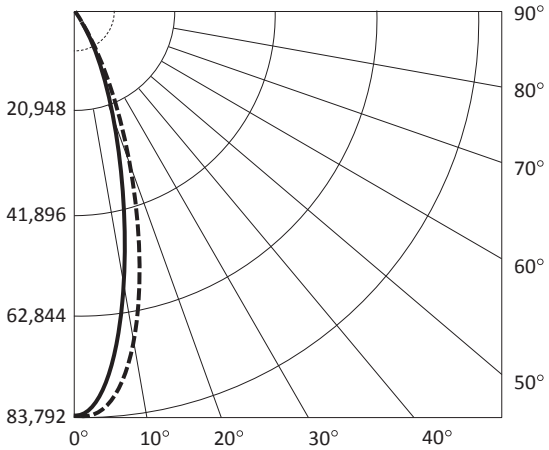
Field Angles:
- Horizontal 36°
- Vertical 38°

NEMA Type:
- Horizontal 3H
- Vertical 3V

Luminaire Orientation:



LEDMPALPRO240-4K-4H4V (31,071 Lumens, Medium Narrow)



Maximum Candela = 83,792

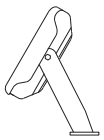
Horizontal Vertical

NEMA Floodlight Data

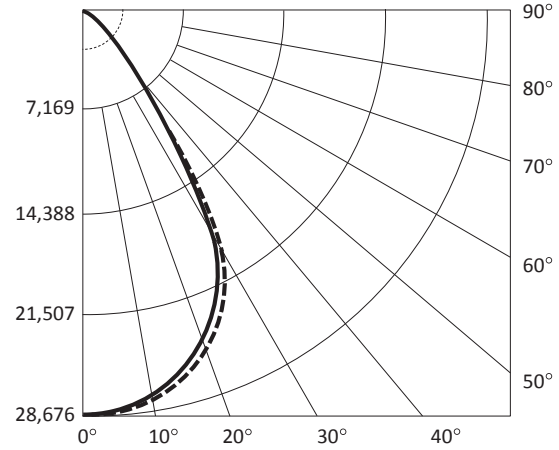
Field Angles:
- Horizontal 55°
- Vertical 57°

NEMA Type:
- Horizontal 4H
- Vertical 4V

Luminaire Orientation:



LEDMPALPRO240-4K-5H5V (30,937 Lumens, Medium Wide)



Maximum Candela = 28,676

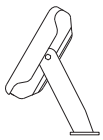
Horizontal Vertical

NEMA Floodlight Data

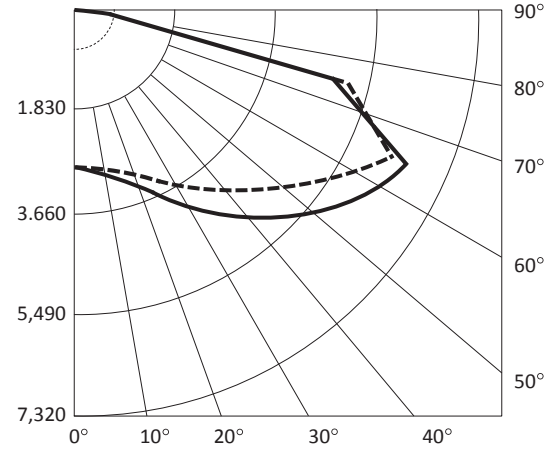
Field Angles:
- Horizontal 84°
- Vertical 84°

NEMA Type:
- Horizontal 5H
- Vertical 5V

Luminaire Orientation:



LEDMPALPRO240-4K-7H7V (27,944 Lumens, Very Wide)



Maximum Candela = 7,320

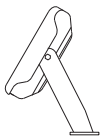
Horizontal Vertical

NEMA Floodlight Data

Field Angles:
- Horizontal 164°
- Vertical 173°

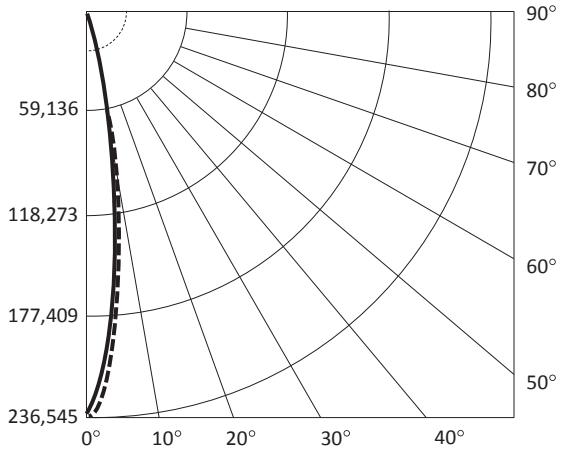
NEMA Type:
- Horizontal 7H
- Vertical 7V

Luminaire Orientation:



PHOTOMETRIC DATA – NEMA Floodlight Distributions

LEDMPALPRO280-4K-3H3V (36,166 Lumens, Very Narrow)



Maximum Candela = 236,545

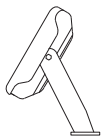
Horizontal Vertical

NEMA Floodlight Data

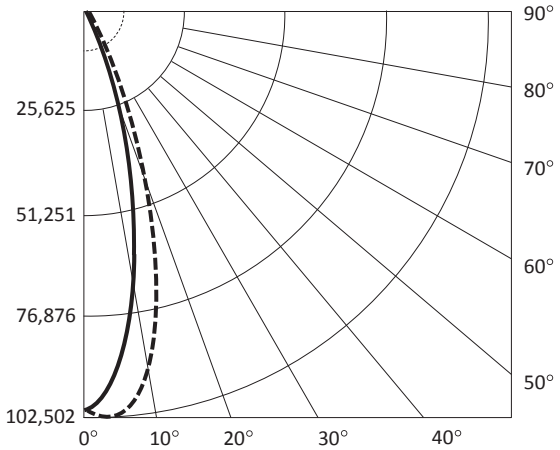
Field Angles:
- Horizontal 36°
- Vertical 38°

NEMA Type:
- Horizontal 3H
- Vertical 3V

Luminaire Orientation:



LEDMPALPRO280-4K-4H4V (36,016 Lumens, Medium Narrow)



Maximum Candela = 102,502

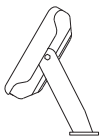
Horizontal Vertical

NEMA Floodlight Data

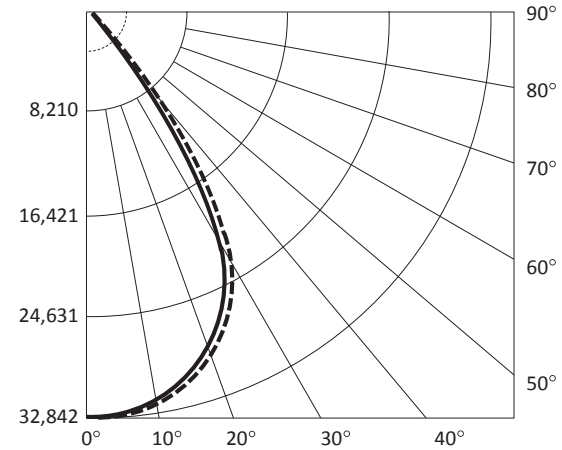
Field Angles:
- Horizontal 55°
- Vertical 56°

NEMA Type:
- Horizontal 4H
- Vertical 4V

Luminaire Orientation:



LEDMPALPRO280-4K-5H5V (35,849 Lumens, Medium Wide)



Maximum Candela = 32,842

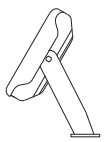
Horizontal Vertical

NEMA Floodlight Data

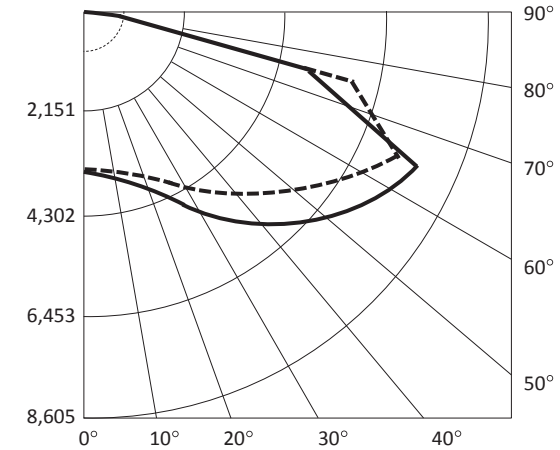
Field Angles:
- Horizontal 85°
- Vertical 85°

NEMA Type:
- Horizontal 5H
- Vertical 5V

Luminaire Orientation:



LEDMPALPRO280-4K-7H7V (32,546 Lumens, Very Wide)



Maximum Candela = 8,605

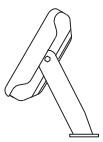
Horizontal Vertical

NEMA Floodlight Data

Field Angles:
- Horizontal 163°
- Vertical 171°

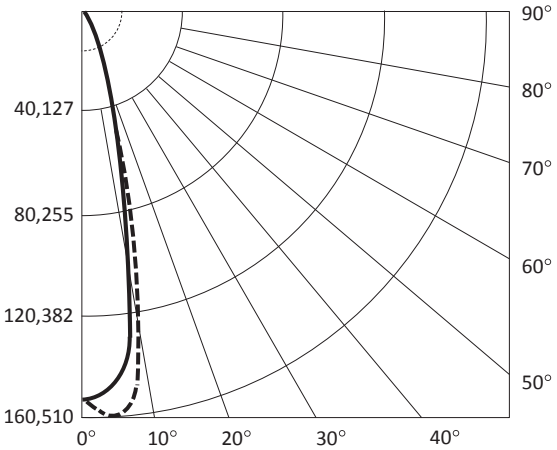
NEMA Type:
- Horizontal 7H
- Vertical 7V

Luminaire Orientation:



PHOTOMETRIC DATA – NEMA Floodlight Distributions

LEDMPALPRO300-4K-3H3V (45,471 Lumens, Very Narrow)



Maximum Candela = 160,510

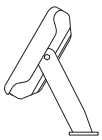
Horizontal Vertical

NEMA Floodlight Data

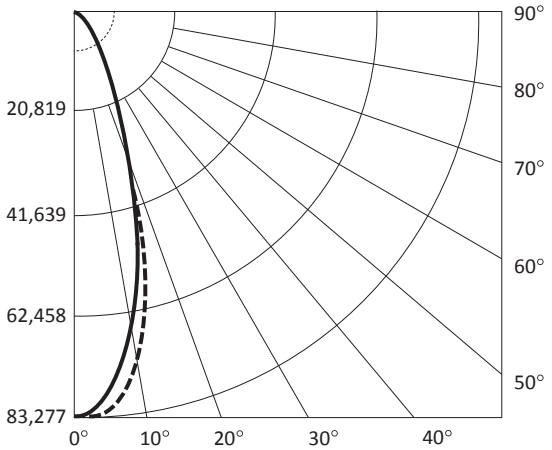
Field Angles:
- Horizontal 41°
- Vertical 43°

NEMA Type:
- Horizontal 3H
- Vertical 3V

Luminaire Orientation:



LEDMPALPRO300-4K-4H4V (45,287 Lumens, Medium Narrow)



Maximum Candela = 83,277

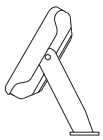
Horizontal Vertical

NEMA Floodlight Data

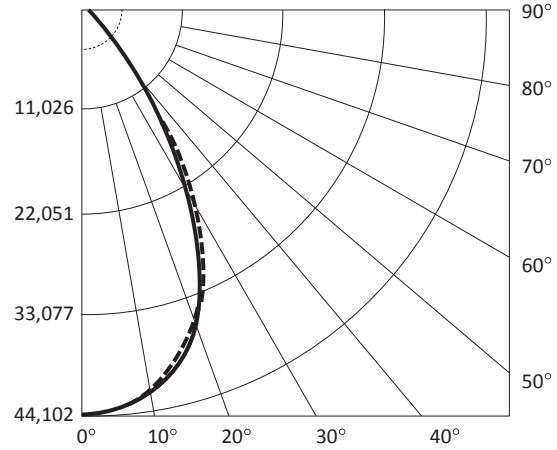
Field Angles:
- Horizontal 62°
- Vertical 63°

NEMA Type:
- Horizontal 4H
- Vertical 4V

Luminaire Orientation:



LEDMPALPRO300-4K-5H5V (48,245 Lumens, Medium Wide)



Maximum Candela = 44,102

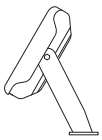
Horizontal Vertical

NEMA Floodlight Data

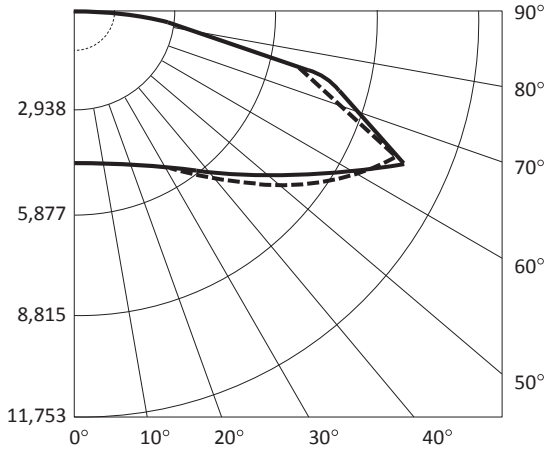
Field Angles:
- Horizontal 97°
- Vertical 98°

NEMA Type:
- Horizontal 5H
- Vertical 5V

Luminaire Orientation:



LEDMPALPRO300-4K-7H7V (43,141 Lumens, Very Wide)

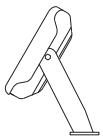


Maximum Candela = 11,753

Horizontal Vertical

NEMA Floodlight Data

Field Angles:
- Horizontal 165°
- Vertical 175°

NEMA Type:
- Horizontal 7H
- Vertical 7V

Luminaire Orientation: