

# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



Project:	
Type:	
Catalog #:	

## STANDARD



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.

## FEATURES

- Available in 4000k (neutral white) and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 372,000 hours of operation with at least 70% of initial lumen output ( $L_{70}$ ).\*\*
- Available models provide from 27,944 to 36,542 lumens, and from 117 to 131 lumens per watt (LPW).\*
- IES roadway photometric distributions include types II-V.
- NEMA floodlight distributions include very narrow (3H x 3V), medium narrow (4H x 4V), medium wide (5H x 5V) & very wide (7H x 7V).
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 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 NEMA photocell installation kit provides watertight photocell attachment to driver enclosure clover.
- Die cast aluminum housing with durable, dark bronze powder coat finish—at least 2 mils thick on all surfaces—and a heat-resistant polycarbonate lens.
- Driver enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are:
  - Front = 0.32 square feet
  - Side = 0.45 square feet
  - Face = 1.91 square feet
- Easy installation in new construction or retrofit applications.

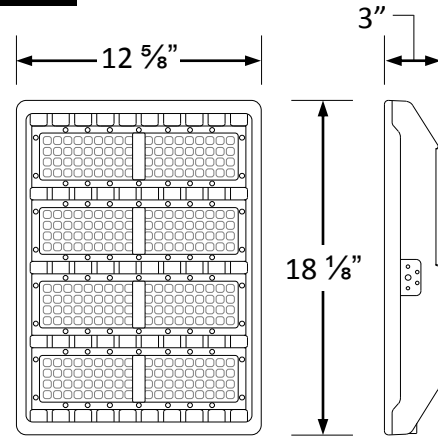
\* Contact factory for other color temperatures and lumen packages.  
 \*\*  $L_{70}$  hours are IES TM-21-11 calculated hours.



## 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 IEEE 1789-2015 (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.

## DIMENSIONS



Weight: 11.7 lbs. (240W) & 11.9 lbs. (280W)

## ORDERING INFORMATION

Example: LEDMPALPRO240-4K + LEDMPALPRO-YK-240/280 + LEDMPALPRO240/280-FGS + LEDMPALPRO240/280-WG  
 Premium-performance multi-purpose area luminaire, 240 watt, 4000k, yoke mounting bracket, full glare shield & wire guard

Model	Color Temperature	Mounting Brackets (Order Separately)	Shields, Wire Guards & NEMA Photocell Kit (Order Separately)
LEDMPALPRO240	4K = 4000k	LEDMPALPRO-YK-240/280 = Yoke Bracket, 240-080W	LEDMPALPRO240/280-FGS = Full Glare Shield, 240 – 280W
LEDMPALPRO280	5K = 5000k	LEDMPALPRO-TR-80/280 = Trunnion Bracket, 80-280W	LEDMPALPRO240/280-HGS = Half Glare Shield, 240 – 280W
		LEDMPALPRO-ARM-80/280 = Arm Bracket, 80-280W	LEDMPALPRO240/280-WG = Wire Guard, 240 – 280W
		LEDMPALPRO-SF-80/280 = Slip-Fitter Bracket, 80-280W	LEDMPALPRO-PCKIT-80/280 = NEMA Photocell Installation Kit, 80 – 280W
		LEDMPALPRO-WMB-80/280 = Wall bracket, 80-280W	
		LEDMPALPRO-WMB90-80/280 = Wall bracket, 90°, 80-280W	
		LEDMPALPRO-D180BH-80/280 = Double Bullhorn, 180°, 80-280W	
		LEDMPALPRO-T180BH-80/280 = Triple Bullhorn, 180°, 80-280W	
		LEDMPALPRO-Q180BH-80/280 = Quadruple Bullhorn, 180°, 80-280W	

# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## ELECTRICAL DATA

Model	Color Temp.	CRI <sup>1</sup>	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage <sup>2</sup>	Input Current (A)			Power Factor	THD <sup>3</sup>	L <sub>70</sub> Hours <sup>4</sup>
							120V	240V	277V			
<b>IES Roadway Distributions<sup>5</sup></b>												
LEDMPALPRO240-4K-T2	4000k	> 80	30,714	239	128.5	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T2	5000k	> 80	31,093	239	130.1	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T3	4000k	> 80	29,589	239	123.8	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T3	5000k	> 80	29,926	239	125.2	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T4	4000k	> 80	30,439	239	127.4	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T4	5000k	> 80	30,751	239	128.7	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-T5	4000k	> 80	27,944	239	116.9	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-T5	5000k	> 80	28,410	239	118.9	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
<b>NEMA Floodlight Distributions<sup>6</sup></b>												
LEDMPALPRO240-4K-VN	4000k	> 80	31,106	239	130.2	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-VN	5000k	> 80	31,357	239	131.2	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-MN	4000k	> 80	31,071	239	130.0	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-MN	5000k	> 80	31,344	239	131.1	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-MW	4000k	> 80	30,937	239	129.4	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-MW	5000k	> 80	31,243	239	130.7	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-4K-VW	4000k	> 80	27,944	239	116.9	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO240-5K-VW	5000k	> 80	28,410	239	118.9	120-277	1.99	1.00	0.86	> 90%	< 20%	372,000
LEDMPALPRO280-4K-VN	4000k	> 80	36,166	279	129.6	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-VN	5000k	> 80	36,542	279	131.0	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-MN	4000k	> 80	36,016	279	129.1	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-MN	5000k	> 80	36,347	279	130.3	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-MW	4000k	> 80	35,849	279	128.5	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-MW	5000k	> 80	36,224	279	129.8	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-4K-VW	4000k	> 80	32,546	279	116.7	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000
LEDMPALPRO280-5K-VW	5000k	> 80	32,956	279	118.1	120-277	2.33	1.16	1.01	> 90%	< 20%	372,000

<sup>1</sup> Color rendering index.

<sup>2</sup> All 50-60Hz.

<sup>3</sup> Total harmonic distortion.

<sup>4</sup> L<sub>70</sub> refers to the number of hours at which lumen output declines to 70% of the initial level. L<sub>70</sub> hours are IES TM-21-11 calculated hours.

<sup>5</sup> T2 = type II, T3 = type III, T4 = type IV, and T5 = type V.

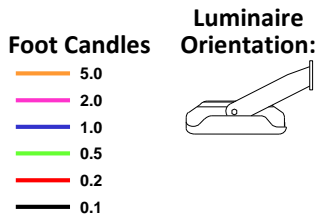
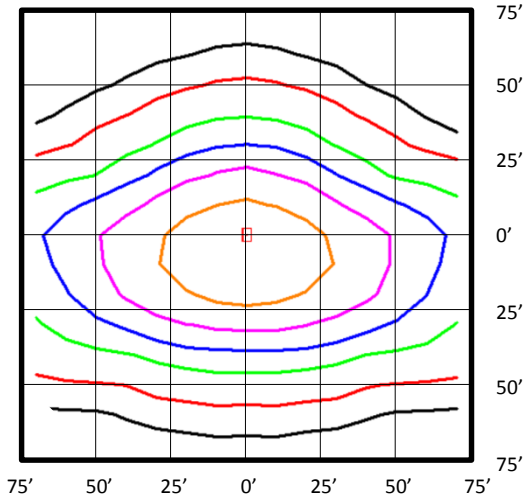
<sup>6</sup> VN = very narrow, MN = medium narrow, MW = medium wide, and VW = very wide.

# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## PHOTOMETRIC DATA – IES Roadway Distributions

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

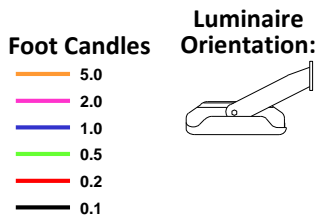
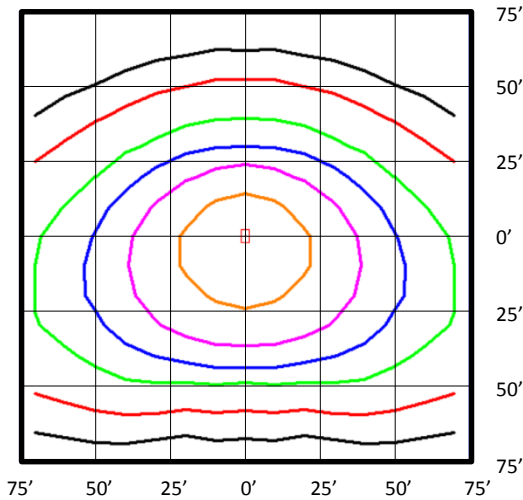


- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

### 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%
<b>Total Forward Light</b>	<b>20,063</b>	<b>65%</b>
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%
<b>Total Back Light</b>	<b>10,651</b>	<b>35%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>30,714</b>	<b>100%</b>

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

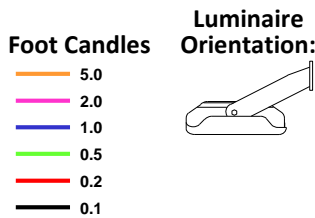
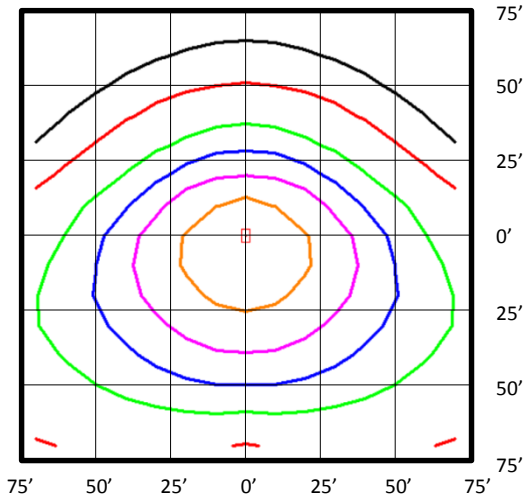


- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

### 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%
<b>Total Forward Light</b>	<b>19,035</b>	<b>64%</b>
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%
<b>Total Back Light</b>	<b>10,554</b>	<b>36%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>29,589</b>	<b>100%</b>

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



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

### BUG Rating: B2-U0-G3

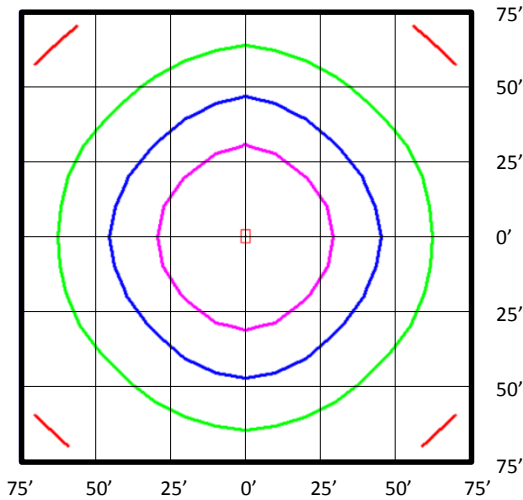
Zone	Lumens	%
FL - Front - Low (0-30)	3,676	12%
FM - Front - Medium (30-60)	9,633	32%
FH - Front - High (60-80)	6,996	23%
FVH - Front - Very High (80-90)	937	3%
<b>Total Forward Light</b>	<b>21,242</b>	<b>70%</b>
BL - Back - Low (0-30)	2,566	8%
BM - Back - Medium (30-60)	4,215	14%
BH - Back - High (60-80)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

# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## PHOTOMETRIC DATA – IES Roadway Distributions (continued)

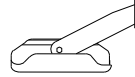
### LEDMPALPRO240-4K-T5 (27,944 Lumens, Type V Distribution)



#### Foot Candles

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

#### Luminaire Orientation:



#### Notes:

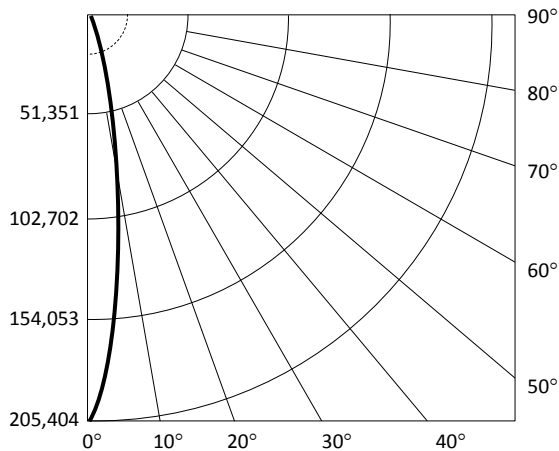
- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 25 feet.

#### BUG Rating: B3-U0-G3

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%
<b>Total Forward Light</b>	<b>14,115</b>	<b>51%</b>
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%
<b>Total Back Light</b>	<b>13,829</b>	<b>49%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>27,944</b>	<b>100%</b>

## PHOTOMETRIC DATA – NEMA Floodlight Distributions

### LEDMPALPRO240-4K-VN (31,106 Lumens, Very Narrow)



Maximum Candela = 205,404

- Horizontal
- - - Vertical

#### NEMA Floodlight Data

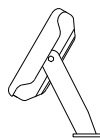
##### Field Angles:

- Horizontal 36°
- Vertical 38°

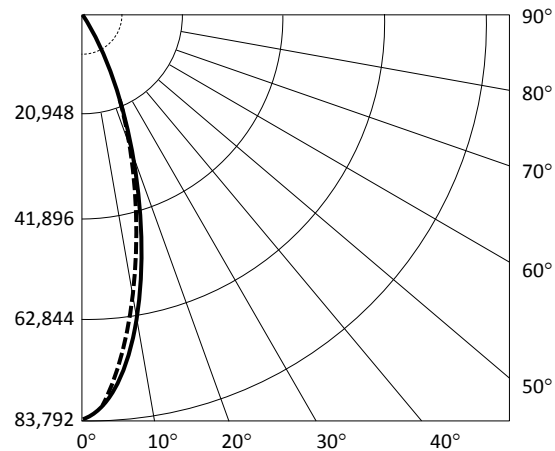
##### NEMA Type:

- Horizontal 3H
- Vertical 3V

#### Luminaire Orientation:



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



Maximum Candela = 83,792

- Horizontal
- - - Vertical

#### NEMA Floodlight Data

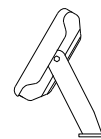
##### Field Angles:

- Horizontal 55°
- Vertical 57°

##### NEMA Type:

- Horizontal 4H
- Vertical 4V

#### Luminaire Orientation:

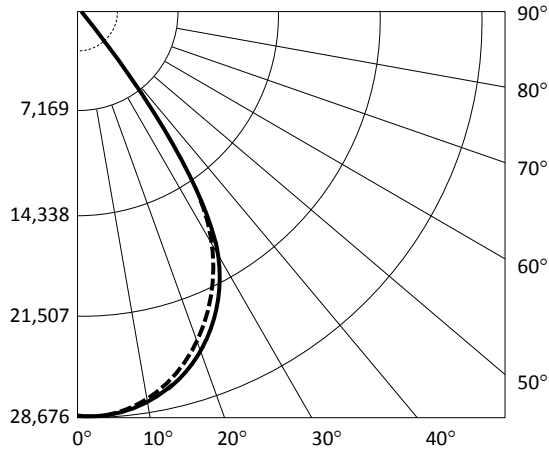


# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## PHOTOMETRIC DATA – NEMA Floodlight Distributions (continued)

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



Maximum Candela = 28,676

— Horizontal  
- - - Vertical

**NEMA Floodlight Data**

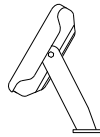
*Field Angles:*

- Horizontal 84°
- Vertical 84°

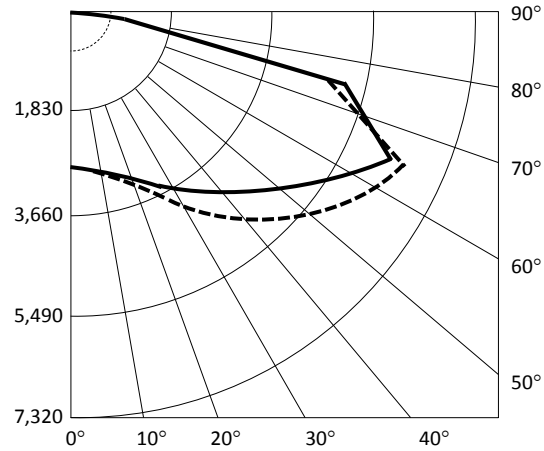
*NEMA Type:*

- Horizontal 5H
- Vertical 5V

**Luminaire Orientation:**



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



Maximum Candela = 7,320

— Horizontal  
- - - Vertical

**NEMA Floodlight Data**

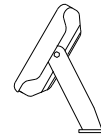
*Field Angles:*

- Horizontal 164°
- Vertical 173°

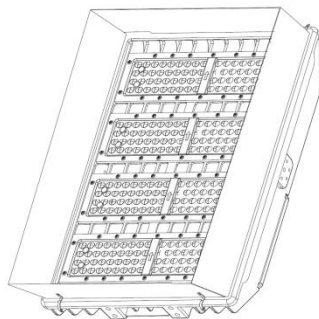
*NEMA Type:*

- Horizontal 7H
- Vertical 7V

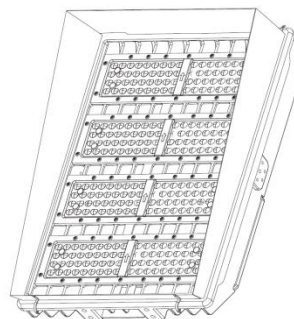
**Luminaire Orientation:**



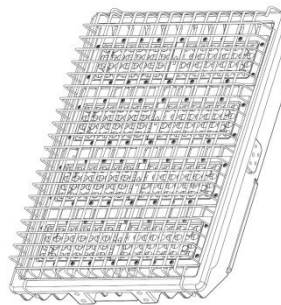
## SHIELDS, WIRE GUARDS & NEMA PHOTOCELL INSTALLATION KIT



**Full Shield**  
(LEDMPALPRO240/280-FGS)



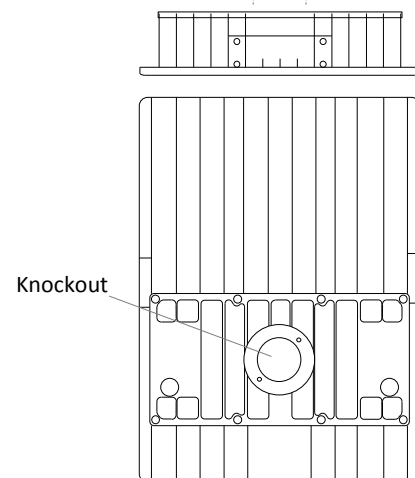
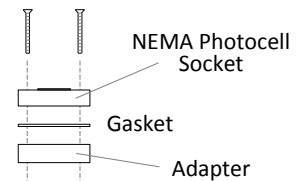
**Half Shield**  
(LEDMPALPRO240/280-HGS)



**Wire Guard**  
(LEDMPALPRO240/280-WG)

### NEMA Photocell Installation Kit

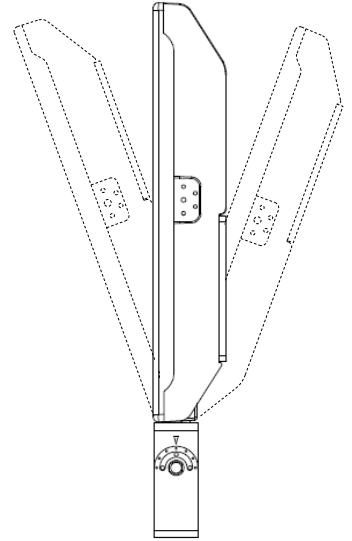
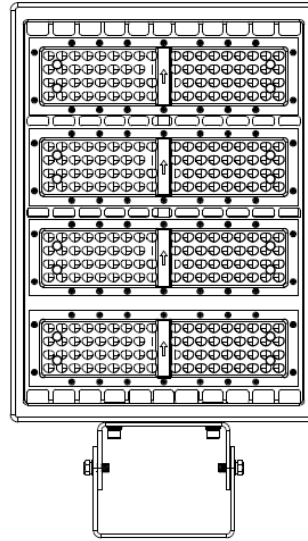
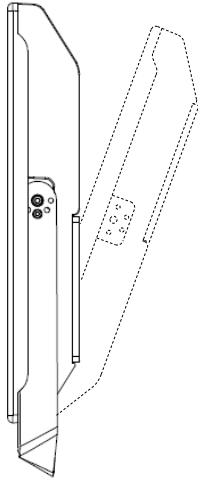
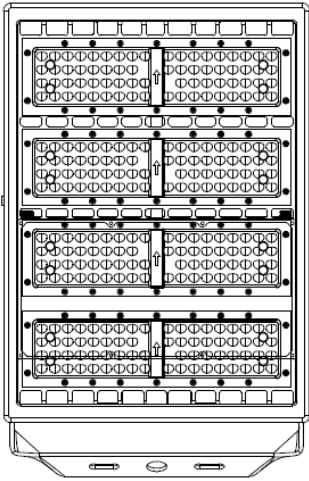
(LEDMPALPRO-PCKIT-80/280)



# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## MOUNTING ACCESSORIES

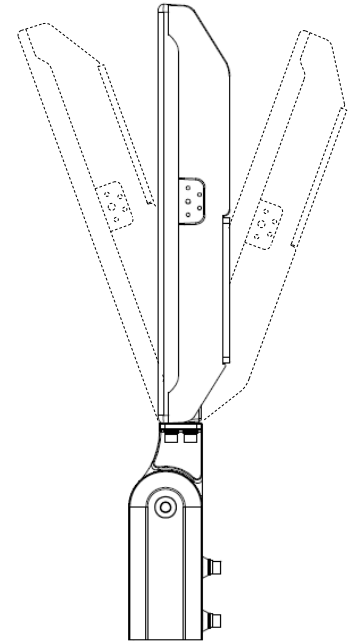
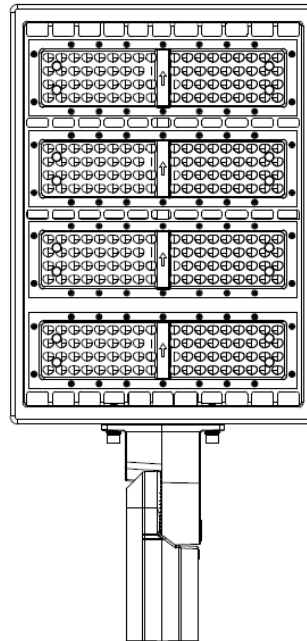
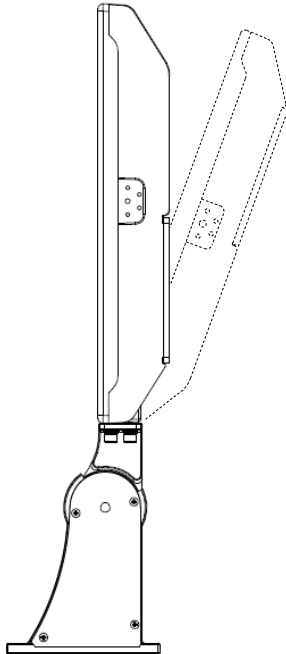
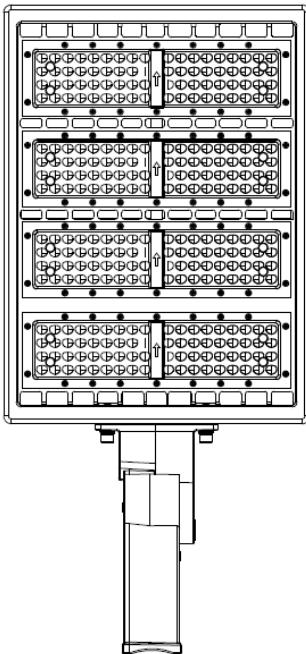


### Yoke Mount

LEDMPALPRO-YK-240/280

### Trunnion Mount

LEDMPALPRO-TR-80/280



### Adjustable Arm Mount

LEDMPALPRO-ARM-80/280

### Slip-Fitter Mount

LEDMPALPRO-SF-80/280

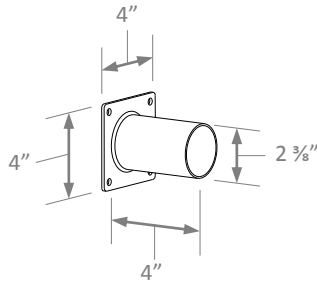
# LEDMPALPRO240-280 240-280 Watt, Premium Multi-Purpose LED Area Luminaire



## MOUNTING ACCESSORIES

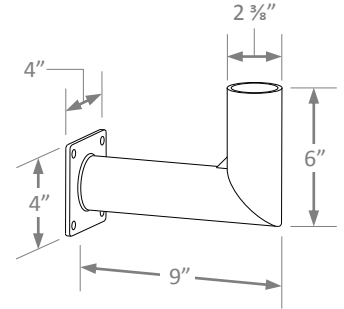
### Wall Mount Bracket

LEDMPALPRO-WMB-80/280



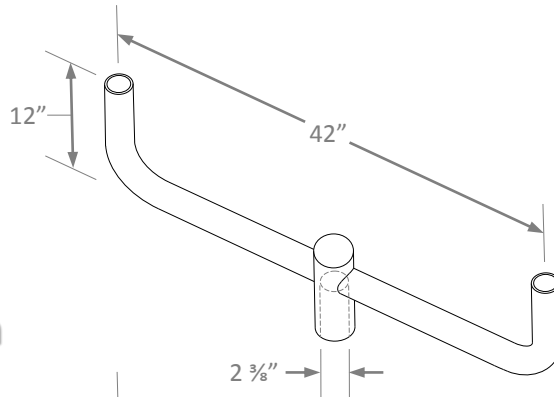
### Wall Mount Bracket, 90°

LEDMPALPRO-WMB90-80/280



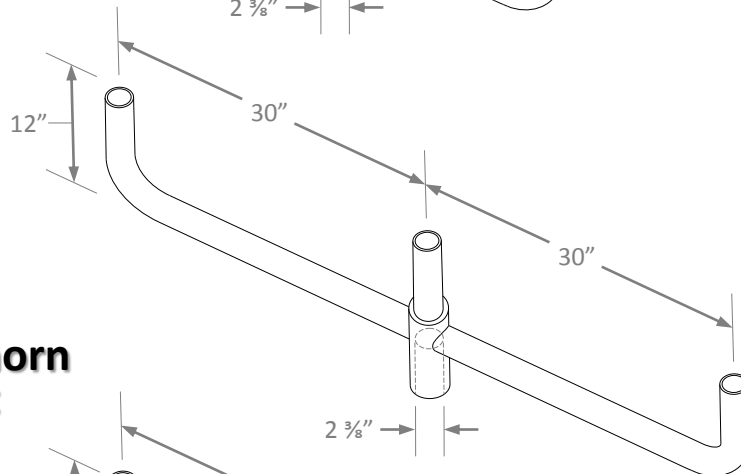
### Double 180° Bullhorn Mounting Bracket

LEDMPALPRO-D180BH-80/280



### Triple 180° Bullhorn Mounting Bracket

LEDMPALPRO-T180BH-80/280



### Quadruple 180° Bullhorn Mounting Bracket

LEDMPALPRO-Q180BH-80/280

