



Series:  
**Multi Purpose Area Light PRO (MPALPRO)**

Fixture Type:  
**LED Area Light**

Project Name	Fixture Type	Catalog #	Quantity
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### Design Features & Specifications

- Field selectable 3000k (warm white), 4000k (neutral white), and 5000k (cool white) color temperatures.\*
- Long-life LEDs provide 162,000 hours of operation with at least 70% of initial lumen output (L70), and 49,000 hours with at least 90% of initial lumen output (L90).\*\*
- LED chromaticity based on < 6-step ANSI quadrangles.
- LED color maintenance < 0.002 chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Provides a range of 14,000 to 40,000 nominal lumens.\*
- IES roadway distributions include types III & V.
- Universal 120-277V (50/60Hz) or 277-480V (50/60Hz) AC voltage with 6-foot incoming power cords.
- 0-10vdc dimming drivers are standard.
- Watertight, compression-type electrical connectors.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80.
- Optional NEMA photocell receptacle & photocell.
- Wall mount brackets and tenon adapters available (see page 6).
- Die cast aluminum housing with dark bronze powder coat finish.
- Polycarbonate lens.
- Easy installation in new construction or retrofit.

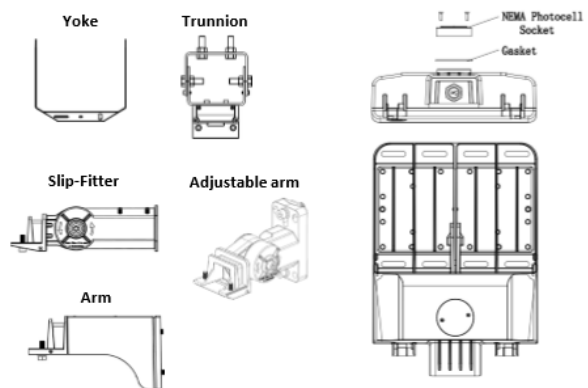


Multi Purpose Area Light Pro	
Catalog #	Description
<b>Complete Units Ordering Information</b> Example: MPALPRO-24L-LKFS-T3-P-MPALARM	
<b>MPALPRO</b>	<b>Fixture Series:</b> MPALPRO = Multi Purpose Area Light Pro
	<b>Lumen Output</b> 24L = 24000/20000/14000lms 40L = 40000/34000/28000lms
<b>LKFS</b>	<b>Field Selectable Color Temp.</b> 3000K 4000K 5000K
	<b>Distribution</b> T3 = Type III T5 = Type V
	<b>Mounting (One Required)</b> MPAL-ARM = Arm Mount MPAL-ARM-A = Arm Mount Adjustable MPAL-SF = Slip-fitter Mount MPAL-TM = Trunnion Mount MPALPRO-YM = Yoke Mount <small>*Pole tenons and tenon adapters available (page 6)</small>
	<b>NEMA Photocell Receptacle*</b> Blank = No Receptacle P = 3-pin NEMA photocell receptacle
	<b>Input Voltage</b> UNV = 120 -277 VAC UNC = 277- 480 VAC

\*NEMA photocell sold separately: JL-205C23-IP65

### Dimensional Information

#### Mounting options & NEMA Photocell



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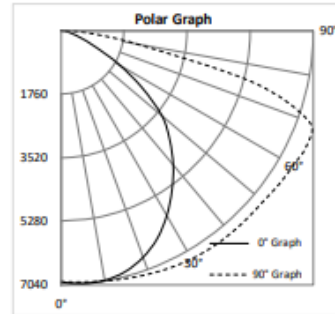
Project Name	Fixture Type	Catalog #	Quantity

### Photometric Data

#### MPALPRO-24L-LKFS-T3

Luminaire Data	
Description	Multi Purpose Area Light PRO - LKFS 24L 5K T3
Total Lumens	24,601
Input Wattage	187
Efficacy (lm/W)	131
Max. Cd.	7588.58 (90H, 67V)
IES Classification	Type III
Longitudinal Classification	Medium

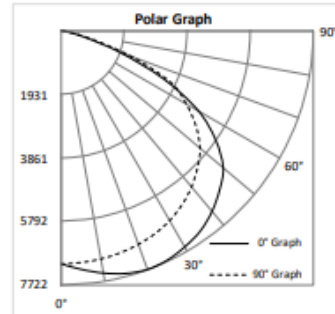
Luminaire Classification Systems (LCS)			
LCS Zone		Lumens	%Lum
FL	0-30	2,904	11.8%
FM	30-60	6,494	26.4%
FH	60-80	3,240	13.2%
FVH	80-90	323	1.3%
BL	0-30	2,684	10.9%
BM	30-60	5,794	23.6%
BH	60-80	2,933	11.9%
BVH	80-90	229	0.9%
UL	90-100	0	0.0%
UH	100-180	0	0.0%
<b>Total</b>		<b>24,601</b>	<b>100.0%</b>
BUG Rating		B4-U0-G4	



#### MPALPRO-24L-LKFS-T5

Luminaire Data	
Description	Multi Purpose Area Light PRO - LKFS 24L 5K T5
Total Lumens	25,157
Input Wattage	187
Efficacy (lm/W)	135
Max. Cd.	7742.22 (337.5H, 22V)
IES Classification	Type VS
Longitudinal Classification	Very Short

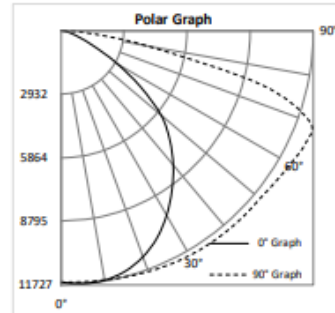
Luminaire Classification Systems (LCS)			
LCS Zone		Lumens	%Lum
FL	0-30	3,101	12.3%
FM	30-60	7,290	29.0%
FH	60-80	2,486	9.9%
FVH	80-90	42	0.2%
BL	0-30	2,784	11.1%
BM	30-60	6,505	25.9%
BH	60-80	2,884	11.5%
BVH	80-90	66	0.3%
UL	90-100	0	0.0%
UH	100-180	0	0.0%
<b>Total</b>		<b>25,157</b>	<b>100.0%</b>
BUG Rating		B4-U0-G2	



#### MPALPRO-40L-LKFS-T3

Luminaire Data	
Description	Multi Purpose Area Light PRO - LKFS 40L 5K T3
Total Lumens	41,239
Input Wattage	302
Efficacy (lm/W)	136
Max. Cd.	12840.24 (270H, 67V)
IES Classification	Type III
Longitudinal Classification	Medium

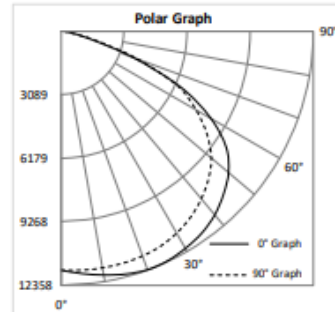
Luminaire Classification Systems (LCS)			
LCS Zone		Lumens	%Lum
FL	0-30	4,831	11.7%
FM	30-60	10,848	26.3%
FH	60-80	5,398	13.1%
FVH	80-90	483	1.2%
BL	0-30	4,488	10.9%
BM	30-60	9,786	23.7%
BH	60-80	5,010	12.1%
BVH	80-90	394	1.0%
UL	90-100	0	0.0%
UH	100-180	0	0.0%
<b>Total</b>		<b>41,239</b>	<b>100.0%</b>
BUG Rating		B5-U0-G5	



#### MPALPRO-40L-LKFS-T5

Luminaire Data	
Description	Multi Purpose Area Light PRO - LKFS 40L 5K T5
Total Lumens	41,980
Input Wattage	302
Efficacy (lm/W)	139
Max. Cd.	12368.81 (360H, 22V)
IES Classification	Type VS
Longitudinal Classification	Very Short

Luminaire Classification Systems (LCS)			
LCS Zone		Lumens	%Lum
FL	0-30	5,024	12.0%
FM	30-60	12,076	28.8%
FH	60-80	4,397	10.5%
FVH	80-90	79	0.2%
BL	0-30	4,671	11.1%
BM	30-60	11,064	26.4%
BH	60-80	4,581	10.9%
BVH	80-90	89	0.2%
UL	90-100	0	0.0%
UH	100-180	0	0.0%
<b>Total</b>		<b>41,980</b>	<b>100.0%</b>
BUG Rating		B5-U0-G2	



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LED Area Light

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Electrical Data

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-24L-LKFS-T3	Lumens	14,649	16,173	15,115	20,273	22,824	20,939	24,056	26,598	24,591
	Watts	101	100	102	150	146	152	186	178	187
	Efficacy	145	162	148	135	156	138	130	150	131
	Input Current (A)	120V = 0.84A    120V = 0.83A    120V = 0.85A	120V = 1.25A    120V = 1.22A    120V = 1.27A	120V = 1.55A    120V = 1.48A    120V = 1.56A	240V = 0.42A    240V = 0.42A    240V = 0.43A	240V = 0.63A    240V = 0.61A    240V = 0.63A	240V = 0.78A    240V = 0.74A    240V = 0.78A	277V = 0.36A    277V = 0.36A    277V = 0.37A	277V = 0.54A    277V = 0.53A    277V = 0.55A	277V = 0.67A    277V = 0.64A    277V = 0.68A
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-24L-LKFS-T5	Lumens	15,049	16,748	15,656	20,616	23,398	21,498	24,156	26,788	25,153
	Watts	101	100	102	150	145	151	186	178	187
	Efficacy	149	167	154	137	161	142	130	150	134
	Input Current (A)	120V = 0.84A    120V = 0.83A    120V = 0.85A	120V = 1.25A    120V = 1.21A    120V = 1.26A	120V = 1.55A    120V = 1.48A    120V = 1.56A	240V = 0.42A    240V = 0.42A    240V = 0.43A	240V = 0.63A    240V = 0.60A    240V = 0.63A	240V = 0.78A    240V = 0.74A    240V = 0.78A	277V = 0.36A    277V = 0.36A    277V = 0.37A	277V = 0.54A    277V = 0.52A    277V = 0.55A	277V = 0.67A    277V = 0.64A    277V = 0.68A
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-40L-LKFS-T3	Lumens	28,924	32,211	30,104	33,874	37,248	35,140	40,091	44,173	41,188
	Watts	204	198	204	248	232	247	303	284	303
	Efficacy	142	163	148	137	160	142	132	156	136
	Input Current (A)	120V = 1.70A    120V = 1.65A    120V = 1.70A	120V = 2.07A    120V = 1.93A    120V = 2.06A	120V = 2.53A    120V = 2.37A    120V = 2.53A	240V = 0.85A    240V = 0.82A    240V = 0.85A	240V = 1.03A    240V = 0.97A    240V = 1.03A	240V = 1.26A    240V = 1.18A    240V = 1.26A	277V = 0.74A    277V = 0.71A    277V = 0.74A	277V = 0.90A    277V = 0.84A    277V = 0.89A	277V = 1.09A    277V = 1.03A    277V = 1.09A
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-40L-LKFS-T5	Lumens	29,447	33,006	30,873	34,329	37,862	35,862	39,723	44,079	41,462
	Watts	204	197	203	247	231	246	298	283	297
	Efficacy	144	168	152	139	164	146	133	156	140
	Input Current (A)	120V = 1.70A    120V = 1.64A    120V = 1.69A	120V = 2.06A    120V = 1.93A    120V = 2.05A	120V = 2.48A    120V = 2.36A    120V = 2.48A	240V = 0.85A    240V = 0.82A    240V = 0.85A	240V = 1.03A    240V = 0.96A    240V = 1.03A	240V = 1.24A    240V = 1.18A    240V = 1.24A	277V = 0.74A    277V = 0.71A    277V = 0.73A	277V = 0.89A    277V = 0.83A    277V = 0.89A	277V = 1.08A    277V = 1.02A    277V = 1.07A

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Project Name  Fixture Type  Catalog #  Quantity

**Electrical Data**

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-24L-LKFS-T3-UNC	Lumens	13,690	14,765	14,335	20,219	22,312	21,049	24,196	26,737	24,925
	Watts	99	96	100	153	149	155	192	183	193
	Efficacy	139	154	143	132	150	135	126	146	129
	Input Current (A)	277V = 0.36A	277V = 0.35A	277V = 0.36A	277V = 0.55A	277V = 0.54A	277V = 0.56A	277V = 0.69A	277V = 0.66A	277V = 0.70A
347V = 0.29A		347V = 0.28A	347V = 0.29A	347V = 0.44A	347V = 0.43A	347V = 0.45A	347V = 0.55A	347V = 0.53A	347V = 0.56A	
480V = 0.21A		480V = 0.20A	480V = 0.21A	480V = 0.32A	480V = 0.31A	480V = 0.32A	480V = 0.40A	480V = 0.38A	480V = 0.40A	
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-24L-LKFS-T5-UNC	Lumens	13,916	14,870	14,480	20,405	22,381	21,093	24,505	26,840	25,382
	Watts	98	95	99	152	147	153	192	183	193
	Efficacy	142	157	147	134	153	138	128	147	131
	Input Current (A)	277V = 0.35A	277V = 0.34A	277V = 0.36A	277V = 0.55A	277V = 0.53A	277V = 0.55A	277V = 0.69A	277V = 0.66A	277V = 0.70A
347V = 0.28A		347V = 0.27A	347V = 0.29A	347V = 0.44A	347V = 0.42A	347V = 0.44A	347V = 0.55A	347V = 0.53A	347V = 0.56A	
480V = 0.20A		480V = 0.20A	480V = 0.21A	480V = 0.32A	480V = 0.31A	480V = 0.32A	480V = 0.40A	480V = 0.38A	480V = 0.40A	
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-40L-LKFS-T3-UNC	Lumens	28,485	31,402	29,907	33,629	36,449	35,047	39,660	43,432	40,963
	Watts	203	198	202	246	236	246	297	283	296
	Efficacy	140	159	148	137	154	142	133	154	138
	Input Current (A)	277V = 0.73A	277V = 0.71A	277V = 0.73A	277V = 0.89A	277V = 0.85A	277V = 0.89A	277V = 1.07A	277V = 1.02A	277V = 1.07A
347V = 0.59A		347V = 0.57A	347V = 0.58A	347V = 0.71A	347V = 0.68A	347V = 0.71A	347V = 0.86A	347V = 0.82A	347V = 0.85A	
480V = 0.42A		480V = 0.41A	480V = 0.42A	480V = 0.51A	480V = 0.49A	480V = 0.51A	480V = 0.62A	480V = 0.59A	480V = 0.62A	
Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
MPALPRO-40L-LKFS-T5-UNC	Lumens	28,731	31,840	30,214	33,918	36,884	35,413	39,890	44,057	41,651
	Watts	202	197	202	246	235	246	302	283	299
	Efficacy	142	161	150	138	157	144	132	156	139
	Input Current (A)	277V = 0.73A	277V = 0.71A	277V = 0.73A	277V = 0.89A	277V = 0.85A	277V = 0.89A	277V = 1.09A	277V = 1.02A	277V = 1.08A
347V = 0.58A		347V = 0.57A	347V = 0.58A	347V = 0.71A	347V = 0.68A	347V = 0.71A	347V = 0.87A	347V = 0.82A	347V = 0.86A	
480V = 0.42A		480V = 0.41A	480V = 0.42A	480V = 0.51A	480V = 0.49A	480V = 0.51A	480V = 0.63A	480V = 0.59A	480V = 0.62A	

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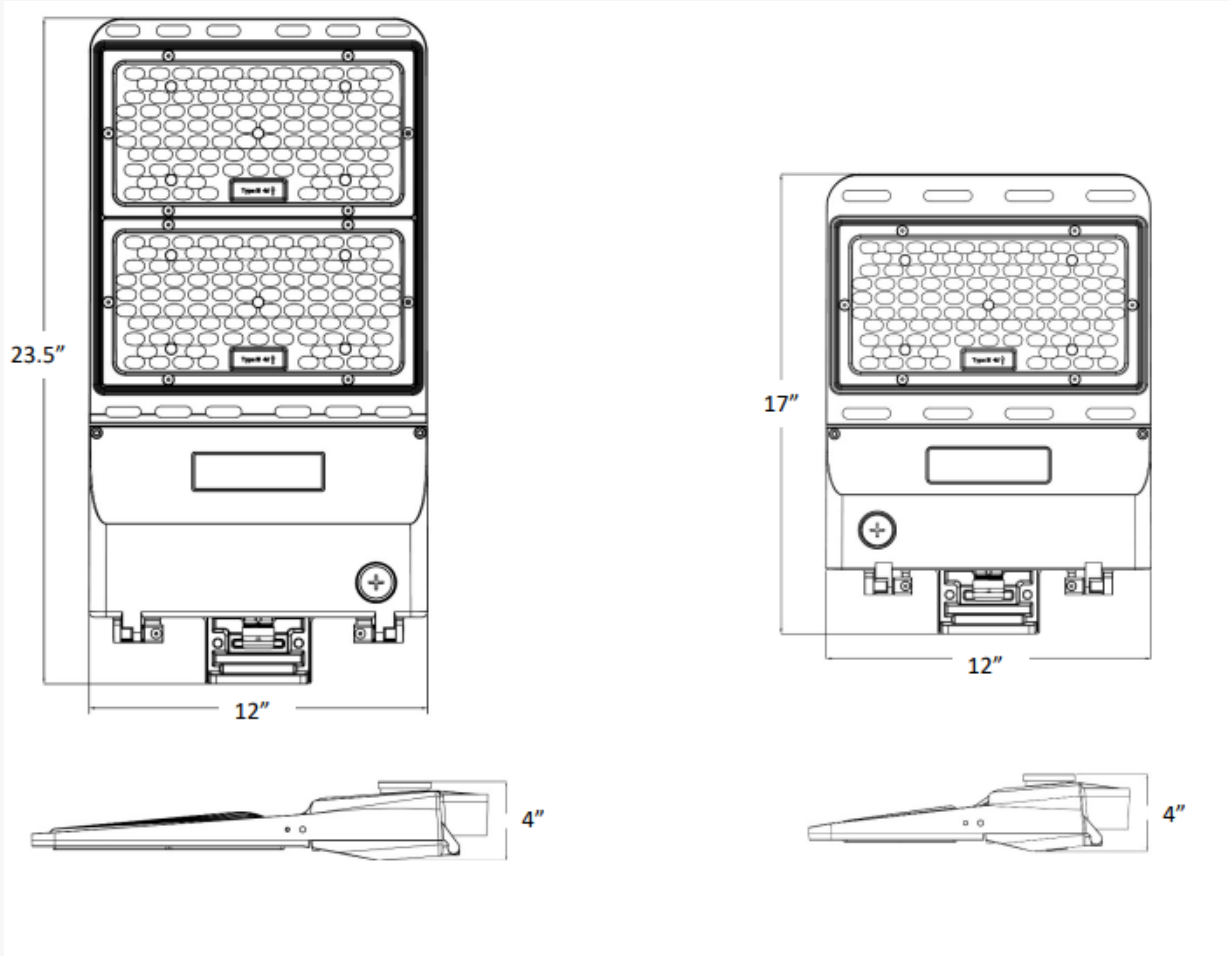


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Fixture Type :  
**LED Area Light**

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### Dimensional Data



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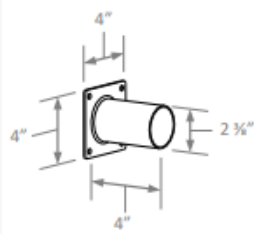


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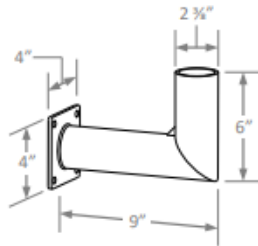
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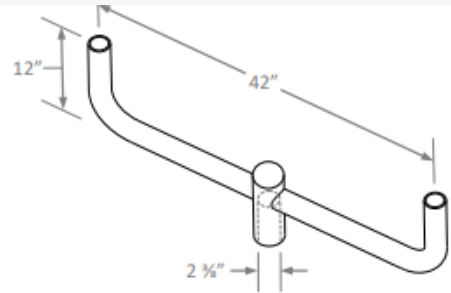
**Mounting Accessories**



**Wall Mount Bracket**  
 LEDMPALPRO-WMB



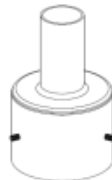
**Wall Mount Bracket, 90°**  
 LEDMPALPRO-WMB90



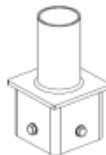
**Double 180° Bullhorn Mounting Bracket**  
 LEDMPALPRO-D180BH  
 Bullhorn requires slip-fitter mount



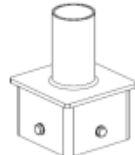
4SQR-SP-D



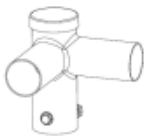
5SQR-SP-D



4SQ-SP-D



5SQ-SP-D



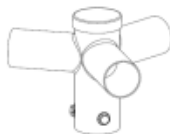
R60-SP2-90-D



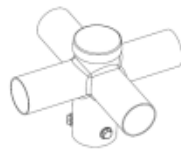
R60-SP2-180-D



R60-SP3-90-D



R60-SP3-120-D



R60-SP4-90-D

Part Number	Description	L	W	H
4SQR-SP-D	4" round pole tenon	-	4.2"	8.6"
5SQR-SP-D	5" round pole tenon	-	5.2"	8.6"
4SQ-SP-D	4" square pole tenon	3.6"	3.6"	7.2"
5SQ-SP-D	5" square pole tenon	4.6"	4.6"	7.2"
R60-SP2-90-D	Tenon adapter 90° double	-	ID 2.5"	7.3"
R60-SP2-180-D	Tenon adapter 180° double	-	ID 2.5"	7.3"
R60-SP3-90-D	Tenon adapter 90° triple	-	ID 2.5"	7.3"
R60-SP3-120-D	Tenon adapter 120° triple	-	ID 2.5"	7.3"
R60-SP4-90-D	Tenon adapter 90° quadruple	-	ID 2.5"	7.3"

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