

## Madison EPMN Series LED Post Top Lighting



Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Notes \_\_\_\_\_

### GLI Brands Utility Roadway Representatives Exclusively

- High performance precision optics
- Die cast aluminum two-piece housing with a polycarbonate lens
- Type II, Type III, Type IV, Type V
- 20kA surge protection standard

### CONSTRUCTION

<b>Housing:</b>	All cast aluminum parts are low copper alloy A356, All extruded aluminum part are alloy 6061-T6, 6063-T5 equal
<b>Lens:</b>	No Lens, Polycarbonate clear lens available
<b>Paint:</b>	Cast Aluminum, Black, Dark Bronze, RAL & Customer colors available
<b>Weight:</b>	50lbs. (22.7kg)

### OPTICAL SYSTEM

<b>Lumens:</b>	4,000 – 15,000
<b>Distribution:</b>	Type II, Type III, Type IV, Type V
<b>Efficacy:</b>	74-109 LPW
<b>CCT:</b>	3000K, 4000K & 5000K
<b>CRI (Min):</b>	70

### ELECTRICAL

<b>Input Voltage:</b>	120-277V
<b>Input Frequency:</b>	50/60Hz
<b>Power Factor:</b>	120V = 0.99, 277V = 0.96
<b>Total Harmonic Distortion:</b>	20% At 100-277Vac

### SURGE PROTECTION\*

<b>Standard</b>
20kV/10kA

\*Per ANSI C136.2-2015

### WARRANTY

5 Year (Standard)

10 Year (Optional)

### LUMEN MAINTENANCE

Projected Lxx per IES TM-21 at 25°C

SKU	LXX(10K) @ Hours		
	25,000 HR	50,000 HR	60,000 HR
<b>EPMN</b>	L97	L95	L94

Note: Projected LXX based on LM80 (> 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

### AMBIENT TEMPERATURE FACTOR

Ambient Temp (°C)	Initial Flux Factor	Ambient Temp (°C)	Initial Flux Factor
10	1.02	30	0.99
20	1.01	40	0.98
25	1.00		

### RATINGS

<b>Operating Temperature:</b>	-40°C to 40°C
<b>Vibration:</b>	Available upon request
<b>LM-79:</b>	Testing in accordance with IES Standards
<b>EPA:</b>	1.51

### CONTROLS

<b>Dimming:</b>	Standard 0-10V
<b>Sensors:</b>	Located in decorative finial option: Photocell

### EPMN 01

PROD. ID	GEN	VOLTAGE	LUMEN OUTPUT	DIST.	CCT	LENS	CONTROLS PER ANSI C136.41	MOUNTING	ARM	COLOR	OPTIONS
<b>E = Evolve</b>	01 = 1st Gen	0 = 120-277V	24L = 55W, 4455 - 6017 No Lens, 55W, 4150 - 5175 Lens	B = Type II	30 = 3000K	NL = No Lens	1 = None	DP = Decorative Finial for twist-lock photocell	S1C4 = Single cobra arm for 4" pole size*	BLCK = Black	SH = Spun aluminum Shade
<b>P = Post Top</b>		D = 347V	36L = 80W, 7772 - 9026 No Lens, 80W, 6225 - 7762 Lens	C = Type III	40 = 4000K	PL = Polycarbonate	A = 7-Pin Receptacle	DE = Decorative Finial	S1C5 = Single cobra arm for 5" pole size*	DKBZ = Dark Bronze	XXX = Special Options
<b>MN = Madison</b>		5 = 480V	48L = 110W, 8911 - 12034 No Lens, 110W, 8300 - 10349 Lens	D = Type IV	50 = 5000K		D = 7-Pin Receptacle with Shorting Cap	2C = 2" Coupler	S1B4 = Single balboa arm for 4" pole size*		
			60L = 136W, 11139 - 15043 No Lens, 136W, 10375 - 12937 Lens	E = Type IV, Wide			E = 7 Pin Receptacle with Long Life non-Dimming PE Control		S1B5 = Single balboa arm for 5" pole size*		
				F = Type V, Square					S1S4 = Single scroll arm for 4" pole size*		
									S1S5 = Single scroll arm for 5" pole size*		
									SS44 = Single strut for 2" coupler**		
									T1C4 = Twin cobra arm for 4" pole size*		
									T1C5 = Twin cobra arm for 5" pole size*		
									T1B4 = Twin balboa arm for 4" pole size*		
									T1B5 = Twin balboa arm for 5" pole size*		
									T1S4 = Twin scroll arm for 4" pole size*		
									T1S5 = Twin scroll arm for 5" pole size*		
									TS44 = Twin strut for 2" coupler**		

\*DP and DE mountings only

\*\*2C mountings only

### PERFORMANCE DATA

LUMEN OUTPUT	REFRACTOR		TYPICAL INITIAL LUMENS			WATTAGE	BUG RATINGS		
	DIST CODE	CODE	3000K	4000K	5000K	120-277V	3000K	4000K	5000K
24L	B	NL	4455	5422	5368	55	B1-U2-G1	B1-U2-G2	B1-U2-G2
24L	C		4945	6017	5958	55	B1-U1-G2	B1-U1-G2	B1-U1-G2
24L	D		4551	5538	5483	55	B1-U2-G2	B1-U2-G2	B1-U2-G2
24L	F		4686	5703	5646	55	B3-U2-G1	B3-U2-G1	B3-U2-G1
24L	B	PL	4150	4663	4570	55	B1-U2-G1	B1-U2-G1	B1-U2-G1
24L	C		4605	5175	5071	55	B1-U1-G2	B1-U1-G2	B1-U1-G2
24L	D		4239	4762	4667	55	B1-U2-G2	B1-U2-G2	B1-U2-G1
24L	F		4365	4904	4806	55	B3-U2-G1	B3-U2-G1	B3-U2-G1
36L	B	NL	7852	8132	8052	80	B2-U0-G3	B2-U3-G3	B2-U3-G2
36L	C		7772	9026	8936	80	B2-U0-G3	B2-U1-G3	B2-U1-G3
36L	D		8552	8307	8225	80	B1-U0-G3	B1-U2-G2	B1-U2-G2
36L	F		8435	8554	8469	80	B3-U0-G2	B3-U2-G2	B3-U2-G2
36L	B	PL	6225	6994	6854	80	B2-U2-G2	B2-U2-G2	B2-U2-G2
36L	C		6908	7762	7607	80	B2-U1-G3	B2-U1-G3	B2-U1-G3
36L	D		6358	7144	7001	80	B1-U2-G2	B1-U2-G2	B1-U2-G2
36L	F		6547	7356	7209	80	B3-U2-G1	B3-U2-G2	B3-U2-G2
48L	B	NL	8911	10843	10736	110	B2-U3-G2	B2-U3-G2	B2-U3-G2
48L	C		9890	12034	11915	110	B2-U1-G3	B2-U1-G3	B2-U1-G3
48L	D		9102	11076	10966	110	B1-U2-G2	B2-U2-G3	B2-U2-G3
48L	F		9372	11405	11292	110	B3-U2-G2	B4-U3-G2	B4-U3-G2
48L	B	PL	8300	9326	9139	110	B2-U3-G2	B2-U3-G2	B2-U3-G2
48L	C		9211	10349	10142	110	B2-U1-G3	B2-U1-G3	B2-U1-G3
48L	D		8478	9525	9335	110	B1-U2-G2	B1-U2-G2	B1-U2-G2
48L	F		8729	9808	9612	110	B3-U2-G2	B4-U2-G2	B4-U2-G2
60L	B	NL	11139	13554	13420	136	B2-U3-G2	B3-U3-G3	B3-U3-G3
60L	C		12362	15043	14874	136	B2-U1-G3	B3-U1-G4	B3-U1-G4
60L	D		11378	13845	13708	136	B2-U2-G3	B2-U3-G3	B2-U3-G3
60L	F		11716	14257	14112	136	B4-U3-G2	B4-U3-G2	B4-U3-G2
60L	B	PL	10375	11657	11424	136	B2-U3-G2	B2-U3-G3	B2-U3-G3
60L	C		11514	12937	12678	136	B2-U1-G3	B3-U1-G3	B3-U1-G3
60L	D		10597	11907	11669	136	B1-U2-G2	B2-U3-G3	B2-U2-G3
60L	F		10912	12607	12138	136	B4-U3-G2	B4-U3-G2	B4-U3-G2

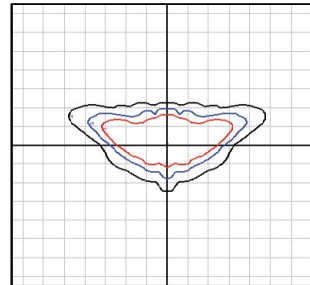
For additional information on EPMN IES files, please click the following link:

[EPMN IES Files](#)

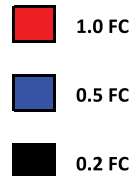
**EPMN-01-0-60L-B-40-NL**

**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>11209</b>
Watts	<b>137.8</b>
Efficacy	<b>81</b>
IES Type	<b>II</b>
BUG Rating	<b>B2-U3-G2</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>15 ft</b>



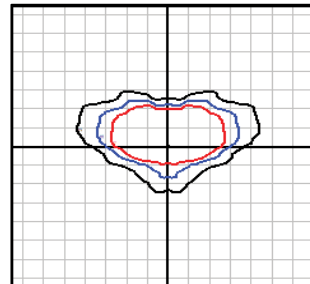
**15' Mounting Height**



**EPMN-01-0-60L-C-40-NL**

**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>12439</b>
Watts	<b>137.8</b>
Efficacy	<b>90</b>
IES Type	<b>III</b>
BUG Rating	<b>B2-U1-G3</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>15 ft</b>



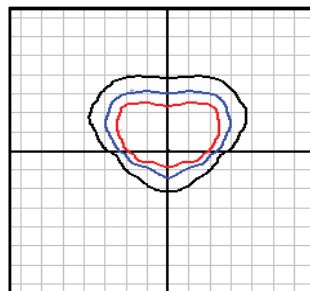
**15' Mounting Height**



**EPMN-01-0-60L-D-40-NL**

**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>11449</b>
Watts	<b>137.5</b>
Efficacy	<b>83</b>
IES Type	<b>IV</b>
BUG Rating	<b>B2-U2-G3</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>15 ft</b>



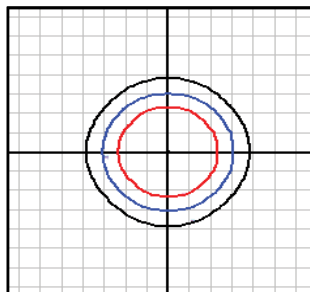
**15' Mounting Height**



**EPMN-01-0-60L-E-40-NL**

**LUMINAIRE DATA**

Description	<b>4000 Kelvin, 70CRI</b>
Delivered Lumens	<b>11789</b>
Watts	<b>137.8</b>
Efficacy	<b>86</b>
IES Type	<b>VS</b>
BUG Rating	<b>B4-U3-G2</b>
Mounting Height	<b>15 ft</b>
Grid Scale	<b>15 ft</b>



**15' Mounting Height**



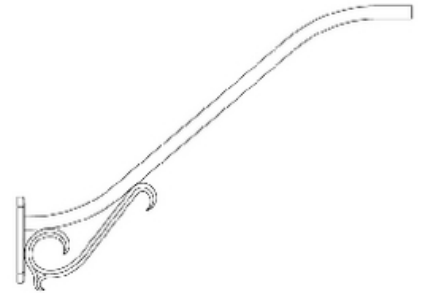
### ARMS



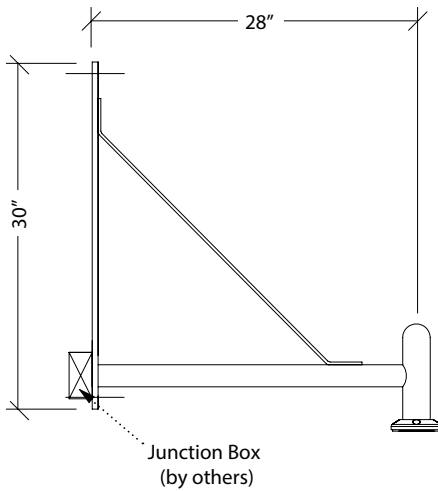
**Cobra:** Single: S1C4/S1C5  
Twin: T1C4/T1C5



**Balboa:** Single: S1B4/S1B5  
Twin: T1B4/T1B5

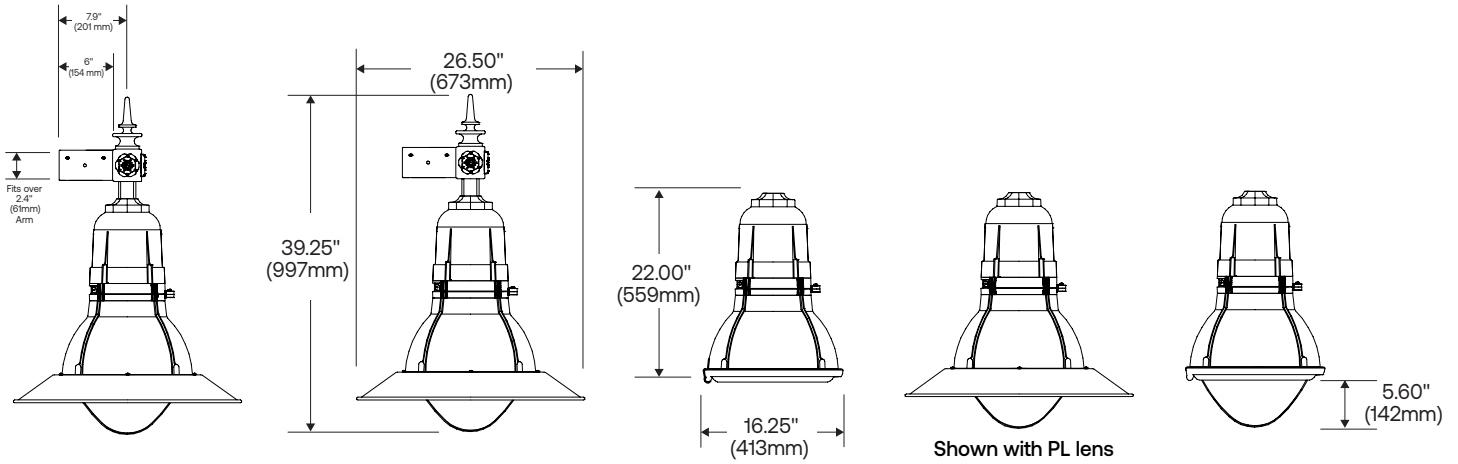


**Scroll:** Single: S1S4/S1S5  
Twin: T1S4/T1S5

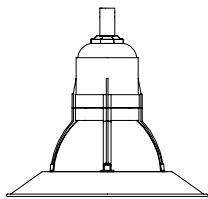


**Strut:** Single: SS44  
Twin: TS44

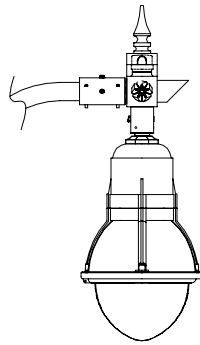
**DIMENSIONS**



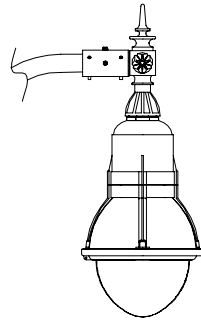
**STYLE OPTIONS**



Spun Aluminum Shade (SH)



Decorative Finial for Twistlock photocell (DP)



Decorative Finial (DE)