

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

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

OPTICAL SYSTEM

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

ELECTRICAL

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

SURGE PROTECTION*

Standard
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
EPMN	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

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

CONTROLS

Dimming:	Standard 0-10V
Sensors:	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
E = Evolve	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
P = Post Top		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
MN = Madison		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

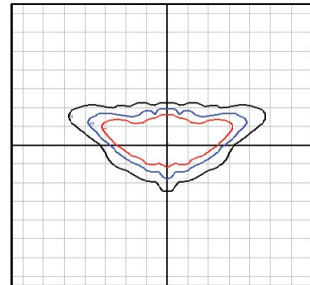
For additional information on EPMN IES files, please click the following link:

[EPMN IES Files](#)

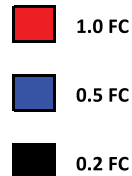
EPMN-01-0-60L-B-40-NL

LUMINAIRE DATA

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



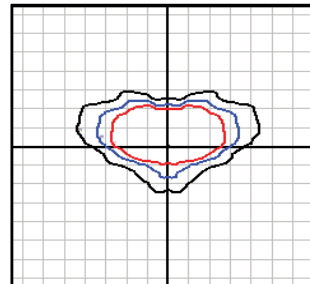
15' Mounting Height



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

LUMINAIRE DATA

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



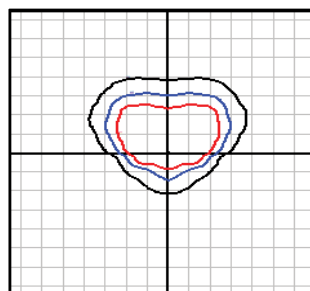
15' Mounting Height



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

LUMINAIRE DATA

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



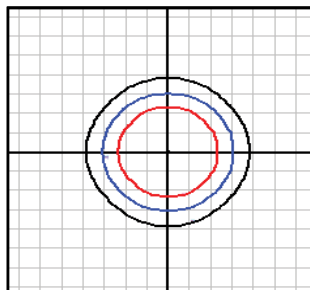
15' Mounting Height



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

LUMINAIRE DATA

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



15' Mounting Height



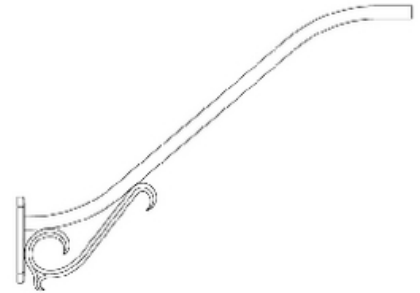
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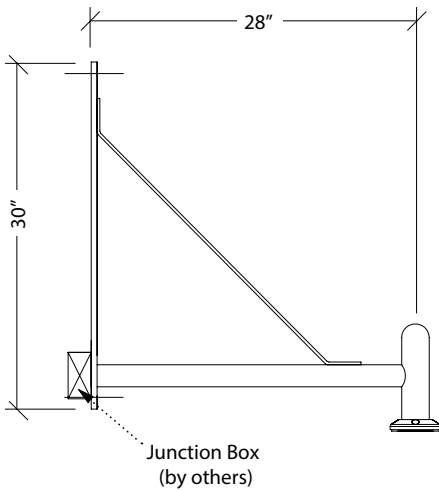
Cobra: Single: S1C4/S1C5
Twin: T1C4/T1C5



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

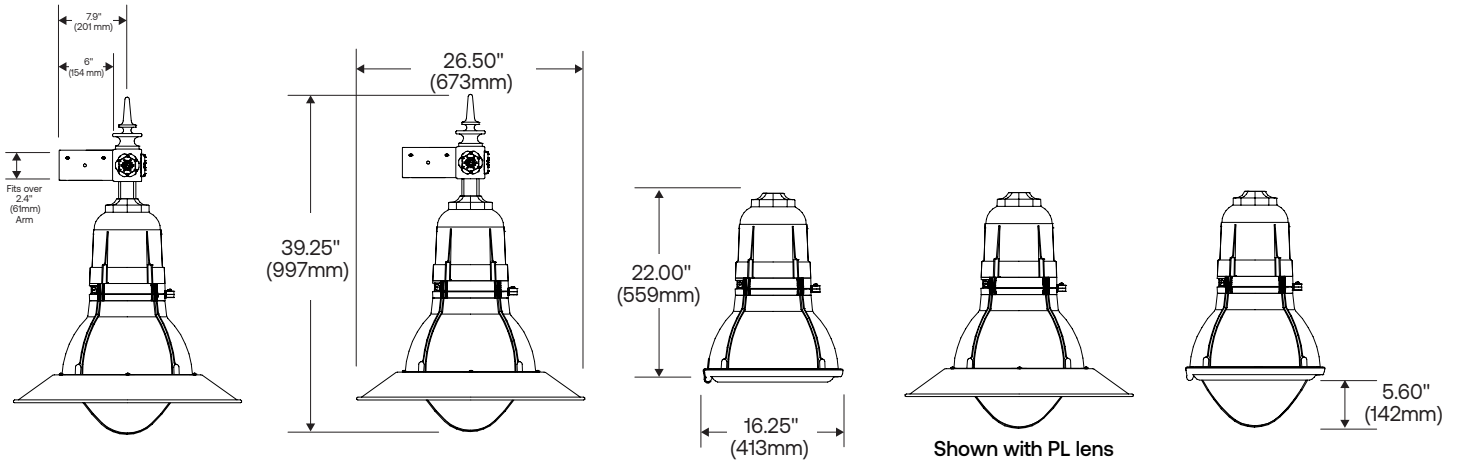


Scroll: Single: S1S4/S1S5
Twin: T1S4/T1S5

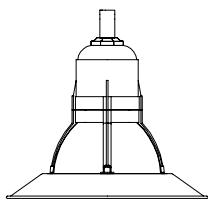


Strut: Single: SS44
Twin: TS44

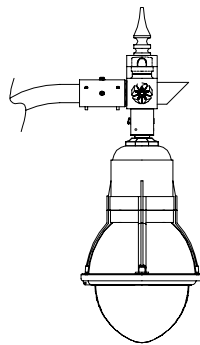
DIMENSIONS



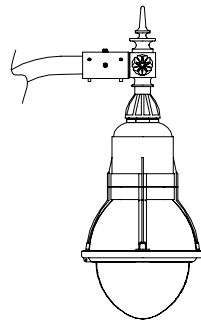
STYLE OPTIONS



Spun Aluminum Shade (SH)



Decorative Finial for Twistlock photocell (DP)



Decorative Finial (DE)