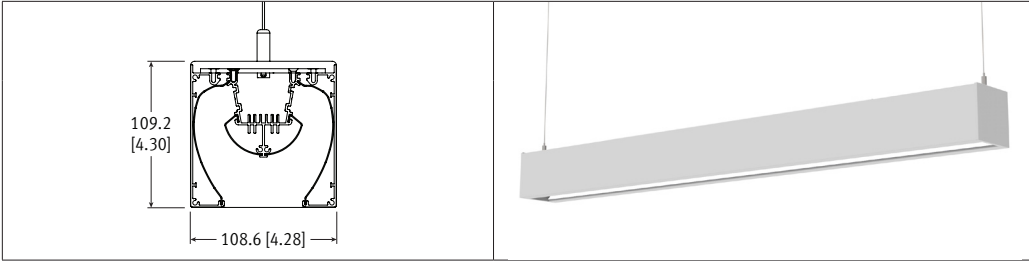


# Mega M4P

## LED . Pendant . Direct



CAT #:
PREP BY:
DATE:
PROJECT:
TYPE:
NOTES:

### ORDERING LOGIC

Sample part number: M4P-2L35K-4-NN-SA-L31-PA-1-NN-C

Series/Model		Color Temp	Length	Optics		Finish	LL/Driver	Circuitry	Mounting	Voltage	Control	Drive Loc.	End Cap
M4P				N	N			1			N		
Color Temp		Optics Up		Light Levels (LL) /Driver		Circuitry		Voltage		Driver Location			
2L30K = 3000K		N = None		Fixture Lumens - Direct Light level measured at 3500K. Add 3% lumen output for 4000K or subtract 2% lumen output for 3000K.		1 = 1 Circuit		1 = 120 V		N = None (mounted integral)			
2L35K = 3500K		Optics Down				Mounting		2 = 277 V		R = Remote Driver Box			
2L40K = 4000K		N = None				PA = Pendant Aircraft Cable		3 = 347 V		RC = Remote Surface Canopy			
Length		Finish		0-10V Dimming (Standard)		PT = Pendant Aircraft Cable for T-Bar		4 = UNV (120 - 277 V)		End Cap Options			
2 = 2 ft		B = Black		3500k		SS = Solid Stem		Control		C = Closed (Standard)			
4 = 4 ft		SA = Satin Aluminum		L1 = 2436		PP = Power Over Aircraft Cable *		N = None		O = Open			
8 = 8 ft		W = White		L2 = 3100		SELECTION HANGER LENGTH AND HANGER FINISH ON P.2				X = Custom (Consult Factory)			
R = Continuous Rows (Consult factory)		C = Custom Finish Specify RAL#:		L3 = 4456									
				L4 = 8521									
				Based on 4ft sections.									

\* Remote Mounted Driver Only

### SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

**Housing:** Rigid 3-piece extruded aluminum body with 22-gauge steel top cover plate.  
**End Caps:** Steel powder coated, closed (standard) or semi-open end. Consult factory for custom end caps.  
**Optical System:** Mid-flux LED technology transmits to internal smooth, high performance reflectors. Open luminaire, no lens design.  
**CRI:** 83+ (3500K) (80 minimum for all CCT)

**Lumen Maintenance:** At an ambient operating temperature of 25°C, our LED system output remains useful at L85 ≥ 60 000hrs.  
**Finish:** Black, satin aluminum, or white powder coated paint finish. For custom finish, contact factory.  
**Mounting:** Steel aircraft cable complete with a Quick-Grip field adjustable suspension system provides for quick and easy on-site alignment.

**Drivers:** Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming range is down to 1%. Power factor @ full load is > 90% with a Class 2 rating.  
**Controls:** Not available.  
**Lutron Driver Options:** Consult factory for Lutron LED driver options:  
**LHE** H-Series Hi-lume 1% EcoSystem  
**LA2** A-Series Hi-lume 1% 2-wire

**L5E** 5-Series EcoSystem  
**Approvals:** Certified to NRTL safety and IES Recommendation testing standards. All components are UL/CSA/QPS recognized or listed, RoHS, LM79, LM80 and LM82 compliant.  
**Environment:** Suitable for dry locations.

### WARRANTY

Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

### LUMINAIRE WATTAGE AND OUTPUT SPECIFICATION

Light Level	Wattage	Lumens Delivered	Efficacy (LPW)
L1	27.78	2436	87.7
L2	35.42	3100	87.5
L3	48.62	4456	91.6
L4	97.24	8521	87.6

### APPROVALS

Signature \_\_\_\_\_

Date \_\_\_\_\_

FILE NAME: M4P\_LED\_P\_SPEC\_SHEET\_20190612

570 Southgate Drive, Guelph, Ontario N1G 4P6  
 Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9

1.800.621.6785 | T 519.822.4381 | F 519.822.4589  
[www.metalumen.com](http://www.metalumen.com)



## HANGER LENGTH AND FINISH

### Select Hanger Length and Finish:

HANGER FINISH	
<input type="checkbox"/>	White (Standard)
<input type="checkbox"/>	Custom Specify RAL#: _____

**SOLID STEM - 1/2" OD STANDARD**  
 Standard supplied length is 18" (460mm). Hangers will be supplied at closest length.  
 All other lengths are considered custom unless otherwise stated.

	IMPERIAL (in)	METRIC (mm)		IMPERIAL (in)	METRIC (mm)
<input type="checkbox"/>	12	305	<input type="checkbox"/>	33	840
<input type="checkbox"/>	15	380	<input type="checkbox"/>	36	915
<input type="checkbox"/>	18	460	<input type="checkbox"/>	39	990
<input type="checkbox"/>	21	533	<input type="checkbox"/>	42	1067
<input type="checkbox"/>	24	610	<input type="checkbox"/>	45	1145
<input type="checkbox"/>	27	685	<input type="checkbox"/>	48	1220
<input type="checkbox"/>	30	760			

Custom length (indicate length in inches): \_\_\_\_\_

**AIRCRAFT CABLE**  
 Total adjustment range is 6" up & down for each standard length.  
 All other lengths are considered custom unless otherwise stated.

	IMPERIAL (in)	METRIC (mm)		IMPERIAL (in)	METRIC (mm)
<input type="checkbox"/>	12	305	<input type="checkbox"/>	54	1372
<input type="checkbox"/>	18	460	<input type="checkbox"/>	60	1525
<input type="checkbox"/>	24	610	<input type="checkbox"/>	72	1830
<input type="checkbox"/>	30	760	<input type="checkbox"/>	96	2440
<input type="checkbox"/>	36	915	<input type="checkbox"/>	120	3050
<input type="checkbox"/>	42	1067	<input type="checkbox"/>	144	3660
<input type="checkbox"/>	48	1220			

Custom length (indicate length in inches): \_\_\_\_\_

## PHOTOMETRIC DATA - 3500K

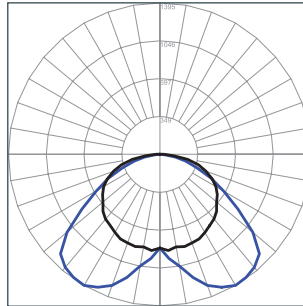
<b>L3</b>	<b>File Name:</b>	M4P-2L35K-4-NN-L3
	<b>Luminaire Lumens:</b>	4456
	<b>Total Watts:</b>	48
	<b>Efficacy:</b>	91.6 lms/W
	<b>Optics Up:</b>	None
	<b>Optics Down:</b>	None

### COEFFICIENTS OF UTILIZATION

Zonal Cavity Method  
 Effective Floor Cavity Reflectance = .20

RC	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
<b>RCR</b>												
0	119	119	119	119	116	116	116	116	111	111	111	
1	108	103	98	94	105	100	96	92	96	92	89	
2	97	88	81	75	94	86	80	74	83	77	72	
3	88	77	68	61	85	75	67	60	72	65	59	
4	80	67	58	51	77	66	57	50	63	55	49	
5	73	59	50	43	71	58	49	43	56	48	42	
6	67	53	43	37	65	52	43	36	50	42	36	
7	62	48	38	32	60	47	38	32	45	37	31	
8	57	43	34	28	56	42	34	28	41	33	28	
9	53	39	31	25	52	39	30	25	37	30	25	
10	50	36	28	22	48	35	27	22	34	27	22	

### PHOTOMETRIC CURVE



### CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	861.09	861.09	861.09	861.09	861.09
5	888.37	935.69	933.44	976.76	964.07
10	863.88	920.78	1002.59	1048.29	1045.73
15	879.4	946.87	1052.51	1140.32	1174.61
20	868.54	973.25	1139.57	1259.27	1283.6
25	860.31	1005.23	1196.17	1316.11	1349.22
30	830.85	998.01	1246.4	1349.76	1394.51
35	799.31	1017.54	1249.86	1346.61	1384.64
40	777.62	1026.33	1252.78	1330.82	1356.17
45	742.23	1004.97	1209.77	1286.43	1297.29
50	683.07	970.46	1158.7	1170.69	1118.28
55	646.12	919.2	1058.22	942.62	878.18
60	595.99	858.63	883.07	723.18	680.3
65	533.54	766.15	666.54	544	522.14
70	450.06	622.34	471.3	394.08	368.71
75	367.5	452.16	316.71	262.79	245.44
80	258.2	264.86	186.68	155.53	146.63
85	126.55	120.2	79.42	61.1	53.68
90	33.29	37.66	21.57	8.45	2.6

### LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	6583	6614	6290
55	6812	6009	4323
65	7204	4065	2693
75	7203	2157	1373
85	4788	634	339