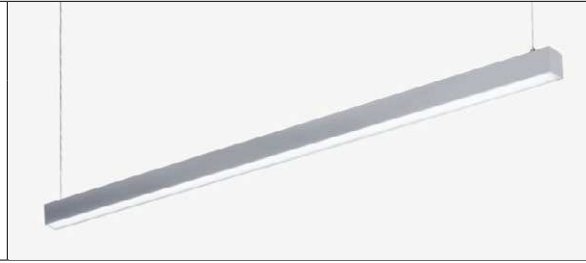
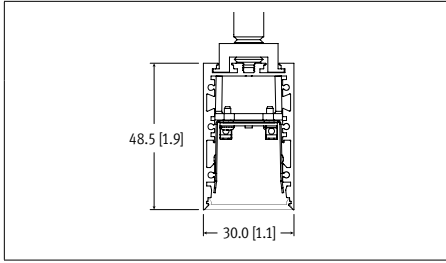


Caledonia RML

LED . Pendant



REGIOLUX



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

ORDERING LOGIC

RML			Optics	M			1			IC
Color Temp	Length	Up	Down	Finish	LL/Driver	Circuitry	Mounting	Voltage	IC	

Color Temp	Optics - Up	Light Level (LL) / Driver **	Circuitry	Voltage										
1L30K = 3000K	- = None (leave space empty)	Fixture Lumens Light level measured at 3500K. Add 3% lumen output for 4000K or subtract 2% lumen output for 3000K.	1 = 1 Circuit	1 = 120 V										
1L35K = 3500K			B = Battery Pack (remote mounted)	2 = 277 V										
1L40K = 4000K	Optics - Down		Mounting	4 = UNV (120 - 277 V)										
Length	M = Meta Ice	<table border="1"> <tr> <th>0-10V Dimming (Standard)</th> <th>3500k</th> </tr> <tr> <td>L1 =</td> <td>1355</td> </tr> <tr> <td>L2 =</td> <td>1726</td> </tr> <tr> <td>L3 =</td> <td>2474</td> </tr> <tr> <td>L4 =</td> <td>4742</td> </tr> </table> Based on 4ft sections.	0-10V Dimming (Standard)	3500k	L1 =	1355	L2 =	1726	L3 =	2474	L4 =	4742	PA = Pendant Aircraft Cable *	For other voltage, consult factory
0-10V Dimming (Standard)	3500k													
L1 =	1355													
L2 =	1726													
L3 =	2474													
L4 =	4742													
2 = 2 ft			PT = Pendant Aircraft Cable for T-Bar *	Integrated Control (IC)										
4 = 4 ft	Finish		Select CABLE LENGTH and HANGER FINISH on p.3	- = None (leave space empty)										
8 = 8 ft	SA = Satin Aluminum													
12 = 12 ft *	C = Custom Finish Specify RAL#: <input type="text"/>													
R = Continuous Rows *		** All drivers remote mounted												

* Runs above 8' require 2 wire entries. Consult factory.

SPECIFICATIONS

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

Housing: Anodized Extruded Aluminum 65% post-industrial recycled content with a 20 Gauge steel die cast onboard drivers, complete with die cast zinc alloy powder coated end caps.
Optical System: Computer modeled, formed painted steel materials are utilized to provide wide, horizontal direct distribution.

CRI: 83 (3500K) (80 minimum)
Lumen Maintenance: At an ambient operating temperature of 35°C the LED lifetime expectancy =<60 000hrs at L70. Finish: Satin Aluminum. For custom finish, contact factory.
Weight: 0.4lb/ft or 0.5kg/300mm.
Mounting: Pendant - Aircraft cable complete with a Quick-Grip field adjustable

suspension system provides for quick and easy onsite alignment. Recessed (Drywall Flanged, Drywall Flangeless or T-Bar Flanged) Surface
Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming is 10%-100% range Power factor is <90% with a Class 2 rating. All drivers remoted mounted.

Integrated Controls: Refer to Ordering Logic chart above.
Approvals: Certified to NRTL and IES testing standards. All components are UL Recognized or Listed. RoHS 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	13.7	1355	99
L2	17.4	1726	99
L3	24	2474	104
L4	48	4742	99

APPROVALS Signature _____

Date _____

FILE NAME: Caledonia_RML_P_SPEC_SHEET

040215

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

Metalumen

FEATURES

COMMERCIAL // Commercial Lighting - With over 30 years of successful architectural lighting, providing unique concept and installation solutions has become second nature. Metalumen's Start to End Development Process results in unique performance, design and architectural requirements from concept through implementation. Metalumen's Lighting Solutions have been applied to customer projects requiring: high profile architectural installations; improved energy efficiency; retrofit installations; unique installations. Metalumen can provide top-quality innovative fixtures when and where they are needed and, at the same time, allow the customer to determine their level of involvement in Metalumen's Start to

EDULUMEN // Educational Lighting Edulumen is a collection of premium luminaires that maximize both the functionality and performance of any educational facility. Based on maximum efficiency, integration of controls and exceptional design, Edulumen will earn high marks for meeting your requirements. Students challenge themselves throughout the day to achieve, and Metalumen is dedicated to this by creating sustainable environments that foster enhanced educational experiences.

MEDILUMEN // Healthcare Lighting Every product in our broad line of healthcare luminaires has been

strategically engineered to meet modern healthcare demands while addressing patient needs and aesthetic requirements.

metaG META ICE is a smooth Continuum Optical System with a 91% transmission rate that creates smooth subdued lighting with no source imagery. Meta Ice is a premium lensing optic unique to Metalumen but coupled with a high performance side kicking specular reflector to maximize the lumens from the source creating an unparalleled lumen delivery.

MetaICE META ICE is a smooth Continuum Optical System with a 91% transmission rate that creates smooth subdued lighting with no source

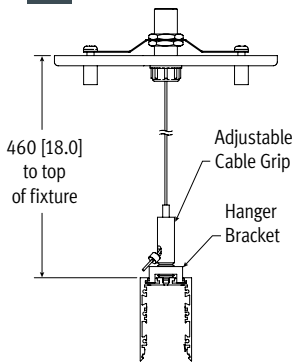
imagery. Meta Ice is a premium lensing optic unique to Metalumen but coupled with a high performance side kicking specular reflector to maximize the lumens from the source creating an unparalleled lumen delivery.

META LED boards with a raw efficacy of over 120lm/W, proprietary to Metalumen. A slim LED platform for any of your LED linear application.

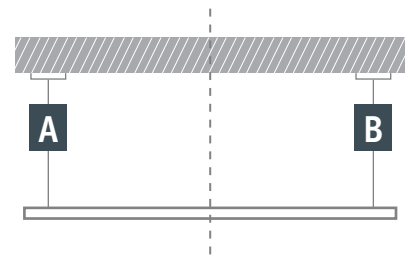
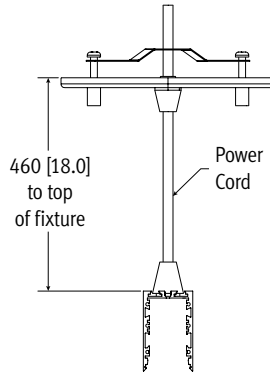
CS This product is part of the New Quick Ship Program by Metalumen. Exceptions do apply. Please refer to the Quick Ship catalog for product availability.

HANGER INFORMATION - Pendant Aircraft Cable

A Aircraft Cable

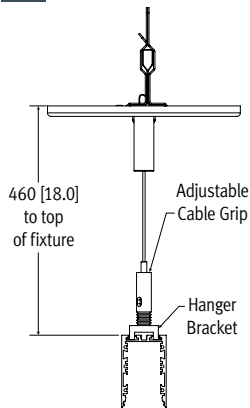


B Aircraft Cable & Power Cord

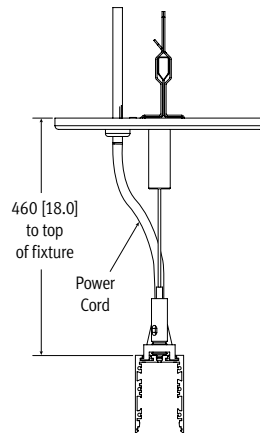


HANGER INFORMATION - Pendant Aircraft Cable for T-Bar

A Aircraft Cable



B Aircraft Cable & Power Cord

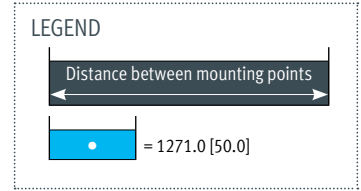


AIRCRAFT CABLE		
Total adjustment range is 6" up & down for each standard length.		
All other lengths are considered custom unless otherwise stated.		
	IMPERIAL (in.)	METRIC (mm.)
<input type="checkbox"/>	12	305
<input type="checkbox"/>	18	460
<input type="checkbox"/>	24	610
<input type="checkbox"/>	30	760
<input type="checkbox"/>	36	915
<input type="checkbox"/>	42	1067
<input type="checkbox"/>	48	1220
<input type="checkbox"/>	54	1372
<input type="checkbox"/>	60	1525
<input type="checkbox"/>	72	1830
<input type="checkbox"/>	96	2440
<input type="checkbox"/>	120	3050
<input type="checkbox"/>	144	3660

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

MOUNTING - ROW CONFIGURATION - PENDANT - 350mA only

QTY	4ft	8ft	12ft	nominal run length	Actual Length
1x				4'	1212.0 [47.7]
		1x		8'	2436.0 [95.9]
			1x	12'	3660.5 [144.1]



This chart is not to scale.

	2x		16'	4857.0 [191.2]	2362.0 [92.9]	2495.0 [98.2]				
1x	2x		20'	6054.0 [238.3]	2362.0 [92.9]	2421.0 [95.3]	•			
	3x		24'	7278.0 [286.5]	2362.0 [92.9]	2421.0 [95.3]	2495.0 [98.2]			
1x	3x		28'	8475.0 [333.6]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	•		
	4x		32'	9699.0 [381.8]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	2495.0 [98.2]		
1x	4x		36'	10896.0 [428.9]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	•	
	5x		40'	12120.0 [477.1]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	2495.0 [98.2]	
1x	5x		44'	13317.0 [524.2]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	•
	6x		48'	14541.0 [572.4]	2362.0 [92.9]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	2421.0 [95.3]	2495.0 [98.2]

Sections in a continuous row

PHOTOMETRIC DATA - 3500K

L3

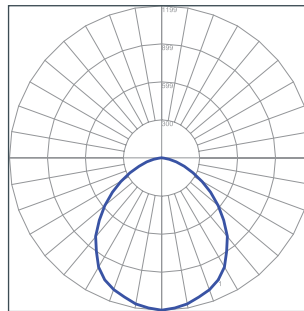
File Name: RML-1L35K-4-M-L3
 Luminaire Lumens: 2474
 Total Watts: 23.89
 Efficacy: 104 lms/W
 Optics Up: None
 Optics Down: Meta Ice

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

RC	80				70				50			
	RW	70	50	30	10	70	50	30	10	50	30	10
RCR												
0	119	119	119	119	116	116	116	116	111	111	111	111
1	110	106	102	99	108	104	101	97	100	97	94	94
2	101	94	88	83	99	92	87	82	89	84	80	80
3	93	84	77	71	91	82	76	70	79	74	69	69
4	86	75	67	61	84	74	66	61	72	65	60	60
5	80	68	60	54	78	67	59	53	65	58	53	53
6	74	62	53	47	72	61	53	47	59	52	47	47
7	69	56	48	42	67	56	48	42	54	47	42	42
8	64	52	44	38	63	51	43	38	50	43	38	38
9	60	48	40	35	59	47	40	35	46	39	34	34
10	57	44	37	32	56	44	37	32	43	36	32	32

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	25946	10005	7102
55	21406	6533	4374
65	16400	3798	2487
75	11151	1679	999
85	4655	265	141

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0.0	22.5	45.0	67.5	90.0
0	1198.56	1198.56	1198.56	1198.56	1198.56
5	1185.28	1188.29	1180.71	1159.37	1160.16
10	1168.45	1157.07	1156.57	1157.79	1146.76
15	1134.22	1139.52	1106.47	1102.72	1091.57
20	1102.74	1079.88	1045.02	1012.54	997.22
25	1058.18	1030.58	975.67	917.09	909.88
30	991.54	951.67	882.05	813.58	792.66
35	896.48	862.78	776.76	708.14	677.98
40	807.88	758.87	663.37	592.01	575.57
45	694.07	656.64	558.79	495.86	478
50	584.99	542.47	457.19	400.79	384.46
55	472.14	436	364.33	317.22	301.94
60	369.28	336.8	280.47	243.59	233.04
65	273.75	252.87	205.07	175.18	170.78
70	189.77	174.03	139.42	118.49	115.03
75	120.66	107.55	84.9	71.32	66.17
80	63.68	54.82	39.87	33.7	30.75
85	21.51	17.62	12.08	9.75	8.68
90	4.7	2.44	1.48	.84	1.06