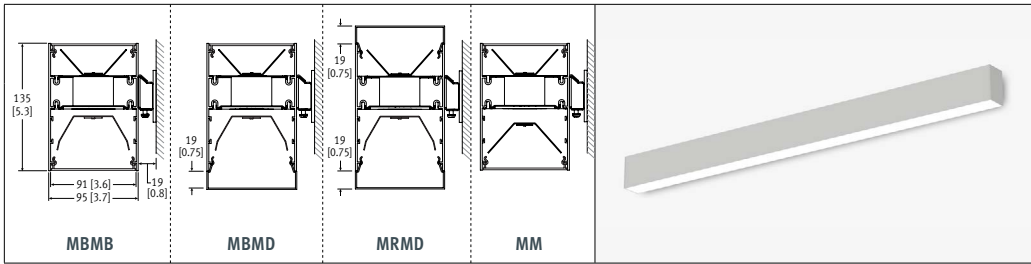


Rail 4 RM4DI

LED . Wall . Direct/Indirect



See p.2 for DLC Approved Products



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

ORDERING LOGIC

Example Part Number: RM4DI-1L35K-12-MBMB-W-L31-W-1-D-90

RM4DI							W			
Series	Color Temp	Length	Optics	Finish	LL/Driver	Circuitry	Mounting	Voltage	Controls	Options
Color Temp		Optics		Light Level (LL) / Driver			Circuitry		Controls	
2L30K = 3000K	90 CRI is available under Options	MBMB = Up: Meta Blanc Down: Meta Blanc		Performance at 3500K 0-10V Dimming (Standard) Integral drivers			1 = 1 Circuit		_ = None (leave space empty)	
2L35K = 3500K		MBMD = Up: Meta Blanc Down: Drop Lens					UD = Up / Down Switching		D = Daylight Sensor	
2L40K = 4000K		MRMD = Up: Rise Lens Down: Drop Lens		EM = Emergency / Night Light		O = Occupancy Sensor				
2LTUN = 2-White Tunable (2700 - 6500K)		MM = Up: Meta Ice Down: Meta Ice		B = Battery Pack		DO = Daylight / Occupancy Sensor				
Length		Meta Blanc: Opal Diffuse		Options		Mounting		Options		
2 = 2 ft	8 = 8 ft	Rise/Drop Lens: Opal Diffuse		W = Wall		90 = 90 CRI				
3 = 3 ft	9 = 9 ft	Meta Ice: High Output Semi-Diffuse		Voltage		_ = None (leave space empty)				
4 = 4 ft	10 = 10 ft	Finish		1 = 120 V						
5 = 5 ft	11 = 11 ft	SA = Satin Aluminum		2 = 277 V						
6 = 6 ft	12 = 12 ft	W = White		3 = 347 V						
7 = 7 ft		B = Black		4 = UNV (120-277V)						
R = Continuous Rows (See p.3)		C = Custom Finish Specify RAL#:		For other voltage, consult factory						
C = Custom Length (Consult factory)										
_ = None (leave space empty)										

SPECIFICATIONS

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

Housing: Rigid extruded aluminum body, 2.0mm (0.08") nominal wall thickness. Steel formed end caps.
Optical System: Metalumen luminaires are designed to utilize leading edge LED technology combined with luminaire optimized reflectors and our custom diffusers, resulting in industry leading optical performance.
CRI: 83+ for 3500K, 80 minimum for all CCTs in standard configurations.

Lumen Maintenance: Minimum 50,000h with TM-21 lumen maintenance of 85% @ 25°C ambient temperature (calculated based on IESNA LM-80-08 LED test data). L70: ≥ 60 000hrs.
Finish: Satin aluminum, white and black are standard finishes. For custom finish, contact factory.
Mounting: Mounting plate provided.
Electrical: Factory prewired with easy wire

quick connect sections.
Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming range is 10%-100%. Power factor is > 90%. Class 2 rating. Drivers are integral.
Controls: Refer to Ordering Logic chart above.
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 5-Series
Approvals: Certified to NRTL and IES testing standards. This product is cULus listed. RoHS compliant.
Environment: Suitable for dry or damp locations.

APPROVALS Signature _____

Date _____

FILE NAME: RM4DI_LED_W_SPEC_SHEET_20190718

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



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.

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 End Development Process.




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.




DAMP Suitable for dry or damp locations.

	DLC Approved RM4DI Products	RM4DI-2L35K-4-MM-xx-L1X-X-XX-[34]-X	RM4DI-2L35K-8-MM-xx-L1X-X-XX-[34]-X	For more Metalumen DLC Approved Products, visit the DLC Website
		RM4DI-2L35K-4-MM-xx-L2X-X-XX-[34]-X	RM4DI-2L35K-8-MM-xx-L2X-X-XX-[34]-X	
		RM4DI-2L35K-4-MM-xx-L3X-X-XX-[34]-X	RM4DI-2L35K-8-MM-xx-L3X-X-XX-[34]-X	
		RM4DI-2L40K-4-MM-xx-L1X-X-XX-[34]-X	RM4DI-2L40K-8-MM-xx-L1X-X-XX-[34]-X	
		RM4DI-2L40K-4-MM-xx-L2X-X-XX-[34]-X	RM4DI-2L40K-8-MM-xx-L2X-X-XX-[34]-X	
		RM4DI-2L40K-4-MM-xx-L3X-X-XX-[34]-X	RM4DI-2L40K-8-MM-xx-L3X-X-XX-[34]-X	

MOUNTING - CONTINUOUS ROWS




Step 1) Indicate desired quantity of rows under the QTY column


Step 2)  If applicable, select pod(s) per row to indicate desired Emergency/Night Light/Battery location. If a similar row requires a different Emergency lighting location, please fill out another sheet.


Record drawings for rows not represented here will be sent out upon order.

QTY	Nominal Length	Run Length Overall	Alone / Start Length	Mid Length(s)	End Length	Diagram
	4'	1225 [48.2]	4			
	8'	2442 [96.1]	8			
	12'	3661 [144.1]	12			
	16'	4881 [192.2]	8	8		
	20'	6100 [240.2]	12	8		
	24'	7319 [288.1]	12	12		
	28'	8538 [336.1]	8	12	8	
	32'	9757 [384.1]	12	8	12	
	36'	10977 [432.2]	12	12	12	
	40'	12196 [480.2]	12	8, 8	12	
	44'	13415 [528.1]	12	12, 8	12	
	48'	14634 [576.1]	12	12, 12	12	

LEGEND

-  Standard Wire Entry Location
(located on back of fixture either: 231 mm from end cap, or 229 mm from end of extrusion without end cap)
-  Emergency (EM) / Night Light Location (4 ft sections)
-  EM Wire Entry or Battery Pack Location
(located 231 mm from end on back of fixture)

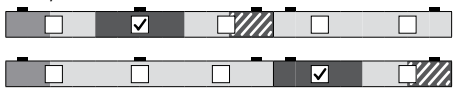
 Wall bracket



- = 231 [9.1] Distance between end-cap and bracket
- ▲ = 458 [18.0] Distance between brackets at joiners
- A = Distance between brackets
- B = Extrusion lengths (includes end-caps)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run



PHOTOMETRIC DATA - 3500K - L3

Optics Up: Meta Blanc
Optics Down: Meta Blanc

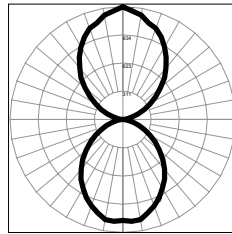
File Name: RM4DI-2L35K-4-MBMB-L3
Luminaire Lumens: 5096
Total Watts: 48.3
Efficacy: 106 lm/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

Table with 10 rows and 12 columns showing Coefficients of Utilization for different room geometries.

PHOTOMETRIC CURVE



LUMINANCE DATA (cd/m²)

Table with 3 columns (Vertical Angle, Horizontal Angle) and 7 rows showing Luminance Data.

CANDELA DISTRIBUTION

Table with 2 columns (Vertical Angle, Horizontal Angle) and 19 rows showing Candela Distribution.

ZONAL LUMEN SUMMARY

Table with 3 columns (Zone, Lumens, %Fixt) showing Zonal Lumen Summary.

Optics Up: Meta Blanc
Optics Down: Drop Lens

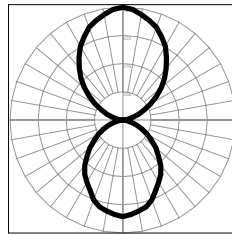
File Name: RM4DI-2L35K-4-MBMD-L3
Luminaire Lumens: 5160
Total Watts: 48.3
Efficacy: 106 lm/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

Table with 10 rows and 12 columns showing Coefficients of Utilization.

PHOTOMETRIC CURVE



LUMINANCE DATA (cd/m²)

Table with 3 columns (Vertical Angle, Horizontal Angle) and 7 rows showing Luminance Data.

CANDELA DISTRIBUTION

Table with 2 columns (Vertical Angle, Horizontal Angle) and 19 rows showing Candela Distribution.

ZONAL LUMEN SUMMARY

Table with 3 columns (Zone, Lumens, %Fixt) showing Zonal Lumen Summary.

Optics Up: Rise Lens
Optics Down: Drop Lens

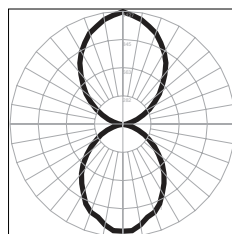
File Name: RM4DI-2L35K-4-MRMD-L3
Luminaire Lumens: 5200
Total Watts: 48.3
Efficacy: 107 lm/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

Table with 10 rows and 12 columns showing Coefficients of Utilization.

PHOTOMETRIC CURVE



LUMINANCE DATA (cd/m²)

Table with 3 columns (Vertical Angle, Horizontal Angle) and 7 rows showing Luminance Data.

CANDELA DISTRIBUTION

Table with 2 columns (Vertical Angle, Horizontal Angle) and 19 rows showing Candela Distribution.

ZONAL LUMEN SUMMARY

Table with 3 columns (Zone, Lumens, %Fixt) showing Zonal Lumen Summary.

Photometric performance is measured and scaled in accordance with IESNA LM-79.

PHOTOMETRIC DATA - 3500K - L3

Optics Up: Meta Ice
Optics Down: Meta Ice

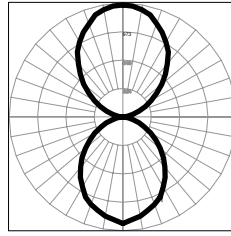
File Name: RM4DI-2L35K-4-MM-L3
Luminaire Lumens: 5406
Total Watts: 48.3
Efficacy: 111 lm/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

RC RW	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
RCR	107	107	107	107	98	98	98	98	82	82	82
0	98	94	90	87	90	87	83	80	73	71	69
1	89	82	76	71	82	76	71	67	64	61	57
2	82	73	66	60	75	67	61	56	57	53	49
3	75	65	57	51	69	60	53	48	51	46	42
4	69	58	50	44	63	54	47	41	46	40	36
5	64	52	44	38	59	48	41	36	41	36	32
6	59	47	39	34	54	44	37	32	38	32	28
7	55	43	35	30	50	40	33	28	34	29	25
8	51	39	32	27	47	36	30	25	32	26	23
9	48	36	29	24	44	34	27	23	29	24	20
10											

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	7113	3590	2830
55	5881	2452	1850
65	4429	1503	1098
75	2915	715	502
85	1038	152	110

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1215	1215	1215	1215	1215
10	1150	1161	1160	1159	1134
20	1063	1053	1053	1039	1032
30	921	923	906	871	866
40	747	734	707	676	670
50	557	542	512	488	471
60	368	359	331	304	294
70	200	191	170	157	153
80	69	66	58	54	51
90	4	3	3	3	3
100	61	57	53	46	44
110	196	189	180	167	163
120	375	373	350	332	330
130	583	573	554	528	513
140	790	790	765	749	739
150	985	987	969	958	949
160	1130	1121	1116	1112	1105
170	1242	1231	1231	1251	1225
180	1276	1276	1276	1276	1276

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	423	7.8
0-30	874	16.1
0-40	1378	25.4
0-60	2227	41.1
0-80	2595	47.9
0-90	2624	48.5
10-90	2511	46.4
20-40	955	17.6
20-50	1428	26.4
40-70	1097	20.3
60-80	368	6.8
70-80	120	2.2
80-90	29	0.5
90-110	141	2.6
90-120	402	7.4
90-130	803	14.8
90-150	1855	34.3
90-180	2792	51.5
110-180	2651	48.9
0-180	5415	100

Photometric performance is measured and scaled in accordance with IESNA LM-79.