

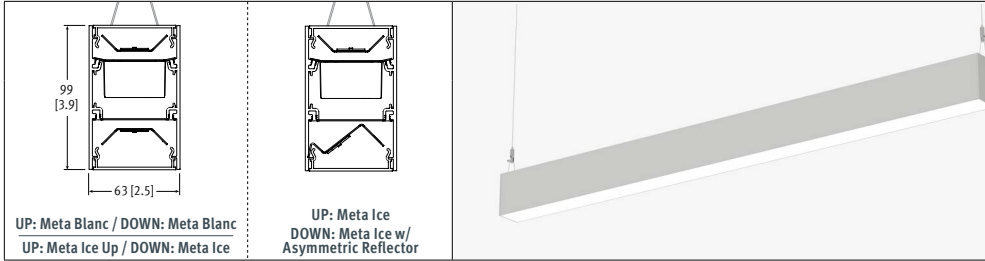
Rail 2 RM2DI

LED . Pendant . Direct/Indirect



See p.2 for DLC Approved Products

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



ORDERING LOGIC

Example Part Number: RM2DI-2L35K-8L-MMA-SA-L3UD-PA-1-D-90

RM2DI																																																																																				
Series	Color Temp	Length	Pattern	Optics	Finish	LL/Driver	Circuitry	Mounting	Voltage	Controls	Options																																																																									
Color Temp		Optics		Light Level (LL) / Driver			Circuitry		Voltage																																																																											
2L30K = 3000K	90 CRI is available under Options	MBMB = Up: Meta Blanc Down: Meta Blanc MBMD = Up: Meta Blanc Down: Drop Lens ** MM = Up: Meta Ice Down: Meta Ice MMA = Up: Meta Ice Down: Meta Ice w/ Asym Reflector		Performance at 3500K 0-10V Dimming (Standard)				1 = 1 Circuit UD = Up / Down Switching EM = Emergency/Night Light B = Battery Pack		1 = 120 V 2 = 277 V 3 = 347 V 4 = UNV (120-277V)																																																																										
2L35K = 3500K				<table border="1"> <thead> <tr> <th>Optics</th> <th>Light Level</th> <th>Lumens Delivered</th> <th>Wattage</th> <th>Efficacy (LPW)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">MBMB</td> <td>L1</td> <td>2942</td> <td>27.6</td> <td>107</td> </tr> <tr> <td>L2</td> <td>3679</td> <td>35.2</td> <td>104</td> </tr> <tr> <td>L3</td> <td>5006</td> <td>48.3</td> <td>104</td> </tr> <tr> <td>L4</td> <td>9285</td> <td>99.8</td> <td>93</td> </tr> <tr> <td rowspan="4">MBMD</td> <td>L1</td> <td>3389</td> <td>27.6</td> <td>122</td> </tr> <tr> <td>L2</td> <td>4178</td> <td>35.23</td> <td>118</td> </tr> <tr> <td>L3</td> <td>5578</td> <td>48.3</td> <td>115</td> </tr> <tr> <td>L4</td> <td>10271</td> <td>96.6</td> <td>106</td> </tr> <tr> <td rowspan="4">MM</td> <td>L1</td> <td>3409</td> <td>27.6</td> <td>123</td> </tr> <tr> <td>L2</td> <td>4203</td> <td>35.2</td> <td>119</td> </tr> <tr> <td>L3</td> <td>5616</td> <td>48.3</td> <td>116</td> </tr> <tr> <td>L4</td> <td>10339</td> <td>96.6</td> <td>107</td> </tr> <tr> <td rowspan="4">MMA</td> <td>L1</td> <td>3389</td> <td>27.6</td> <td>122</td> </tr> <tr> <td>L2</td> <td>4178</td> <td>35.2</td> <td>118</td> </tr> <tr> <td>L3</td> <td>5578</td> <td>48.3</td> <td>115</td> </tr> <tr> <td>L4</td> <td>10271</td> <td>96.6</td> <td>106</td> </tr> </tbody> </table>				Optics	Light Level	Lumens Delivered	Wattage	Efficacy (LPW)	MBMB	L1	2942	27.6	107	L2	3679	35.2	104	L3	5006	48.3	104	L4	9285	99.8	93	MBMD	L1	3389	27.6	122	L2	4178	35.23	118	L3	5578	48.3	115	L4	10271	96.6	106	MM	L1	3409	27.6	123	L2	4203	35.2	119	L3	5616	48.3	116	L4	10339	96.6	107	MMA	L1	3389	27.6	122	L2	4178	35.2	118	L3	5578	48.3	115	L4	10271	96.6	106	Based on 4ft sections.			
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2L40K = 4000K	Meta Blanc, Drop Lens: Opal Diffuse Lens Meta Ice: High Output Semi-Diffuse				Finish SA = Satin Aluminum W = White C = Custom Finish Specify RAL#:		Mounting PA = Pendant Aircraft Cable PT = Pendant Aircraft Cable for T-Bar Select CABLE LENGTH and HANGER FINISH on p.3		For other voltage, consult factory Controls - = None (leave space empty) D = Daylight Sensor O = Occupancy Sensor DO = Daylight/Occupancy Sensor																																																																											
Length		Pattern		Length 2 = 2 ft 8 = 8 ft G = Square / Rectangle 3 = 3 ft 9 = 9 ft U = U-Shape 4 = 4 ft 10 = 10 ft L = L-Shape 5 = 5 ft 11 = 11 ft C = Custom Pattern* 6 = 6 ft 12 = 12 ft 7 = 7 ft R = Continuous Rows (Consult factory) C = Custom Length (Consult factory) - = None (leave space empty)		Enter pattern dimensions on p.2 - = None (leave space empty)		Options 90 = 90 CRI - = None (leave space empty)																																																																												
2L30K = 3000K 2L35K = 3500K 2L40K = 4000K 2LTUN = 2-White Tunable (2700 - 6500K)		Controls 1 = 120 V 2 = 277 V 3 = 347 V 4 = UNV (120-277V)																																																																																		

* Consult factory for custom patterns, including X and T patterns. | ** Drop lens is not available with patterns.

SPECIFICATIONS

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

Housing: Rigid extruded aluminum body, 2.3mm [0.09"] nominal wall thickness. Steel formed end caps.

Optical System: Mid flux LED technology transmits to an internal high performance, side-kicking reflector that then passes through our Meta Ice, Meta Blanc or drop lens acrylic diffuser for smooth distribution, creating a continuum of smooth consistent light.

CRI: 83+ for 3500K, 80 minimum for all

CCTs in standard configurations.

Lumen Maintenance: Minimum 50,000hr 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 and white are standard. For custom finish, contact factory.

Mounting: Aircraft cable yoke complete with a Quick-Grip field adjustable suspension system provides for quick and

easy onsite alignment.

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.

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

Approvals: Certified to NRTL and IES testing standards. RoHS compliant. This product is cULus listed.

Environment: Suitable for dry or damp locations.

APPROVALS Signature _____

Date _____

FILE NAME: RM2DI_LED_PA_PT_SPEC_SHEET_20190501

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

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 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.



Educational Lighting
A collection of premium luminaires

that maximize both the functionality and performance of any educational facility. Metalumen is dedicated to creating sustainable environments that foster enhanced educational experiences with products that offer maximum efficiency, integration of controls and exceptional design.



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 RM2DI Products	RM2DI-2L35K-4-MM-xx-L1X-X-XX-4-X	RM2DI-2L35K-8-MM-xx-L1X-X-XX-[34]-X	For more Metalumen DLC Approved Products, visit the DLC Website
		RM2DI-2L40K-4-MM-xx-L2X-X-XX-[34]-X	RM2DI-2L35K-8-MM-xx-L2X-X-XX-[34]-X	
		RM2DI-2L40K-4-MM-xx-L3X-X-XX-[34]-X	RM2DI-2L35K-8-MM-xx-L3X-X-XX-[34]-X	
			RM2DI-2L40K-8-MM-xx-L1X-X-XX-[34]-X	
			RM2DI-2L40K-8-MM-xx-L2X-X-XX-[34]-X	
		RM2DI-2L40K-8-MM-xx-L3X-X-XX-[34]-X		

PATTERNS

	Square (G)	Rectangle (G)	U-Shape (U)	L-Shape (L)
Select Pattern				
Pattern Configuration				
Indicate Desired Lengths (ft)	A =	A = B =	A = B = C =	A = B =
Minimum Lengths	4' for all sides		A = 3', B = 4', C = 3'	A = 3', B = 3'

Record drawings will be sent out upon order showing mounting locations.

CONTINUOUS ROWS

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

Step 2) ← Pods → If applicable, select pod(s) per row to indicate desired Emergency lighting 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	Along / Start Length	Mid Length(s)	End Length	Asymmetric Reflector Light Throw Direction	ROWS IN PLAN VIEW
							Rows are for demonstration purposes only and are not to scale.
	4'	1269 [50.0]	4			↑	1257 [49.5]
	8'	2468 [97.9]	8			↑	2474 [97.4]
	12'	3703 [145.8]	12			↑	3691 [145.3]
	16'	4924 [193.9]	8		8	↑	2452 [96.5] 2460 [96.9]
	20'	6141 [241.8]	12		8	↑	3669 [144.5] 2460 [96.9]
	24'	7358 [289.7]	12		12	↑	3669 [144.5] 3677 [144.8]
	28'	8578 [337.7]	8	12	8	↑	2452 [96.5] 3654 [143.9] 2460 [96.9]
	32'	9796 [385.7]	12	8	12	↑	3669 [144.5] 2438 [96.0] 3677 [144.8]
	36'	11012 [433.5]	12	12	12	↑	3669 [144.5] 3654 [143.9] 3677 [144.8]
	40'	12233 [481.6]	12	8, 8	12	↑	3669 [144.5] 2438 [96.0] 2438 [96.0] 3677 [144.8]
	44'	13450 [529.5]	12	12, 8	12	↑	3669 [144.5] 3654 [143.9] 2438 [96.0] 3677 [144.8]
	48'	14666 [577.4]	12	12, 12	12	↑	3669 [144.5] 3654 [143.9] 3654 [143.9] 3677 [144.8]

LEGEND

- Standard (STD) Wire Entry Location (located 15mm from end on top of fixture)
- Emergency (EM) / Night Light Location
- EM or Battery Wire Entry Location (located 15mm from end on top of fixture)

Mounting Points

A A

A = Distance Between Mounting Points

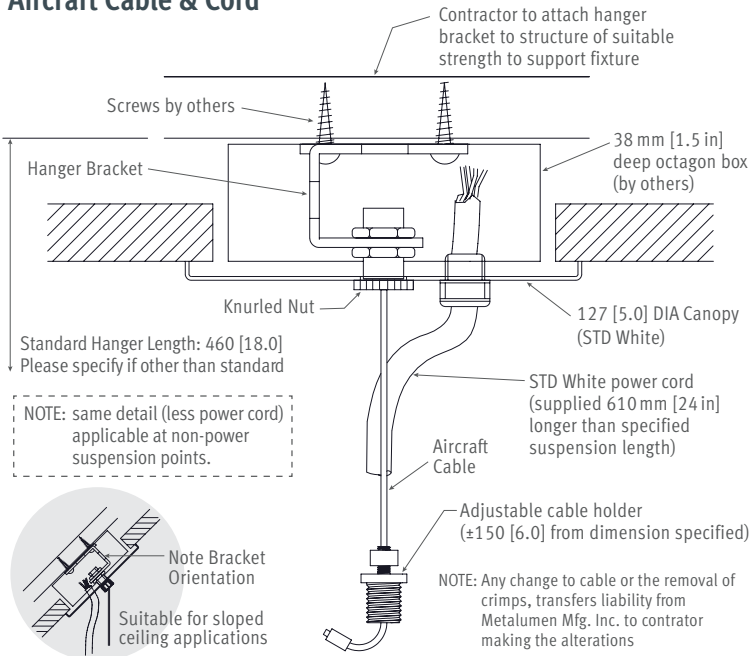
EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run

Refer to page 4 for Hanger information

HANGERS

Aircraft Cable & Cord

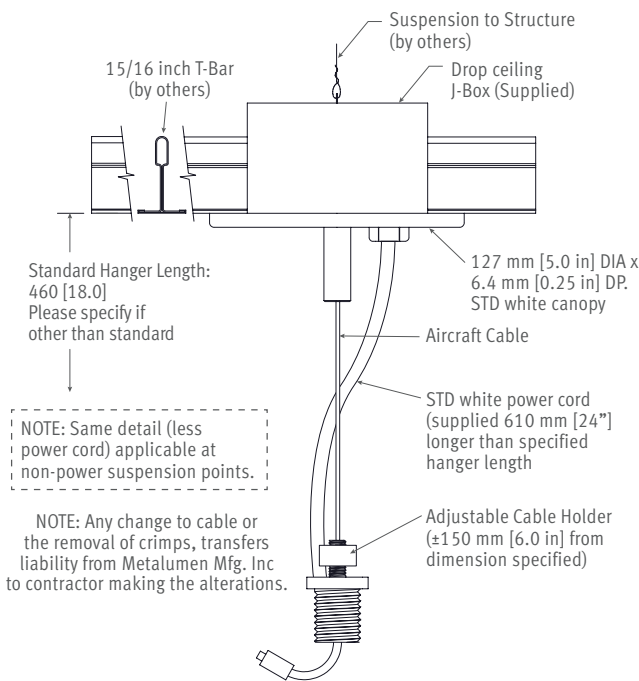


Select Cable Length and Canopy Finish:

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
<input type="checkbox"/>	Custom length:	

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

T-Bar Aircraft Cable & Cord



PHOTOMETRIC DATA - 3500K - L3

Optics Up: Meta Blanc
Optics Down: Meta Blanc

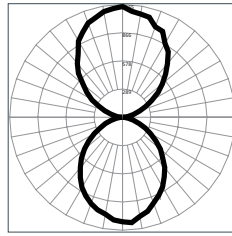
File Name: RM2DI-2L35K-4-MBMB-L3
Luminaire Lumens: 5006
Total Watts: 48.3
Efficacy: 104 lm/W

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	107	107	107	98	98	98	98	82	82	82	82
1	98	94	90	86	90	86	83	80	73	70	68	
2	89	82	76	71	82	76	71	66	64	60	57	
3	82	72	65	60	75	67	61	56	57	52	48	
4	75	64	57	51	69	60	53	48	51	45	41	
5	69	57	49	44	63	53	46	41	45	40	36	
6	63	52	44	38	58	48	41	36	41	36	31	
7	59	47	39	33	54	43	36	32	37	32	28	
8	54	42	35	30	50	40	33	28	34	29	25	
9	51	39	31	26	47	36	30	25	31	26	22	
10	47	36	28	24	44	33	27	23	29	24	20	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	9541	4598	3605
55	8174	3146	2432
65	6518	1946	1426
75	4336	954	670
85	1936	217	147

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	30	60	90	120
0	1070	1070	1070	1070	1070
5	1080	1052	1077	1052	1027
10	1030	1043	1022	1027	1010
15	996	991	976	985	979
20	931	950	935	930	937
25	880	888	886	880	863
30	823	812	798	794	813
35	744	737	722	713	737
40	673	659	627	624	647
45	582	581	548	526	548
50	508	491	452	440	459
55	417	397	374	363	372
60	331	319	298	282	297
65	257	238	223	211	220
70	180	173	158	147	157
75	116	113	99	96	97
80	63	58	53	48	51
85	26	23	20	20	21
90	4	3	4	4	4
95	22	19	17	16	17
100	60	60	55	51	53
105	114	117	109	102	108
110	187	184	172	168	175
115	266	267	247	249	257
120	347	347	329	329	339
125	443	432	428	419	429
130	531	531	516	518	528
135	624	635	606	614	614
140	717	722	701	707	708
145	819	804	799	798	793
150	874	889	880	866	890
155	972	951	949	952	966
160	986	1016	1025	1010	1005
165	1060	1059	1069	1065	1072
170	1073	1089	1095	1105	1104
175	1089	1130	1140	1126	1124
180	1136	1136	1136	1136	1136

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	378	7.5
0-30	782	15.6
0-40	1241	24.7
0-60	2024	40.4
0-80	2370	47.3
0-90	2398	47.8
10-90	2299	45.8
20-40	863	17.2
20-50	1297	25.9
40-70	1015	20.2
60-80	347	6.9
70-80	114	2.3
80-90	28	0.6
90-110	147	2.9
90-120	405	8.1
90-130	792	15.8
90-150	1771	35.3
90-180	2616	52.2
110-180	2469	49.2
0-180	5015	100

Optics Up: Meta Blanc
Optics Down: Drop Lens

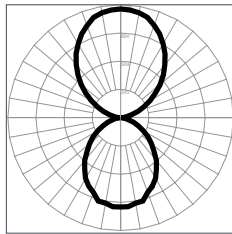
File Name: RM2DI-2L35K-4-MBMD-L3
Luminaire Lumens: 5088
Total Watts: 48.3
Efficacy: 105 lm/W

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	106	106	106	97	97	97	97	81	81	81	
1	96	92	88	84	88	84	81	78	70	68	65	
2	88	80	74	69	80	74	68	64	61	58	54	
3	80	71	63	57	73	65	59	53	54	50	46	
4	73	63	55	49	67	58	51	45	48	43	39	
5	67	56	48	42	61	51	44	39	43	38	34	
6	62	50	42	36	57	46	39	34	39	34	29	
7	57	45	37	32	52	42	35	30	35	30	26	
8	53	41	33	28	49	38	31	26	32	27	23	
9	50	37	30	25	45	35	28	24	30	24	21	
10	46	34	27	22	42	32	26	21	27	22	19	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	7978	3639	3026
55	6725	2691	2264
65	5152	1856	1578
75	3288	1211	1056
85	1595	704	665

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	932	932	932	932	932
5	934	924	955	935	931
10	906	915	924	908	912
15	902	891	877	866	859
20	829	834	828	813	831
25	787	777	776	767	754
30	731	722	711	697	683
35	654	652	632	634	620
40	582	582	567	560	563
45	493	498	494	500	494
50	424	426	429	434	448
55	350	354	371	379	384
60	277	292	309	328	322
65	209	222	251	274	269
70	147	167	200	223	223
75	92	118	156	174	176
80	50	78	114	130	137
85	23	49	84	103	105
90	8	33	67	82	87
95	26	45	74	89	90
100	62	82	108	116	117
105	122	140	154	168	172
110	193	203	226	224	227
115	266	284	298	303	299
120	356	365	378	386	379
125	444	460	471	467	458
130	539	547	555	556	553
135	632	637	645	652	652
140	719	728	732	733	738
145	811	819	823	817	809
150	889	890	892	903	892
155	964	967	949	964	975
160	1025	1009	1011	1021	1027
165	1084	1066	1072	1071	1057
170	1114	1111	1092	1111	1112
175	1127	1146	1127	1143	1179
180	1136	1136	1136	1136	1136

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	335	6.6
0-30	691	13.6
0-40	1091	21.4
0-60	1805	35.4
0-80	2207	43.3
0-90	2292	45
10-90	2203	43.2
20-40	755	14.8
20-50	1140	22.4
40-70	961	18.9
60-80	402	7.9
70-80	155	3.1
80-90	85	1.7
90-110	242	4.8
90-120	533	10.5
90-130	946	18.6
90-150	1952	38.3
90-180	2804	55
110-180	2562	50.3
0-180	5095	100

PHOTOMETRIC DATA - 3500K - L3

Optics Up: Meta Ice
Optics Down: Meta Ice

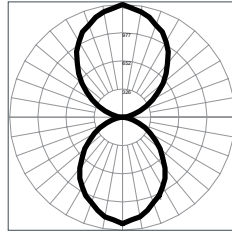
File Name: RM2DI-2L35K-4-MM-L3
Luminaire Lumens: 5616
Total Watts: 48.3
Efficacy: 116 lm/W

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	93	90	86	90	86	83	80	72	70	68
1	89	82	76	71	82	76	71	66	64	60	57
2	82	72	65	60	75	67	61	56	57	52	48
3	75	64	57	51	69	60	53	48	51	45	41
4	69	57	50	44	63	53	46	41	45	40	36
5	63	52	44	38	58	48	41	36	41	36	31
6	59	47	39	33	54	43	36	32	37	32	28
7	54	42	35	30	50	40	33	28	34	29	25
8	51	39	31	26	47	36	30	25	31	26	22
9	47	36	29	24	44	33	27	23	29	24	20
10											

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	10770	5143	4055
55	9140	3541	2644
65	7341	2174	1534
75	4852	1025	719
85	2039	237	159

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1229	1229	1229	1229	1229
5	1189	1200	1178	1166	1164
10	1167	1153	1198	1137	1182
15	1112	1115	1116	1100	1106
20	1047	1063	1055	1046	1055
25	1001	1005	997	971	966
30	928	917	910	886	884
35	860	842	815	798	785
40	767	750	727	703	680
45	657	655	631	605	591
50	570	552	529	496	487
55	466	456	434	409	395
60	374	364	342	315	309
65	290	278	258	235	227
70	199	199	182	164	161
75	130	129	114	103	103
80	70	69	60	54	52
85	27	25	24	21	21
90	5	4	3	4	4
95	23	21	20	19	18
100	67	67	65	61	56
105	134	131	124	117	117
110	214	210	201	197	190
115	302	300	286	277	277
120	403	400	389	378	370
125	502	503	490	481	470
130	612	601	592	584	579
135	715	704	693	687	690
140	810	811	807	803	798
145	925	906	897	896	893
150	1006	1006	997	979	989
155	1089	1091	1066	1070	1091
160	1132	1137	1136	1155	1144
165	1197	1199	1221	1187	1223
170	1238	1277	1241	1244	1250
175	1262	1270	1272	1273	1262
180	1303	1303	1303	1303	1303

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	426	7.6
0-30	880	15.6
0-40	1392	24.7
0-60	2263	40.2
0-80	2645	47
0-90	2675	47.5
10-90	2562	45.5
20-40	966	17.2
20-50	1450	25.8
40-70	1128	20.1
60-80	381	6.8
70-80	125	2.2
80-90	30	0.5
90-110	165	2.9
90-120	454	8.1
90-130	892	15.9
90-150	1995	35.5
90-180	2951	52.5
0-180	5626	100

Optics Up: Meta Ice
Optics Down: Meta Ice w/ Asymmetric Reflector

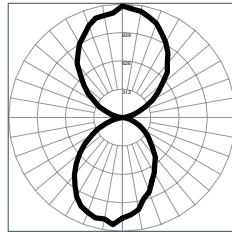
File Name: RM2DI-2L35K-4-MMA-L3
Luminaire Lumens: 5578
Total Watts: 48.3
Efficacy: 115 lm/W

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	93	90	86	90	86	83	80	72	70	68
1	89	82	76	71	82	75	70	66	64	60	57
2	81	72	65	59	75	67	60	55	56	52	48
3	74	64	56	50	68	59	52	47	50	45	41
4	68	57	49	43	63	53	46	41	45	40	35
5	63	51	43	38	58	48	40	35	41	35	31
6	58	46	38	33	54	43	36	31	37	31	27
7	54	42	34	29	50	39	32	28	34	28	24
8	50	38	31	26	46	36	29	25	31	25	22
9	47	35	28	23	43	33	26	22	28	23	20
10											

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	2995	3763	8329
55	2079	2705	7058
65	1272	1780	5642
75	658	873	3804
85	166	210	1423

CANDELA DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1138	1138	1138	1138	1138
5	1080	1086	1062	1087	1110
10	1018	1011	1017	1054	1089
15	934	935	975	1033	1048
20	887	884	905	936	997
25	794	819	838	880	957
30	716	730	758	827	878
35	645	650	696	758	822
40	555	570	609	653	737
45	487	493	529	582	656
50	417	426	455	508	571
55	339	345	372	410	465
60	268	276	301	337	382
65	202	211	232	256	288
70	144	153	160	187	205
75	98	97	104	114	132
80	53	55	58	62	70
85	23	22	22	25	24
90	4	4	4	4	6
95	23	25	27	31	32
100	67	69	76	80	80
105	128	134	139	150	153
110	201	205	223	236	239
115	285	296	308	327	329
120	371	392	404	420	428
125	464	481	508	534	532
130	579	597	610	624	631
135	685	682	713	735	725
140	789	793	799	821	825
145	894	891	902	919	893
150	968	973	974	1003	987
155	1044	1056	1040	1058	1064
160	1107	1092	1124	1126	1119
165	1136	1144	1179	1151	1150
170	1201	1178	1203	1192	1182
175	1149	1247	1215	1214	1237
180	1250	1250	1250	1250	1250

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	399	7.1
0-30	831	14.9
0-40	1331	23.8
0-60	2215	39.6
0-80	2612	46.8
0-90	2642	47.3
10-90	2537	45.4
20-40	932	16.7
20-50	1417	25.4
40-70	1153	20.6
60-80	398	7.1
70-80	129	2.3
80-90	30	0.5
90-110	185	3.3
90-120	489	8.8
90-130	935	16.7
90-150	2028	36.3
90-180	2945	52.7
0-180	2760	49.4
0-180	5587	100