

Stail RMEP6

LED . Pendant



MetaICE

META



CAT #:

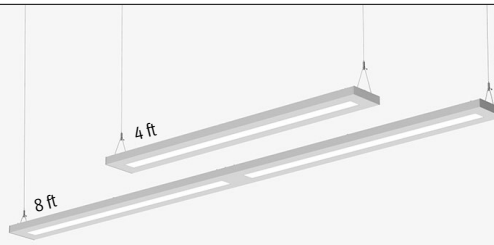
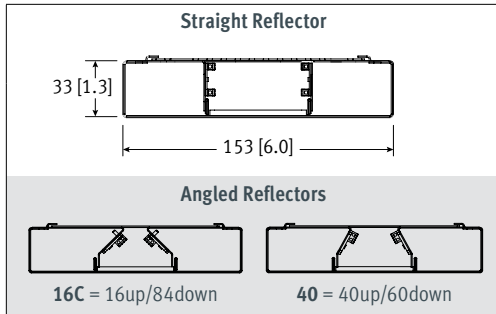
PREP BY:

DATE:

PROJECT:

TYPE:

NOTES:



ORDERING LOGIC

Example part number: RMEP6-L35K-8-ODCM-SG-L31-PA-4-D-90

Model		Optics																																													
RMEP6				M																																											
Series	Color Temp	Length	Up	Down	Finish	LL/Driver	Circuitry	Mounting	Voltage	Controls	Options																																				
Color Temp		Optics Up			Light Level (LL) / Driver				Circuitry	Voltage																																					
2L30K = 3000K		40 = No Optics Angled Reflector (40up/60down)			Performance at 3500K Standard 0-10V Dimming. See p7 for additional info.				1 = 1 Circuit	1 = 120 V																																					
2L35K = 3500K		16C = Clear Optics Angled Reflector (16up/84down)							EM = Emergency/Night Light*		2 = 277 V																																				
2L40K = 4000K		73 = No Optics Straight Reflector (73up/27down)							B = Battery Pack* (Remote mounted)		4 = UNV (120-277V)																																				
Length		C = Clear Optics Straight Reflector (65up/35down)			<table><tr><th rowspan="2">Light Level</th><th colspan="5">Optics (up/down)</th></tr><tr><th>40/M (40u/60d)</th><th>16C/M (16u/84d)</th><th>73/M (73u/27d)</th><th>C/M (65u/35d)</th><th>ODC/M (55u/45d)</th></tr><tr><td>L1</td><td>2987</td><td>2817</td><td>3178</td><td>3068</td><td>2842</td></tr><tr><td>L2</td><td>3804</td><td>3586</td><td>4046</td><td>3906</td><td>3619</td></tr><tr><td>L3</td><td>5462</td><td>5148</td><td>5811</td><td>5610</td><td>5197</td></tr><tr><td>L4</td><td>10452</td><td>9854</td><td>11121</td><td>10733</td><td>9945</td></tr></table> Based on 4ft sections.				Light Level	Optics (up/down)					40/M (40u/60d)	16C/M (16u/84d)	73/M (73u/27d)	C/M (65u/35d)	ODC/M (55u/45d)	L1	2987	2817	3178	3068	2842	L2	3804	3586	4046	3906	3619	L3	5462	5148	5811	5610	5197	L4	10452	9854	11121	10733	9945	Mounting		Controls	
Light Level	Optics (up/down)																																														
	40/M (40u/60d)	16C/M (16u/84d)	73/M (73u/27d)	C/M (65u/35d)					ODC/M (55u/45d)																																						
L1	2987	2817	3178	3068					2842																																						
L2	3804	3586	4046	3906	3619																																										
L3	5462	5148	5811	5610	5197																																										
L4	10452	9854	11121	10733	9945																																										
4 = 4 ft		ODC = Opal Optics Straight Reflector(55up/45down)			<table><tr><th colspan="3">Lumen Adjustment Factor</th></tr><tr><th>Color Temp</th><th>80 CRI</th><th>90 CRI</th></tr><tr><td>3000K</td><td>0.984</td><td>0.873</td></tr><tr><td>3500K</td><td>1.000</td><td>0.875</td></tr><tr><td>4000K</td><td>1.032</td><td>0.879</td></tr></table>				Lumen Adjustment Factor			Color Temp	80 CRI	90 CRI	3000K	0.984	0.873	3500K	1.000	0.875	4000K	1.032	0.879	PA = Pendant Aircraft Cable		– = None (leave space empty)																					
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3000K	0.984	0.873																																													
3500K	1.000	0.875																																													
4000K	1.032	0.879																																													
8 = 8 ft		Optics Down			PT = Pendant Aircraft Cable for T-Bar		D = Daylight Sensor																																								
R = Continuous Rows See p.3		M = Meta Ice			Select CABLE LENGTH and CANOPY FINISH on p.2		O = Occupancy Sensor																																								
Finish							DO = Daylight/Occupancy Sensor																																								
		SG = Silver/grey textured coat			Options																																										
		WT = White Textured			90 = 90 CRI																																										
		C = Custom Finish Specify RAL#:			– = None (leave space empty)																																										

* two wire entries required.

SPECIFICATIONS

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

Housing: Cold rolled steel body fabrication, 0.91mm (20 Ga.) wall thickness.

Optical System: MetalLED mid flux LED technology.

CRI: Minimum 83 CRI at 3500K

Lumen Maintenance: At an ambient operating temperature of 25°C the LED lifetime expectancy => 50 000 hrs at L70.

Finish: Silver/grey textured and white textured are standard finishes. For custom

finish, consult factory.

Weight: 1.8 kg/300mm [4 lb/ft]

Mounting: Pendant: Aircraft cable with 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 is 10%-100% range Power factor is >90% with a Class 2 rating.

Controls: Refer to Ordering Logic chart above.

Lutron Driver Options: Consult factory for Lutron driver options:

- L3DAE Hi-lume 1% EcoSystem LED Driver
- L3DA3W Hi-lume 1% 3-wire LED Driver
- LTEA2W Hi-lume 1% 2-wire LED Driver

• LDE1 Hi-lume 1% -H EcoSystem LED Driver

• LDE5 5-Series EcoSystem LED Driver

Approvals: Certified to NRTL and IES testing standards. DLC Listed (check QPL for exact listing). All components are UL and CUL listed. RoHS compliant.

Environment: Suitable for dry or damp locations.

APPROVALS

Signature

Date

FILE NAME: RMEP_LED_SPEC_SHEET_20180724

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

SPECIFICATION SHEET | PAGE 1

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.



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



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

MOUNTING

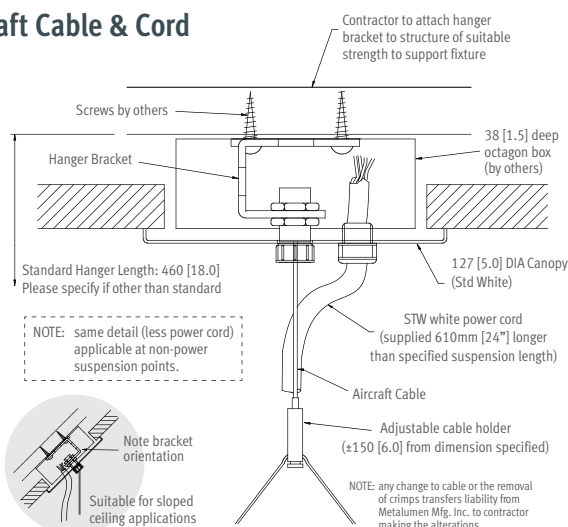
Select Cable Length and Canopy Finish:

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)
☐	12	305
☐	18	460
☐	24	610
☐	30	760
☐	36	915
☐	42	1067
☐	48	1220
☐	54	1372
☐	60	1525
☐	72	1830
☐	96	2440
☐	120	3050
☐	144	3660
☐	Custom length:	

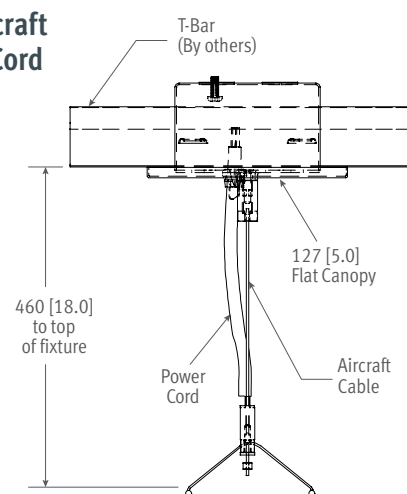
CANOPY FINISH	
☐	White Paint (Standard)
☐	Custom Specify RAL#:

HANGERS

Aircraft Cable & Cord



T-Bar Aircraft Cable & Cord



MOUNTING - ROW CONFIGURATION

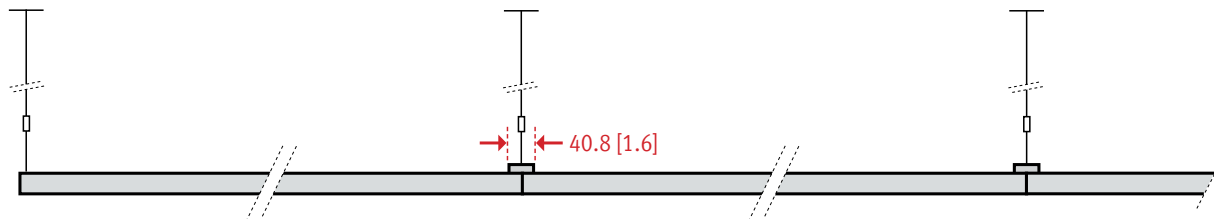
QTY	4ft	8ft	nominal run length	Actual Length		
	1x		4'	1240.0 [48.8]	1217 [47.9]	Individual Sections
		1x	8'	2480.0 [97.6]	2457 [96.7]	
	1x	1x	12'	3719 [146.4]	2468 [97.2] 1228 [48.3]	Sections in a continuous row
		2x	16'	4959 [195.2]	2468 [97.2] 2468 [97.2]	
	1x	2x	20'	6199 [244.1]	2468 [97.2] 2480 [97.6] 1228 [48.3]	
		3x	24'	7439 [292.9]	2468 [97.2] 2480 [97.6] 2468 [97.2]	
	1x	3x	28'	8679 [341.7]	2468 [97.2] 2480 [97.6] 2480 [97.6] 1228 [48.3]	
		4x	32'	9918 [390.5]	2468 [97.2] 2480 [97.6] 2480 [97.6] 2468 [97.2]	
	1x	4x	36'	11158 [439.3]	2468 [97.2] 2480 [97.6] 2480 [97.6] 2480 [97.6] 1228 [48.3]	
		5x	40'	12398 [488.1]	2468 [97.2] 2480 [97.6] 2480 [97.6] 2480 [97.6] 2468 [97.2]	
	1x	5x	44'	13638 [537.0]	2468 [97.2] 2480 [97.6] 2480 [97.6] 2480 [97.6] 2480 [97.6] 1228 [48.3]	
		6x	48'	14878 [585.7]	2468 [97.2] 2480 [97.6] 2480 [97.6] 2480 [97.6] 2480 [97.6] 2468 [97.2]	

LEGEND

Distance between mounting points

This chart is not to scale.

For more configurations, consult factory.



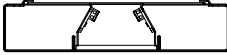
4 ft



8 ft

PHOTOMETRIC DATA - 3500K

RMEP6 L3



File Name: RMEP6-2L35K-4-40M-L3
 Luminaire Lumens: 5462
 Total Watts: 49
 Efficacy: 112 lms/W
 Optics Up: No Optics Angled (40% uplight)
 Optics Down: Meta Ice (60% downlight)

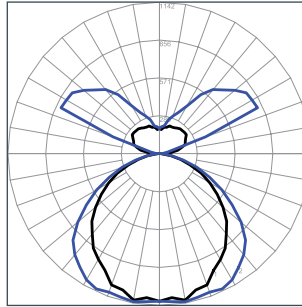
COEFFICIENTS OF UTILIZATION

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	110	110	110	110	102	102	102	102	89	89	89	
1	100	96	92	88	93	90	86	83	78	76	73	
2	91	84	77	72	85	78	73	68	69	64	61	
3	83	73	66	60	77	69	62	57	60	55	51	
4	76	65	57	51	71	61	54	48	54	48	43	
5	70	58	49	43	65	54	47	41	48	42	37	
6	64	52	44	38	60	49	41	36	43	37	32	
7	59	47	39	33	55	44	37	31	39	33	29	
8	55	42	34	29	51	40	33	28	36	30	25	
9	51	39	31	26	48	37	30	25	33	27	23	
10	48	36	28	23	45	34	27	22	30	24	20	

PHOTOMETRIC CURVE



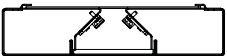
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	5210	5155	5562
55	4707	4434	4623
65	4100	3405	3463
75	3028	2126	2036
85	1689	645	549

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1111.43	1111.43	1111.43	1111.43	1111.43
5	1088.18	1141.81	1118.7	1106.53	1119.63
10	1120.62	1070.75	1098.43	1115.35	1131.57
15	1061.68	1070.74	1083.8	1113.25	1118.27
20	1051.93	1040.97	1077.92	1117.11	1111.29
25	969.58	996.02	1051.13	1101.32	1123.01
30	921.21	947.62	1012.98	1076.17	1097.6
35	867.49	892.69	956.62	1041.31	1043.54
40	785.45	815.53	894.62	964.37	991.88
45	717.97	741.75	819.35	880.08	920.07
50	627.47	654.05	723.19	778.94	804.9
55	532.53	559.46	610.18	666.11	670.88
60	440.66	454.75	503.88	538.92	545.03
65	348.56	356.39	381.78	411.21	417.07
70	247	261.26	276.02	297.69	297.35
75	164.48	166.79	176.88	184.06	187.42
80	91.06	93.29	98.21	96.75	94.63
85	37.12	33.94	33.36	31.91	33.41
90	9.37	5.83	5.21	5.12	5.76
95	80.02	51.18	28.64	26.47	25.59
100	140.47	235.83	69.54	66.43	63.26
105	171.14	358.11	317.82	109.37	106.65
110	206.87	379.84	604.06	517.72	371.65
115	214.27	377.31	607.18	761.49	818.35
120	230.11	377.28	602.62	763.04	809.14
125	248.95	364.47	572.12	735.16	800.54
130	247.66	336.02	550.92	681.89	743.83
135	246.15	308.64	492.81	633.28	679.13
140	245.06	298.77	427.86	585.2	629.39
145	236.86	287.41	360.01	485.79	543.91
150	226.12	266.97	325.3	385.27	416.63
155	221.67	248.86	287.1	330.25	341.74
160	223.03	226.72	260.11	293.29	300.85
165	206.32	217.78	228.73	251.56	264.08
170	202.69	206.55	209.68	222.07	211.59
175	181.78	193.48	199.36	210.58	205.62
180	188.84	188.84	188.84	188.84	188.84

RMEP6 L3



File Name: RMEP6-2L35K-4-16CM-L3
 Luminaire Lumens: 5148
 Total Watts: 49
 Efficacy: 106 lms/W
 Optics Up: Clear Dust Cover (16% uplight)
 Optics Down: Meta Ice (84% downlight)

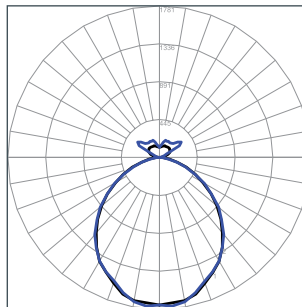
COEFFICIENTS OF UTILIZATION

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	115	115	115	115	111	111	111	111	102	102	102	
1	106	101	97	94	101	98	94	91	90	88	85	
2	97	89	83	77	93	86	80	75	80	75	71	
3	88	79	71	65	85	76	69	63	70	65	60	
4	81	70	62	55	78	67	60	54	63	57	52	
5	75	62	54	48	71	60	53	47	57	50	45	
6	69	56	48	42	66	55	47	41	51	44	39	
7	64	51	43	37	61	50	42	36	47	40	35	
8	60	47	39	33	57	45	38	32	43	36	31	
9	56	43	35	30	53	42	34	29	39	33	28	
10	52	39	32	27	50	38	31	26	36	30	26	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

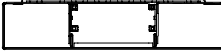
Vertical Angle	Horizontal Angle		
	0	45	90
45	7425	6461	6268
55	6573	5378	5156
65	5529	4038	3832
75	4086	2486	2268
85	2183	783	699

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1734.36	1734.36	1734.36	1734.36	1734.36
5	1712.98	1781.08	1737.38	1742.15	1752.53
10	1710.16	1712.94	1693.13	1686.41	1719.76
15	1662.25	1650.31	1642.57	1621.88	1646.25
20	1572.18	1578.69	1569.53	1568.07	1550.68
25	1487.64	1487.36	1483.52	1489.66	1482.45
30	1408.14	1384.18	1387.25	1392.53	1405.11
35	1288.12	1269.18	1281.42	1295.93	1292.05
40	1153.52	1154.32	1151.39	1165.95	1178.97
45	1023.22	1009.94	1027.01	1036.96	1036.82
50	884.77	874.39	887.1	902.17	910
55	743.58	732.32	740.11	752.92	748.23
60	595.54	594.53	588.8	603.83	612.73
65	470.06	459.97	452.71	456.06	461.41
70	338.42	326.52	322.85	333.73	322.33
75	221.93	210.06	206.82	205.17	208.77
80	123.62	114.43	113.93	108.69	111.66
85	47.96	43.82	40.53	40.21	42.58
90	6.63	3.83	4.89	5.22	5.99
95	8.34	5.68	4.38	3.78	3.84
100	35.02	26.72	18.75	18.53	18.83
105	71.77	74.15	38.88	39.04	38.22
110	107.82	115.2	103.03	62.84	63.34
115	131.41	131.68	209.4	119.33	90.76
120	149.07	155.58	208.96	294.87	273.53
125	149.56	176.24	192.22	286.13	313.65
130	159.41	194.67	187.86	241.77	280.07
135	161.87	203.72	194.48	218.11	234.44
140	157.22	201.04	206.79	210.13	218.27
145	151.96	198.6	213.46	212.39	209.94
150	150.76	186.03	211.79	214.76	216.38
155	151.24	171.27	207.07	211.76	209.48
160	143.26	155.35	187.57	206.04	215.68
165	136.87	147.27	166.37	186.81	185.63
170	129.46	135.42	147.65	158.4	153.69
175	127.43	132.18	137.56	133.24	132.85
180	121.83	121.83	121.83	121.83	121.83

PHOTOMETRIC DATA - 3500K

RMEP6 L3



File Name: RMEP6-2L35K-4-73M-L3
 Luminaire Lumens: 5811
 Total Watts: 49
 Efficacy: 119 lms/W
 Optics Up: No Optics (73% uplight)
 Optics Down: Meta Ice (27% downlight)

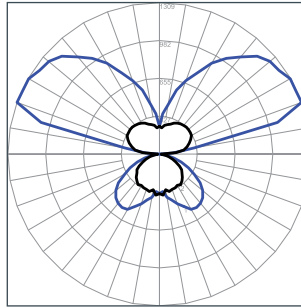
COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	10
RCR												
0	102	102	102	102	91	91	91	91	71	71	71	
1	93	88	84	81	83	79	76	73	62	59	58	
2	84	77	71	66	75	69	64	59	54	50	47	
3	76	67	60	54	68	60	54	49	47	43	39	
4	70	59	51	45	62	53	46	41	41	37	33	
5	64	52	44	38	56	47	40	35	37	32	28	
6	58	46	39	33	52	42	35	30	33	28	24	
7	54	42	34	28	48	37	31	26	29	24	21	
8	50	38	30	25	44	34	27	23	27	22	18	
9	46	34	27	22	41	31	24	20	24	19	16	
10	43	31	24	19	38	28	22	18	22	17	14	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	2055	2687	3218
55	2076	2528	2966
65	1869	2101	2317
75	1544	1365	1436
85	908	454	384

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	340.01	340.01	340.01	340.01	340.01
5	354.81	320.36	339.39	338.35	325.23
10	310.25	336.44	344.08	360.71	378
15	333.51	343.8	372.15	394.49	409.32
20	324.89	347.13	394.88	449.36	458.07
25	320.52	354.24	431.07	483.66	498.44
30	310.93	358.73	443.61	516.97	551.05
35	321.33	360.25	451.48	530.42	560.97
40	302.61	353.32	443.25	521.42	553.2
45	283.15	333.79	427.14	504.09	532.43
50	254.95	302.45	397.96	457.52	488.84
55	234.86	274.66	347.88	401.91	430.4
60	202.19	231.44	286.94	335.41	347.94
65	158.88	185.25	235.57	266.23	279.05
70	122.02	142.55	172.15	189.75	202.71
75	83.86	93.02	113.6	126.88	132.22
80	47.65	54.29	61.8	70.18	68.29
85	19.96	22.54	23.48	24.06	23.37
90	15.43	7.05	4.96	5.39	4.96
95	146.98	193.03	86.97	99.27	118.44
100	213.55	503.61	517.32	299.99	305.81
105	247.63	584.66	894.42	1098.65	1059.28
110	276.79	631.54	936.43	1191.32	1309.22
115	299.67	655.6	977.33	1209.9	1302.37
120	319.95	660.39	1008.8	1212.72	1305.63
125	326.53	643.45	995.05	1206.64	1262.95
130	329.49	625.38	960.58	1179.24	1246.47
135	329.58	595.31	909.24	1125.91	1195.23
140	326.64	561.53	849.77	1040.39	1096.03
145	317.99	534.93	786.5	954.4	1009.03
150	308.84	481.43	707.32	857.22	908.57
155	296.64	439.23	627.29	758.06	772.78
160	276.88	395.56	546.74	635.54	677.13
165	265.17	357.58	457.2	535.31	572.43
170	252.8	313.95	379.65	424.82	434.94
175	227.84	263.28	305.53	324.43	352.36
180	238.75	238.75	238.75	238.75	238.75

RMEP6 L3



File Name: RMEP6-2L35K-4-CM-L3
 Luminaire Lumens: 5610
 Total Watts: 49
 Efficacy: 115 lms/W
 Optics Up: Clear Dust Cover (65% uplight)
 Optics Down: Meta Ice (35% downlight)

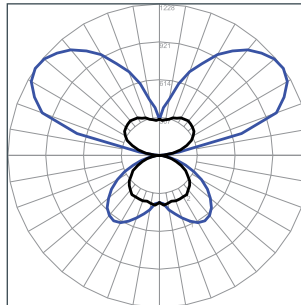
COEFFICIENTS OF UTILIZATION

Zonal Cavity Method

Effective Floor Cavity Reflectance = .20

RC	80				70				50			
RW	70	50	30	10	70	50	30	10	50	30	10	10
RCR												
0	103	103	103	103	93	93	93	93	74	74	74	
1	94	89	86	82	84	81	77	75	64	62	60	
2	85	78	72	66	76	70	65	61	56	52	49	
3	77	68	61	55	69	61	55	50	49	44	41	
4	70	60	52	46	63	54	47	42	43	38	34	
5	64	53	45	39	58	48	41	36	38	33	29	
6	59	47	39	33	53	43	36	30	34	29	25	
7	54	42	34	29	49	38	31	26	31	26	22	
8	50	38	30	25	45	35	28	23	28	23	19	
9	47	34	27	22	42	31	25	20	25	20	17	
10	43	31	24	20	39	29	22	18	23	18	15	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	2505	3108	3610
55	2443	2917	3276
65	2295	2375	2571
75	1871	1544	1639
85	1118	561	482

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	381.89	381.89	381.89	381.89	381.89
5	404.44	390.73	396.27	407.16	391.15
10	394.76	395.48	423.87	439.46	448.7
15	383.89	405.76	442.62	474.66	491.33
20	390.4	407.14	471.4	516.64	539.78
25	390.09	423.11	491.58	565.18	588.33
30	385.97	431.93	512.79	596.7	626.99
35	388.22	431.61	525.98	610.11	646.09
40	364.5	416.89	515.86	598.87	632.14
45	345.21	393.68	494.01	576.61	597.24
50	319.45	366.65	453.91	520.03	538.72
55	276.41	323.93	401.39	455.07	475.44
60	245.89	275.6	336.18	377.35	395.1
65	195.13	219.9	266.27	301.53	309.57
70	145.06	164.35	197.43	223.27	226.01
75	101.62	111.65	128.43	142.83	150.87
80	58.76	62.15	71.78	78.38	79.74
85	24.57	25.95	29.01	28.17	29.32
90	3.68	2.99	2.84	2.97	3.37
95	40.18	54.81	27.15	32.39	37.19
100	111.8	241.68	249.94	159.76	162.77
105	177.37	379.2	568.93	704.81	690.7
110	234.75	497.78	720.32	916.33	1012.34
115	286.86	575.11	839.02	1042.88	1116
120	318.36	614.88	931.1	1112.97	1200.1
125	342.92	631.7	966.05	1143.9	1227.86
130	352.47	628.09	958.79	1149.82	1217.56
135	359.65	617.22	920.86	1117.6	1172.86
140	365.22	594.91	873.78	1051.11	1115.59
145	358.39	566.21	808.92	974.37	1032.49
150	351.48	528.9	743.98	891.13	944.53
155	333.79	484.33	670.74	787.18	819.59
160	325.12	438.6	585.5	672.25	722.25
165	301.72	400.83	504.52	564.02	602.61
170	295.55	346.54	420.51	466.92	463.26
175	285.92	306.34	364.81	375.92	387.81
180	293.14	293.14	293.14	293.14	293.14

PHOTOMETRIC DATA - 3500K

RMEP6 L3



File Name: RMEP6-2L35K-4-ODCM-L3
Luminaire Lumens: 5197
Total Watts: 49
Efficacy: 107 lms/W
Optics Up: Opal Optics (55% uplight)
Optics Down: Meta Ice (45% downlight)

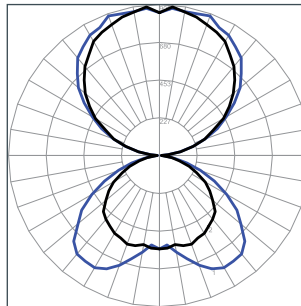
COEFFICIENTS OF UTILIZATION

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												
0	106	106	106	106	97	97	97	97	81	81	81	
1	96	92	88	84	88	84	81	78	70	68	66	
2	87	80	74	68	80	73	68	63	61	57	54	
3	79	70	62	56	72	64	58	52	53	49	45	
4	72	61	53	47	66	56	49	44	47	42	38	
5	66	54	46	40	60	50	43	37	42	36	32	
6	61	49	40	34	55	45	37	32	37	32	28	
7	56	44	35	30	51	40	33	28	34	28	24	
8	52	39	31	26	47	36	29	24	31	25	21	
9	48	36	28	23	44	33	26	22	28	22	19	
10	45	33	25	20	41	30	24	19	26	20	17	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	3443	3821	4392
55	3275	3526	3930
65	2908	2848	3029
75	2295	1852	1870
85	1465	678	640

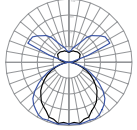
CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	559.71	559.71	559.71	559.71	559.71
5	559.05	547.63	564.42	585.3	539.19
10	542.82	569.92	576.08	591.72	589.88
15	559.68	565.34	596.92	625.87	641.45
20	565.11	574.7	631.88	686.97	699.79
25	546.5	586.41	656.4	711.5	749.24
30	539.61	577.97	663.92	749.15	777.25
35	517.99	561.42	668.36	755.75	775.31
40	498.86	544.79	652.9	732.22	770.2
45	474.41	514.21	607.35	689.44	726.59
50	418.27	469.79	557.78	624.1	638.4
55	370.45	411.49	485.31	546.26	570.3
60	318.77	347.25	402.96	449.91	468.11
65	247.26	278.92	319.26	354.41	364.7
70	189.82	206.99	238.58	259.92	261.26
75	124.68	135.57	154.05	170.31	172.11
80	74.78	77.31	88.12	95.4	93.38
85	32.19	30.98	35.1	37.55	39
90	11.55	11.23	10.38	11.55	10.76
95	54.13	52.95	52.64	51.05	50.92
100	127.99	128.27	124.51	127.75	126.25
105	209.62	207.79	212.89	206.47	210.97
110	291.11	291.62	289.86	297.71	295.77
115	355.21	372.1	370.24	379.89	383.8
120	444.82	446.27	459.52	468.84	463.66
125	512.37	519	539.8	549.31	550.43
130	580.99	587.62	605.28	624.51	633.61
135	639.41	647.39	671.32	691.19	696.35
140	697.02	710.22	737.9	741.38	764.45
145	740	752.08	781.73	793.31	798.6
150	790.79	803.99	824.07	833.81	834.06
155	816.24	814.3	824.42	853.82	848.77
160	837.22	843.66	850.91	868.4	892.61
165	860.08	870.81	880.26	886.96	880.66
170	876.07	870.95	865.72	906.19	877.12
175	895.1	886.8	890.17	887.26	887.11
180	858.31	858.31	858.31	858.31	858.31

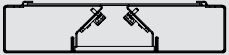
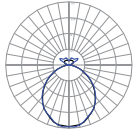
OPTICS UP DISTRIBUTION PHOTOMETRICS

Cross Section	Part Number	Delivered Lumens	Input Wattage	Efficacy LM / W	Direct Lumens	Direct %	Indirect Lumens	Indirect %	DISTRIBUTION PHOTOMETRY
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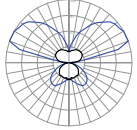
40 = No Optics Angled Reflector (40up/60down)

	RMEP6-2L35K-4-40M-SG-L11-PA-1	2987	27.8	107	1797	60%	1191	40%	
	RMEP6-2L35K-4-40M-SG-L21-PA-1	3804	35.4	107	2289	60%	1517	40%	
	RMEP6-2L35K-4-40M-SG-L31-PA-1	5462	48.6	112	3286	60%	2178	40%	
	RMEP6-2L35K-4-40M-SG-L41-PA-1	10452	87.2	107	6289	60%	4168	40%	

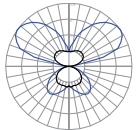
16C = Clear Optics Angled Reflector (16up/84down)

	RMEP6-2L35K-4-16CM-SG-L11-PA-1	2817	27.8	101	2358	84%	462	16%	
	RMEP6-2L35K-4-16CM-SG-L21-PA-1	3586	35.2	101	3004	84%	587	16%	
	RMEP6-2L35K-4-16CM-SG-L31-PA-1	5148	48.6	106	4310	84%	844	16%	
	RMEP6-2L35K-4-16CM-SG-L41-PA-1	9854	97.2	101	8247	84%	1619	16%	

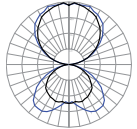
73 = No Optics Straight Reflector (73up/27down)

	RMEP6-2L35K-4-73M-SG-L11-PA-1	3178	27.8	114	877	27.6%	2300	72.4%	
	RMEP6-2L35K-4-73M-SG-L21-PA-1	4046	35.4	114	1115	27.6%	2929	72.4%	
	RMEP6-2L35K-4-73M-SG-L31-PA-1	5811	48.6	119	1602	27.6%	4206	72.4%	
	RMEP6-2L35K-4-73M-SG-L41-PA-1	11121	97.2	114	3065	27.6%	8052	72.4%	

C = Clear Optics Straight Reflector (65up/35down)

	RMEP6-2L35K-4-CM-SG-L11-PA-1	3068	27.8	110	1019	33.2%	2049	66.8%	
	RMEP6-2L35K-4-CM-SG-L21-PA-1	3906	35.4	110	1296	33.2%	2610	66.8%	
	RMEP6-2L35K-4-CM-SG-L31-PA-1	5610	48.6	115	1862	33.2%	3747	66.8%	
	RMEP6-2L35K-4-CM-SG-L41-PA-1	10733	97.2	110	3561	33.2%	7170	66.8%	

ODC = Opal Optics Straight Reflector (55up/45down)

	RMEP6-2L35K-4-ODCM-SG-L11-PA-1	2842	27.8	102	1283	45.1%	1562	54.9%	
	RMEP6-2L35K-4-ODCM-SG-L21-PA-1	3619	35.4	102	1633	45.1%	1988	54.9%	
	RMEP6-2L35K-4-ODCM-SG-L31-PA-1	5197	48.6	107	2346	45.1%	2854	54.9%	
	RMEP6-2L35K-4-ODCM-SG-L41-PA-1	9945	97.2	102	4495	45.2%	5457	54.8%	