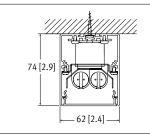
Rail RM2D Fluorescent . Surface









C	AT #:		
P	PREP BY:		
D	ATE:		
Р	PROJECT:		
Т	YPE:		
N	IOTES:		

ORDERING LOGIC

		Optics			
RM2D				S	
Series # of lam	nps Source Ler	ngth Up Down	Finish Ballast Circ	uitry Mounting	Voltage Controls
# of Lamps	Source	Optics Up	Finish	Circuitry	Voltage
1 = 1 Lamp	T8	_ = None (leave space empty)	SA = Satin Aluminum	1 = 1 Circuit	1 = 120 V
1S = 1 Staggered * (w/ Metalce only)	T5	Optics Down	W = White	AS = Alternate Switching	2 = 277 V
* T5/T5HO only	Т5НО	SP = Specular Parabolic Louver (not available with T8)	C = Custom Finish <i>Specify RAL#</i> :	EM = Emergency/Night Light	3 = 347 V (Consult Factory)
	Length	SSP = Semi Specular Parabolic Louver (not available with T8)		B = Battery Pack	4 = UNV (120-277)
	4 = 4 ft	M = Meta Ice	Ballast	Mounting	Controls
	8 = 8 ft	A = Asymmetric Reflector (not available with T8)	E = Electronic Instant Start (T8)	S = Surface (Ceiling)	= None (leave space empty)
	12 = 12 ft	MA = Meta Ice with Asymmetric Reflector (not available	R = Programmed Rapid Start		D = Daylight Sensor
	R = Continuous Rows Consult factory	with T8)	D1 = 0-10V Dimming		0 = Occupancy Sensor
			D2 = DALI		DO = Daylight/Occupancy Sensor

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. 63mm [2.5"] wide x 74mm [2.9"] high. Steel formed end caps.

Optics: Specular and semi-specular parabolic louvre (not available with T8 lens; asymmetric reflector open bottom (not Mounting: Surface: Direct to surface mount above. available with T8 lamps).

Finish: Satin aluminum and white are standard. For custom finish, contact factory.

lamps); high-transmittance snap-in Metalce Weight: 0.95 kg/300mm [2.1 lb/ft]

Electrical: Factory prewired with twist and lock sockets.

Ballast: Instant Start, Programmed Rapid Start, 0-10V Dimming, DALI

Controls: Refer to Ordering Logic chart

Approvals: Certified to NRTL and IES testing standards. This product is cULus listed. **Environment:** Suitable for dry or damp locations.

WARRANTY

Metalumen will warrant a one year parts and labour warranty. Warranty is valid if luminaire is installed and used according to specification. The Ballast will carry a standard 5 year warranty by the manufacturer. If defective, Metalumen will send replacement ballasts 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 Metalum Process.

Metalum Process.

Metalum Process.

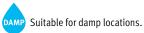
Wetalum Process.

imagery.

Metalumen's Start to End Development Process

Meta ICE META ICE is a smooth
Continuum Optical System
with a 91% transmission rate that creates

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.



PHOTOMETRIC DATA



File Name: RM2D-1T8-4-M

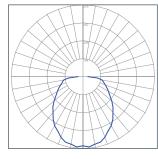
Luminaire Lumens:1737Efficiency:60%Efficacy:50 lms/WTotal Watts:35Optics Down:Meta Ice

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	71	71	71	71	70	70	70	70	67	67	67
1	64	60	57	55	62	59	56	54	56	54	52
2	58	52	48	44	56	51	47	43	49	45	42
3	52	46	40	36	51	45	40	36	43	39	35
4	48	40	35	31	47	40	34	30	38	33	30
5	44	36	30	26	43	35	30	26	34	29	26
6	41	33	27	23	40	32	27	23	31	26	23
7	38	30	24	20	37	29	24	20	28	23	20
8	35	27	22	18	34	27	22	18	26	21	18
9	33	25	20	16	32	24	20	16	24	19	16
10	31	23	18	15	30	23	18	15	22	18	15

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle					
Angle	0	45	90			
45	6134	3520	3021			
55	5757	2914	2387			
65	6092	2447	1984			
75	7524	2229	1727			
85	11724	1534	1023			

CANDLE DISTRIBUTION

Vertical	Horizontal Angle							
Angle	0.0	22.5	45.0	67.5	90.0			
					·			
0	592.24	592.24	592.24	592.24	592.24			
5	604.82	602.81	603.22	598.24	605.68			
10	589.09	601.10	600.00	597.19	616.39			
15	581.76	573.79	580.12	575.91	566.83			
20	552.91	558.56	550.07	542.48	546.88			
25	513.21	518.17	517.17	508.79	503.74			
30	486.31	480.09	478.54	467.71	470.32			
35	446.61	442.37	435.24	428.86	417.09			
40	400.58	401.68	388.58	380.44	377.38			
45	364.98	361.45	342.31	336.54	336.38			
50	324.06	315.96	304.20	297.10	299.31			
55	283.19	280.12	270.82	262.99	260.72			
60	253.71	246.52	237.29	233.00	231.39			
65	227.72	220.70	209.87	207.85	205.96			
70	203.29	195.17	187.50	184.07	182.17			
75	183.87	175.89	169.41	165.66	164.49			
80	169.38	160.24	152.94	145.45	146.15			
85	126.03	112.98	98.05	88.82	85.70			
90	41.82	25.48	13.25	8.23	7.26			



File Name: RM2D-1T5-4-M

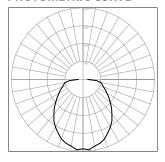
Luminaire Lumens:1814Efficiency63%Efficacy:59 lms/WTotal Watts:31Optics Down:Meta Ice

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	74	74	74	74	73	73	73	73	69	69	69
1	67	63	60	57	65	62	59	56	59	57	54
2	60	55	50	46	59	53	49	45	51	47	44
3	55	48	42	38	53	47	42	37	45	40	37
4	50	42	37	32	49	41	36	32	40	35	31
5	46	38	32	28	45	37	32	28	36	31	27
6	43	34	28	24	42	34	28	24	32	28	24
7	40	31	25	21	39	31	25	21	30	25	21
8	37	28	23	19	36	28	23	19	27	22	19
9	35	26	21	17	34	26	21	17	25	20	17
10	33	24	19	16	32	24	19	16	23	19	16

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle					
Angle	0	45	90			
45	6807	3567	2941			
55	6351	2812	2217			
65	6563	2336	1840			
75	7894	2078	1607			
85	11425	1508	1061			

CANDLE DISTRIBUTION

Vertical		Н	lorizontal A	ngle	
Angle	0.0	22.5	45.0	67.5	90.0
0	647.73	647.73	647.73	647.73	647.73
5	657.67	648.49	669.97	651.46	643.38
10	632.03	627.96	645.26	647.45	638.11
15	615.11	618.85	622.29	608.73	608.01
20	589.67	598.39	586.88	576.71	583.40
25	548.77	556.11	550.94	543.92	535.51
30	513.24	516.05	509.59	495.05	492.98
35	472.42	473.21	454.69	445.04	441.00
40	421.32	426.32	408.07	393.35	392.45
45	379.18	376.31	355.45	344.55	341.08
50	332.86	330.13	314.41	299.52	295.60
55	294.13	288.75	273.36	263.59	257.44
60	259.53	252.81	240.97	232.69	232.15
65	233.08	225.70	214.60	209.36	207.44
70	203.84	198.41	189.57	186.74	184.15
75	186.62	180.59	173.89	169.95	170.22
80	171.50	164.77	159.90	154.75	153.20
85	126.17	120.38	110.04	104.71	101.78
90	43.20	31.07	20.97	15.77	13.98