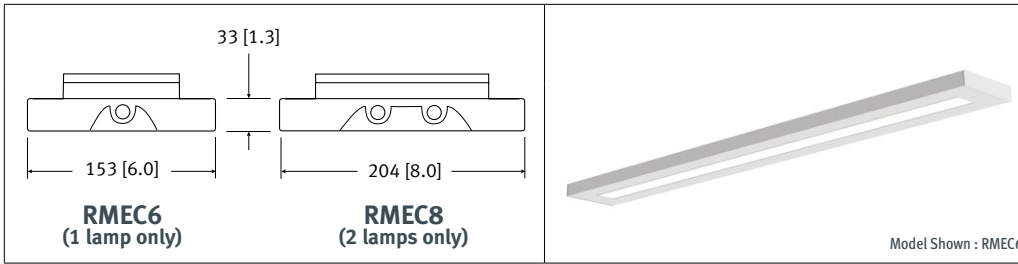


Stail RMEC

Fluorescent . Surface (Ceiling)



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



ORDERING LOGIC

Model		Optics											
RMEC										S			
Series	Width	# of lamps	Source	Length	Up	Down	Finish	Ballast	Circuitry	Mounting	Voltage	Controls	
Width		Length		Optics Up		Finish		Circuitry		Voltage			
6 = 6 inches (1 lamp only)		4 = 4 ft		LS = Light Slots (Standard)		SG = Silver/grey textured coat		1 = 1 Circuit		1 = 120 V			
8 = 8 inches (2 lamps only)		R = Continuous Rows <i>Consult factory</i>		N = No Light Slots		WT = White Textured		EM = Emergency/Night Light		2 = 277 V			
# of Lamps				Optics Down		C = Custom Finish <i>Specify RAL#:</i>		B = Battery Pack		3 = 347 V			
1 = 1 lamp (6 inches only)				M = Meta Ice				Mounting		4 = UNV (120-277 V)			
2 = 2 lamps (8 inches only)				SP = Specular Parabolic Louver		Ballast		S = Surface (Ceiling)		Controls			
Source				SSP = Semi-Specular Parabolic Louver		R = Programmed Rapid Start				= None (leave space empty)			
T5						D1 = 0-10 Dimming				D = Daylight Sensor			
T5HO						D2 = DALI				O = Occupancy Sensor			
										DO = Daylight/Occupancy Sensor			

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.

Finish: Silver/grey textured or white textured are standard finishes. For custom finish, contact factory.

Mounting: Direct ceiling mount.

Electrical: Factory prewired with easy wire quick connect sections. Gray power supply cord.

Ballast: Programmed Rapid Start, 0-10

Dimming, DALI

Controls: Refer to Ordering Logic chart above.

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

RoHS compliant.

Environment: Suitable for dry 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.

APPROVALS

Signature _____

Date _____

FILE NAME: Stail_RMEC_FL

072216

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
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Metalumen

SPECIFICATION SHEET | PAGE 1

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

PHOTOMETRIC DATA

RMEC8
2T5

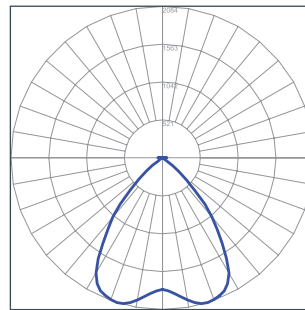
File Name: RMEC8-2T5-4-SP
Luminaire Lumens: 3658
Total Watts: 56
Efficacy: 65 lms/W
Optics Up: None
Optics Down: Specular Parabolic Louver

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	83	83	83	83	81	81	81	81	77	77	77	77
1	78	76	74	72	76	74	72	70	71	70	68	68
2	73	69	65	63	71	68	64	62	65	62	60	60
3	68	63	58	55	67	62	58	54	60	56	53	53
4	64	57	52	49	62	56	52	48	55	51	48	48
5	59	52	47	43	58	51	47	43	50	46	43	43
6	56	48	43	39	54	47	42	39	46	42	38	38
7	52	44	39	35	51	43	39	35	42	38	35	35
8	49	41	36	32	48	40	35	32	39	35	32	32
9	46	38	33	29	45	37	32	29	36	32	29	29
10	43	35	30	27	42	34	30	27	34	30	27	27

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	7855	11936	7855
55	1237	5168	1237
65	117	569	117
75	219	75	219
85	2690	2842	2690

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle			
	0	30	60	90
0	1811	1811	1811	1811
5	1871	1857.2	1825	1871
10	1982.7	1945.2	1847.6	1982.7
15	2072.1	2024.2	1863	2072.1
20	2072.7	2039.6	1863.1	2072.7
25	2015.8	1979.6	1839.3	2015.8
30	1829.5	1850.4	1768.2	1829.5
35	1430.1	1586.3	1630.7	1430.1
40	1064	1168.8	1417.7	1064
45	627.9	808.2	1141.5	627.9
50	288.4	440.5	784.3	288.4
55	80.2	238.2	456.4	80.2
60	9.9	62.8	176	9.9
65	5.6	23.2	36.1	5.6
70	3.6	9.9	4.1	3.6
75	6.4	2.5	2.7	6.4
80	47.9	25.1	2.1	47.9
85	26.5	25.5	22.3	26.5
90	53	45	22.5	53

RMEC8
2T5HO

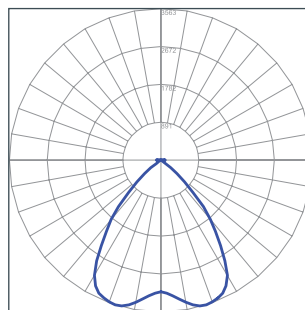
File Name: RMEC8-2T5HO-4-SP
Luminaire Lumens: 6255
Total Watts: 108
Efficacy: 58 lms/W
Optics Up: None
Optics Down: Specular Parabolic Louver

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	83	83	83	83	81	81	81	81	77	77	77	77
1	78	76	74	72	76	74	72	71	71	70	68	68
2	73	69	66	63	71	68	64	62	65	62	60	60
3	68	63	58	55	67	62	58	54	60	56	53	53
4	64	57	52	49	62	56	52	48	55	51	48	48
5	60	52	47	44	58	51	47	43	50	46	43	43
6	56	48	43	39	54	47	42	39	46	42	38	38
7	52	44	39	35	51	43	39	35	42	38	35	35
8	49	41	36	32	48	40	35	32	39	35	32	32
9	46	38	33	29	45	37	32	29	36	32	29	29
10	43	35	30	27	42	35	30	27	34	30	27	27

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	13432	20410	13432
55	2115	8837	2115
65	200	974	200
75	374	129	374
85	4599	4860	4599

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle			
	0	30	60	90
0	3096.81	3096.81	3096.81	3096.81
5	3199.41	3175.812	3120.75	3199.41
10	3390.417	3326.292	3159.396	3390.417
15	3543.291	3461.382	3185.73	3543.291
20	3544.317	3487.716	3185.901	3544.317
25	3447.018	3385.116	3145.203	3447.018
30	3128.445	3164.184	3023.622	3128.445
35	2445.471	2712.573	2788.497	2445.471
40	1819.44	1998.648	2424.267	1819.44
45	1073.709	1382.022	1951.965	1073.709
50	493.164	753.255	1341.153	493.164
55	137.142	407.322	780.444	137.142
60	16.929	107.388	300.96	16.929
65	9.576	39.672	61.731	9.576
70	6.156	16.929	7.011	6.156
75	10.944	4.275	4.617	10.944
80	81.909	42.921	3.591	81.909
85	45.315	43.605	38.133	45.315
90	90.63	76.95	38.475	90.63