

Grande RM4D

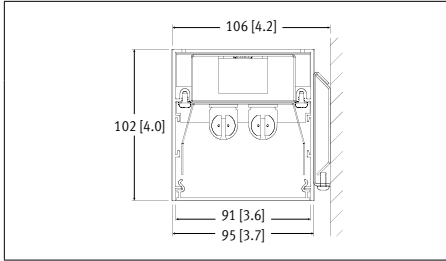
Fluorescent . Wall



MetaICE



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



ORDERING LOGIC

Example Part Number: RM4D-2T8-8-M-W-D1LR-W-1-D

RM4D			Optics				W		
# of lamps	Source	Length	Up Down	Finish	Ballast	Circuitry	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* (excludes 4 ft)	T5	Optics Down	W = White	LR = Left/Right Switching (2 Lamps)	2 = 277 V
2 = 2 Lamps	T5HO	SP = Specular Parabolic Louver **	C = Custom Finish Specify RAL#:	AS = Alternate Switching	3 = 347 V
2S = 2 Staggered* (excludes 4 ft)	Length	SSP = Semi Specular Parabolic Louver***		EM = Emergency/Night Light	4 = UNV (120 - 277 V)
* T8 only with Meta Ice	4 = 4 ft	M = Meta Ice	Ballast	B = Battery Pack	Controls
	8 = 8 ft	A = Asymmetric Reflector *	E = Electronic Instant Start (T8)		- = None (leave space empty)
	12 = 12 ft	MA = Meta Ice with Asymmetric Reflector *	R = Programmed Rapid Start	Mounting	D = Daylight Sensor
	R = Continuous Rows See p. 3	* 1 lamp only ** T8 - 1 lamp only T5/T5HO - 1 to 2 lamps	D1 = 0-10V Dimming D2 = DALI	W = Wall	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: Rigid extruded aluminum body, 2.0mm (0.08") nominal wall thickness. 95mm (3.7") wide x 102mm (4.0") high, steel formed end caps.

Optical System: Tubular fluorescent lamps transmit to an internal high performance-side kicking reflector that then passes through our Meta Ice acrylic diffuser for smooth distribution; this creates a

continuum of smooth consistent light.

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

Weight: 2.1 kg/300mm [4.6 lb/ft]

Mounting: Pendant: Aircraft cable yoke complete with a Quick-Grip field adjustable suspension system provides for quick and easy onsite alignment. All mounting

has been independently tested to meet stringent safety requirements.

Recessed: Drywall Flanged or Flangeless, T-Bar Flanged

Surface: Ceiling

Wall: mounting plate provided

Electrical: Factory prewired with easy wire quick connect sections.

Ballast: Instant Start, Programmed Rapid

Start, 0-10V 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 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.

APPROVALS

Signature _____

Date _____

FILE NAME: Grande_RM4D_FL_W

20170516

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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.

MetaICE 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.

DAMP Suitable for damp locations.

PHOTOMETRIC DATA

1 T5 LAMP

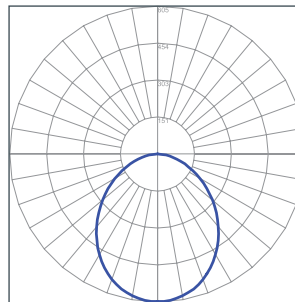
File Name: RM4D-1T5-4-M-WALL
Luminaire Lumens: 1451
Input Watts: 38.64
Efficiency: 56 %
Efficacy: 38 lms/W
Optics Up: None
Optics Down: Meta Ice

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	66	66	66	66	65	65	65	65	62	62	62	62
1	61	58	56	54	60	57	55	53	55	53	52	52
2	56	51	48	45	54	50	47	44	48	46	43	43
3	51	45	41	38	50	45	40	37	43	39	37	37
4	47	40	36	32	46	40	35	32	38	34	31	31
5	43	36	31	28	42	36	31	28	35	31	27	27
6	40	33	28	25	39	32	28	24	31	27	24	24
7	37	30	25	22	36	29	25	22	29	25	22	22
8	35	27	23	20	34	27	23	20	26	22	19	19
9	33	25	21	18	32	25	21	18	24	20	18	18
10	31	23	19	16	30	23	19	16	22	19	16	16

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)




Vertical Angle	Horizontal Angle		
	0	45	90
45	4478	4373	4229
55	3999	3902	3724
65	3494	3406	3252
75	2942	2870	2763
85	2238	2131	2131





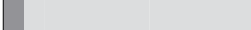
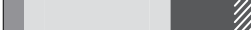

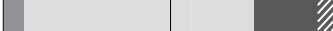

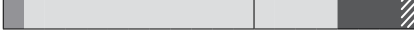





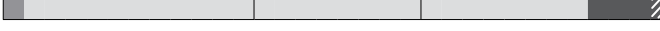




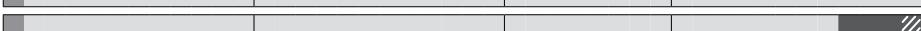


CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	604	604	604	604	604
5	601	601	599	602	603
10	590	590	590	592	593
15	572	573	571	571	572
20	546	547	544	543	543
25	513	514	510	507	507
30	475	475	470	465	464
35	433	433	426	420	417
40	388	387	380	373	370
45	341	340	333	325	322
50	294	293	286	278	275
55	247	246	241	233	230
60	202	202	197	191	188
65	159	159	155	150	148
70	119	119	116	113	111
75	82	82	80	78	77
80	50	49	48	47	46
85	21	20	20	20	20
90	0	0	0	0	0

MOUNTING - ROW CONFIGURATIONS - T8

LEGEND

-  Standard (STD) Wire Entry Location (located 231mm from end on the back fixture)
-  Emergency (EM) Lighting Location
-  Emergency Wire Entry Location (located 231mm from end on the back fixture)

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