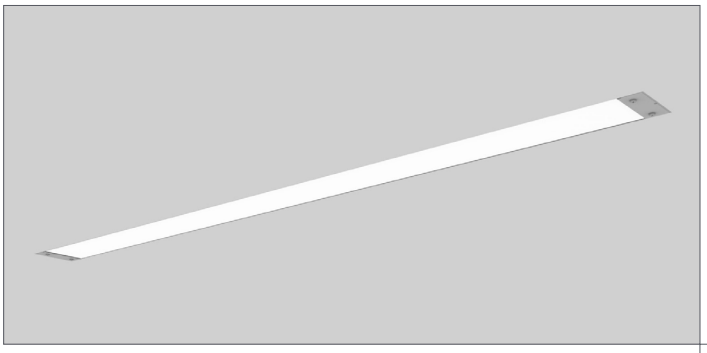
METALUMEN SPECIFICATION SHEET

RAIL 4 RM4DOD

OUTDOOR . LED . RECESSED FLANGELESS . DIRECT

PART #:	
PREP BY:	DATE:
PROJECT:	QTY:
NOTES:	
APPROVAL SIGNATURE:	DATE (DD/MM/YYYY):



PERFORMANCE SUMMARY @ 3500K

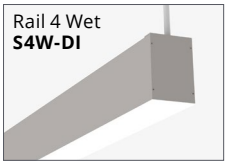
		Meta Blanc MB	Meta Ice M	Luma Span LS	Luma Asym. LA	Polycarbonate PC
		L3	L3	L3	L3	L3
Lumens per foot	80 CRI	648	716	719	744	663
	90 CRI	567	627	629	651	580
Wattage per foot		5.7	5.8	5.8	6	6
Efficacy	80 CRI	113	124	125	129	115
	90 CRI	99	108	103	107	100
L70 Estimate (h)		≥ 60,000 hrs				

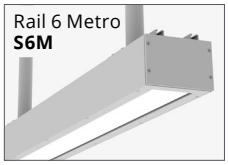
See complete Light Level Performance and Photometric Data on p2

- **Efficacy up to 134 LPW**
- **Integral drivers**
- Indirect distribution available with Inverse Mount option
- Standard natatorium finish
- Emergency lighting

5 YEAR WARRANTY | cULus LISTED E360888 | WET | IC or Non-IC Rated | IK10

OTHER RAIL WET SERIES PRODUCTS


Rail 4 Wet **S4W-DI**


Rail 6 Metro **S6M**

ORDERING LOGIC

Example Part Number: RM4DOD-1L35K-G6x8-MB-W-L31-RF-1-90

RM4DOD								RF		
1	2	3	4	5	6	7	8	9	10	11

1. SERIES

RM4DOD

2. COLOR TEMP

1L30K 3000K
1L35K 3500K
1L40K 4000K

90 CRI is available under OPTIONS

3. LENGTH

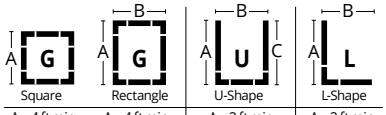
2 2 ft
3 3 ft
4 4 ft
5 5 ft
6 6 ft
7 7 ft
8 8 ft
9 9 ft
10 10 ft
11 11 ft
12 12 ft
RA Continuous Rows (Replace "A" with length in feet)
C Custom Length*
_ None (leave space empty)

4. PATTERN [1]

GA Square
GAx**B** Rectangle
UAx**B**x**C** U-Shape
LAx**B** L-Shape
C Custom Pattern*
_ None (leave space empty)

Replace "A", "B", "C" with length in feet. See minimum lengths below

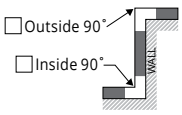
Standard Pattern Minimum Lengths



Custom Patterns*
Lengths and a drawing of custom pattern are required on page 2

T-Shape | Cross / X

Select corner:



5. OPTICS

MB Meta Blanc
M Meta Ice
LS Luma Span (Batwing)
LA Luma Asymmetric
PC Polycarbonate IK10

MB: Acrylic opal diffuse lens

M, LS, LA: Acrylic high output semi-diffuse lens

PC: Semi-diffuse lens

See Photometric Data on p2

6. NATATORIUM FINISH

SA Satin Aluminum
W White
B Black
C Custom Finish
Specify RAL:

7. LIGHT LEVEL / DRIVER

L1
L2
L3
L4

Select Driver below. See Light Level Performance and Photometric Data on p2

LX Enter desired lm/ft:

8. CIRCUITRY

1 1 Circuit
EM Emergency / Night Light (not available for 2ft)
B Emergency Battery Pack [2] (Limited to ambient temeratures above 0°C)
BC Emergency Battery Pack for Cold Weather [2] (Limited to ambient temperatures down to -20°C)

9. MOUNTING

RF Recessed (Covered ceiling mount only)

10. VOLTAGE

1 120 V
2 277 V
3 347 V
4 UNV (120 - 277V)

11. OPTIONS

90 90 CRI, High R9
SP Surge Protection
P Plenum
VH Vandal Resistant Hardware
_ None (leave space empty)

*Consult factory. | [1] Pattern record drawings showing locations will be sent out upon order. | [2] Battery operates 4ft sections only.

Select Driver:
- ☐ Factory option 0-10V, 1% Dimming
- ☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver
- ☐ **L5E** Lutron 5-Series EcoSystem LED Driver

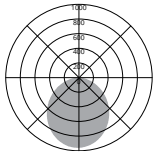
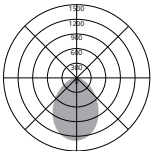
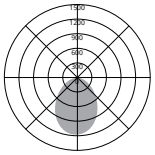
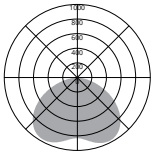
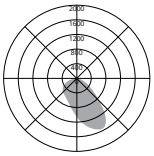
Consult factory for -40 drivers.

Metalumen
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 | www.metalumen.com

FILE NAME: RM4DOD_LED_RF_SPEC_SHEET_20241111

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

3500K, 80 CRI, 0-10V Dimming (Standard)

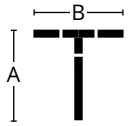
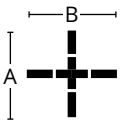
		Meta Blanc (MB)			Meta Ice (M)			Polycarbonate Lens (PC)			Luma Span (LS)			Luma Asymmetric (LA)		
Light Level		Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
L1		385	3.3	117	423	3.3	129	392	3.3	119	424	3	129	441	3	134
L2		481	4.3	113	531	4.2	124	491	4.3	115	532	4	125	553	4	130
L3		648	5.7	113	716	5.8	124	663	5.8	115	719	6	125	744	6	129
L4		1206	11.8	102	1332	11.8	113	1232	11.7	104	1333	12	113	1383	12	117
Light Level **L3**	IES File	RM4DOD-1L35K-4-MB-L3			RM4DOD-1L35K-4-M-L3			RM4DOD-1L35K-4-PC-L3			RM4DOD-1L35K-4-LS-L3			RM4DOD-1L35K-4-LA-L3		
	Distribution % (Down / Up)	100 / 0			100 / 0			100 / 0			100 / 0			100 / 0		
	Zonal Lumens (0–90 / 90–180)	2593 / 0			2863 / 0			2651 / 0			2874 / 0			2974 / 0		
	Distribution Curve															

Lumen Adjustment Factor (Standard)

Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

Metalumen's light level performance metrics are subject to manufacturers component tolerances.

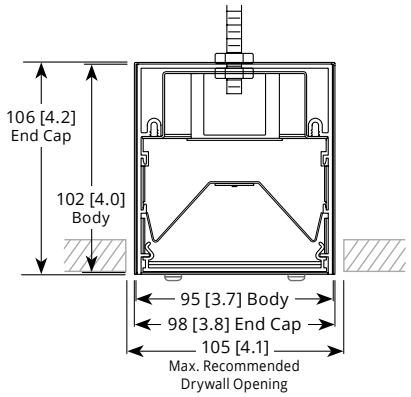
PATTERNS

Select Pattern:	☐ **T-SHAPE (C)**	☐ **X/CROSS (C)**
Pattern Configuration		
Indicate Desired Lengths (ft)	Consult Factory	
Minimum Lengths	A = 3 ft B = 6 ft	A = 6 ft B = 6 ft

A pattern configuration drawing is required in the grid below

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

CROSS SECTIONS



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. Aluminum formed end caps.
Optical System: Metalumen luminaires are designed to utilize leading edge LED technology combined with luminaire optimized reflectors and our custom diffusers, resulting in industry leading optical performance.
CRI: 83+ for 3500K, 80 minimum for all CCTs in standard configurations.
Lumen Maintenance: Minimum 50,000h 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, white and black are standard with a natatorium finish. Exceeds 4000 salt spray hours (ASTM B117). For custom colors, contact factory.
Weight: 2.1 kg/300mm [4.6 lb/ft]
Mounting: Mounting rods provided by others.
Drivers: Metalumen offers 0-10V dimming* as a standard on our entire LED product offering. Dimming range is 1%-100%. Power factor is > 90%. Class 2 rating. Drivers are integral. Consult factory for -40 drivers.
Approvals: All components are UL/CSA/QPS recognized or listed. RoHS compliant. This product is cULus listed.
Environment: Suitable for wet locations -22°F / -30°C start ambient temperature. Suitable for natatorium environments.

**Standard drivers compatible with passive/sinking dimmers. Please contact Metalumen if active/sourcing dimmer support is required.*

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.