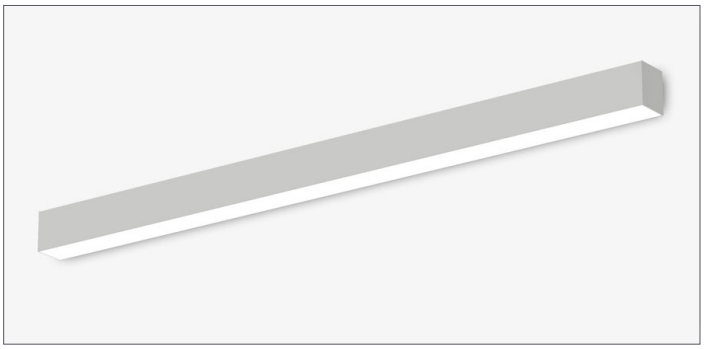
SPECIFICATION SHEET

RAIL 2 RM2D

TUNABLE . WALL . DIRECT

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



PERFORMANCE SUMMARY @ 4000K		Meta Blanc (MB)	Drop Lens (MD)
		L3	L3
Lumens per foot	80 CRI	515	564
	90 CRI	452	496
Distribution (Up / Down %)		0 / 100	12 / 88
Wattage per foot		6.2	
Efficacy (lm/W)	80 CRI	82	91
	90 CRI	72	80
L70 Estimate (h)		> 60,000 hrs	

See page 2 for the complete Light Level Performance chart.

FEATURES

- Independant control of intensity and correlated color temperature (CCT)
- Allows for scheduled mimicking of daylight color temperatures
- Dim-to-Warm simulates warmer CCT shift as luminaire dims (i.e. like traditional incandescent and halogen lights).

ORDERING LOGIC

Example Part Number: RM2D-1LTUN-12-MB-W-L31-W-1-D-90

RM2D							W			
1	2	3	4	5	6	7	8	9	10	11

1. SERIES
- **RM2D**

2. COLOR TEMP
- **1LTUN** Tunable White (2700 - 6500K)
- **1LDW** Dim to Warm* (3500 - 2700K)

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 selected in the Continuous Rows section

4. OPTICS
- **MB** Meta Blanc
- **MD** Drop Lens

Meta Blanc, Drop Lens: Opal diffuse lens

5. FINISH
- **SA** Satin Aluminum
- **W** White
- **B** Black
- **C** Custom Finish
  Specify RAL:

6. LIGHT LEVEL / DRIVER
- **L1**
- **L2**
- **L3**
- **L4**

Select Driver below.

See Light Level Performance chart below.

7. CIRCUITRY
- **1** 1 Circuit
- **EM** Emergency / Night Light [1]
- **B** Emergency Battery Pack [2]

8. MOUNTING
- **W** Wall

9. VOLTAGE
- **1** 120 V
- **2** 277 V
- **4** UNV (120 - 277V)

10. CONTROLS / SENSORS
- **_** None (leave space empty)
- **D** Daylight Sensor**
- **O** Occupancy Sensor**
- **DO** Daylight and O ccupany Sensors**

11. OPTIONS
- **90** 90 CRI, High R9
- **_** None (leave space empty)

PLEASE NOTE	Dim to Warm is not available with integrated sensors. Tunable White and Dim to Warm are availabe with emergency battery packs connected to the cool color LEDs only.

* Consult factory for alternate options. | ** Controls intensity only (not CCT). | [1] Each EM pod, by default, has separate wire entry for DIM and CCT control. | [2] Battery operates 4ft sections only.

Select Driver:

- ☐ Factory option dual 0-10V (Dim & CCT), 1% Dimming
- ☐ Lutron T Series EcoSystem, 1% Dimming
- ☐ DALI - Factory Option, DT6 Dual Address, 1% Dimming
- ☐ DALI - Factory Option, DT8 Single Address Color Control, 1% Dimming
- ☐ DALI - EldoLED

Light Level Performance at 4000K

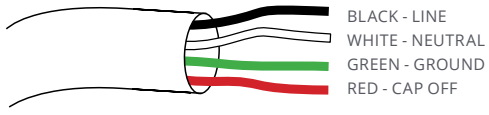
Meta Blanc (MB)		2700K				4000K				6500K			
		L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4
Total Lumens / foot (lm)	80 CRI	297	374	502	694	323	407	547	789	327	411	551	779
	90 CRI	261	329	441	610	284	358	481	693	287	361	484	685
Wattage per foot		3.9	4.8	6.5	9.7	3.8	4.7	6.2	9.1	3.9	4.9	6.6	10.1
Efficacy (lm/W)	80 CRI	77	78	77	72	84	87	88	86	83	84	83	77
	90 CRI	67	68	68	63	74	76	77	76	73	74	73	68
Color Rendering (CRI)	80 CRI	80+											
	90 CRI	90+											
L70 Estimate @ 25°C Ambient		> 60,000 hrs											

Drop Lens (MD)		2700K				4000K				6500K			
		L1	L2	L3	L4	L1	L2	L3	L4	L1	L2	L3	L4
Total Lumens / foot (lm)	80 CRI	314	395	527	731	341	429	577	830	346	434	578	813
	90 CRI	276	347	463	643	300	377	507	729	304	381	508	715
Wattage per foot		3.9	4.8	6.5	9.7	3.8	4.7	6.2	9.1	3.9	4.9	6.6	10.1
Efficacy (lm/W)	80 CRI	81	82	81	76	89	92	93	91	88	89	87	81
	90 CRI	71	72	71	66	78	81	81	80	77	78	77	71
Color Rendering (CRI)	80 CRI	80+											
	90 CRI	90+											
L70 Estimate @ 25°C Ambient		> 60,000 hrs											

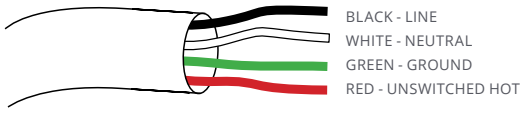
Metalumen's light level performance metrics are subject to manufacturers component tolerances.

WIRING

Emergency Wiring



Battery Pack Wiring

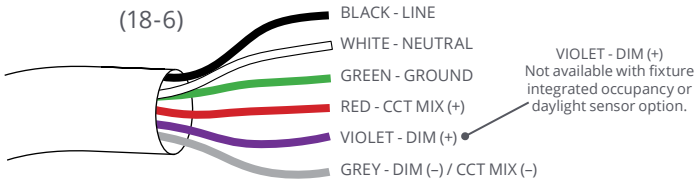


Luminaire with Integral Driver

Line Voltage / Control to Luminaire

Hard Wire

Power Cord

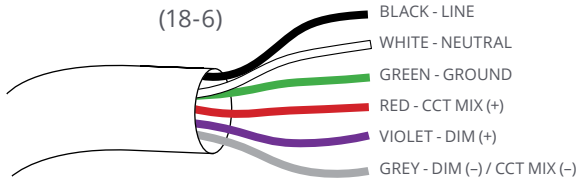


Luminaire with Remote Driver (BB Box)

Line Voltage / Control to Remote Driver (BB Box)

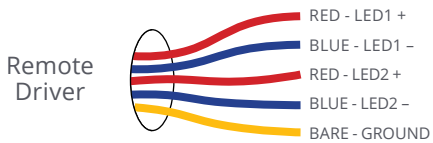
Hard Wire

Power Cord

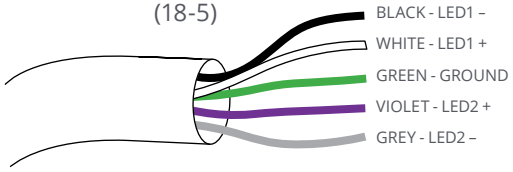


Remote Driver (BB Box) to Luminaire

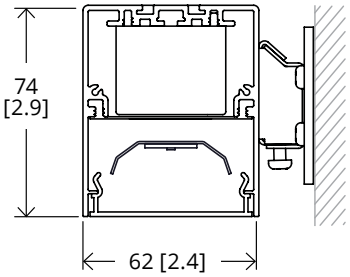
Hard Wire



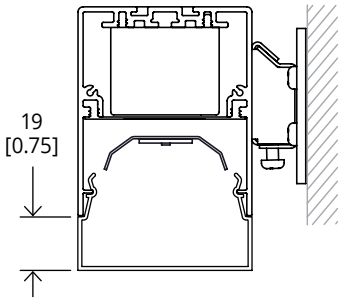
Cord



CROSS SECTIONS



Meta Blanc



Drop Lens

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 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 finishes. For custom finish, contact factory.
Weight: 0.95 kg/300mm [2.1 lb/ft]
Mounting: Mounting plate provided.
Electrical: Factory prewired with easy wire quick connect sections.
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.
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 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.