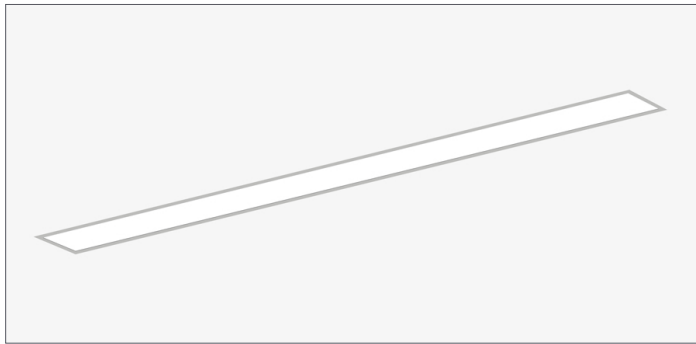


RAIL 4 RM4D

TUNABLE . RECESSED DRYWALL . DIRECT



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

PERFORMANCE SUMMARY @ 4000K

| | | Meta Blanc (MB) | Drop Lens (MD) |
|------------------|--------|-----------------|----------------|
| | | L3 | L3 |
| Lumens per foot | 80 CRI | 547 | 577 |
| | 90 CRI | 481 | 507 |
| Wattage per foot | | 6.2 | |
| Efficacy (lm/W) | 80 CRI | 88 | 93 |
| | 90 CRI | 77 | 81 |
| 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: RM4D-1LTUN-12-MB-W-L31-D-1-D-90

| RM4D | | | | | | | | | | |
|--------------------------|--|---|---|---|---|--|--|---|--|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | D | 9 | 10 | 11 |
| 1. SERIES RM4D | 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 on the CONTINUOUS ROWS page | 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 on p2. | 7. CIRCUITRY 1 1 Circuit EM Emergency / Night Light ¹ B Emergency Battery Pack ² | 8. MOUNTING D Recessed Drywall Flanged | 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 Occupany Sensors** | 11. OPTIONS 90 90 CRI, High R9 P Plenum _ None (leave space empty) |

| | |
|-------------|--|
| PLEASE NOTE | Dim to Warm is not available with integrated sensors. Tunable White and Dim to Warm are available 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 - EidoLED

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 |
| 0% Up / 100% Down | 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 |
| 8% Up / 92% Down | 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 / Night Light | Emergency Battery Pack |
|-------------------------|------------------------|
| | |


| Luminaire with Integral Driver | |
|-------------------------------------|---------------|
| Line Voltage / Control to Luminaire | |
| Hard Wire | Power Cord |
| <p>(7) Leads</p> | <p>(18-6)</p> |

| Luminaire with Remote Driver (BB Box) | |
|--|---------------|
| Line Voltage / Control to Remote Driver (BB Box) | |
| Hard Wire | Power Cord |
| <p>(7) Leads</p> | <p>(18-6)</p> |

| Remote Driver (BB Box) to Luminaire | |
|-------------------------------------|---------------|
| Hard Wire | Cord |
| | <p>(18-5)</p> |

CONTINUOUS ROWS




Step 1) Indicate desired quantity of rows under the QTY column

Step 2)  If applicable, select pod(s) per row to indicate desired Emergency lighting location. If a similar row requires a different Emergency lighting location, please fill out another sheet.


Record drawings for rows not represented here will be sent out upon order.

| QTY | Nominal Length | Run Length Overall | Max. Recommended Length Drywall Opening (Max. Rec. Width = 105 mm) | Along / Start Length | Mid Length(s) | End Length | ROWS IN PLAN VIEW |
|-----|----------------|--------------------|--|----------------------|---------------|------------|--|
| | | | | | | | Rows are for demonstration purposes only and are not to scale. |
| | 4' | 1245 [49.0] | 1235 [48.6] | 4 | | | 1224 [48.2] |
| | 8' | 2462 [96.9] | 2452 [96.5] | 8 | | | 2441 [96.1] |
| | 12' | 3682 [145.0] | 3672 [144.6] | 12 | | | 3660 [144.1] |
| | 16' | 4901 [193.0] | 4891 [192.6] | 8 | | 8 | 4879 [192.1] |
| | 20' | 6120 [240.9] | 6110 [240.6] | 12 | | 8 | 6098 [240.1] |
| | 24' | 7339 [288.9] | 7329 [288.5] | 12 | | 12 | 7318 [288.1] |
| | 28' | 8558 [336.9] | 8548 [336.5] | 8 | 12 | 8 | 8537 [336.1] |
| | 32' | 9778 [385.0] | 9768 [384.6] | 12 | 8 | 12 | 9756 [384.1] |
| | 36' | 10997 [433.0] | 10987 [432.6] | 12 | 12 | 12 | 10975 [432.1] |
| | 40' | 12216 [480.9] | 12206 [480.6] | 12 | 8, 8 | 12 | 12194 [480.1] |
| | 44' | 13435 [528.9] | 13425 [528.5] | 12 | 12, 8 | 12 | 13414 [528.1] |
| | 48' | 14654 [576.9] | 14644 [576.5] | 12 | 12, 12 | 12 | 14633 [576.1] |

LEGEND

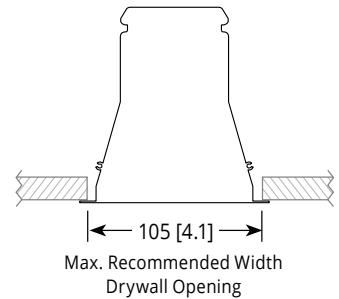
-  Standard Wire Entry Location (located on the end cap)
-  Emergency (EM) / Night Light Location (4 ft sections)
-  EM or Battery Wire Entry Location (EM wire entry is on the end cap)

A

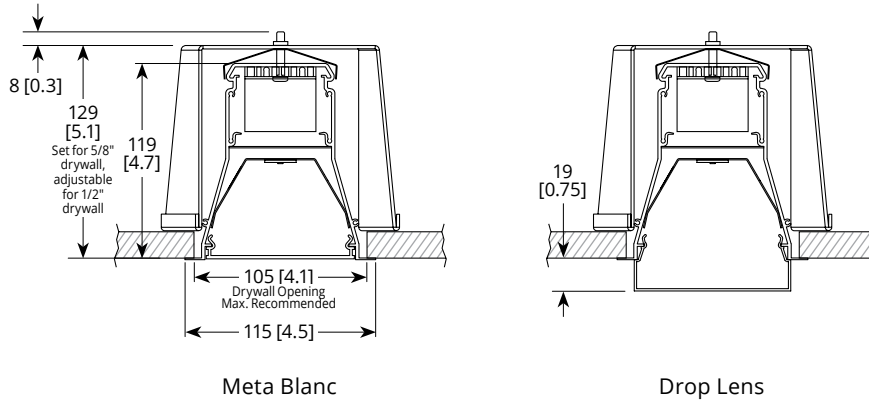
 A = Run Length (Body)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run



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 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: 80+ for all color temperature

ranges

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 and white are standard finishes. For custom finish, contact factory.

Weight: 1.3 kg/300 mm [2.9 lb/ft]

Mounting: Mounting brackets 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.

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

cULus listed. RoHS compliant.

Plenum - CCEA approved.

Environment: Suitable for dry or damp locations.

**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.