

## RAIL 1.5 S1

RECESSED DRYWALL FLANGELSS . DIRECT



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

## PERFORMANCE SUMMARY @ 3500K

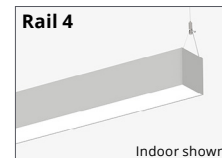
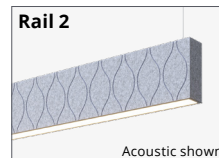
|                  |        | Meta Blanc (MB) |
|------------------|--------|-----------------|
| Light Level      |        | <b>75</b>       |
| Lumens per foot  | 80 CRI | 766             |
|                  | 90 CRI | 670             |
| Wattage per foot |        | 7.4             |
| Efficacy (LPW)   | 80 CRI | 103             |
|                  | 90 CRI | 90.5            |
| L70 Estimate (h) |        | ≥ 60,000 hrs    |

See page 2 for the complete Light Level Performance chart.

- Narrow 1.5 inch profile
- Integral driver
- 4', 8' and 12' lengths as well as continuous rows
- Continuous direct optics with no breaks



## OTHER RAIL PRODUCTS



## ORDERING LOGIC

Example Part Number: S1-35K-12-MB-W-501-DF-1-90

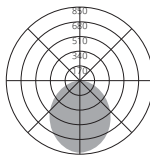
| S1  |   |                                     |   | MB  |   |  |   | DF  |    |                                  |    |  |  |  |  |
|---|---|-------------------------------------|---|---|---|--|---|---|----|----------------------------------|----|--|--|--|--|
| 1   | 2 | 3                                   | 4 | 5   | 6 | 7  | 8 | 9   | 10 | 11                               | 12 | 13   |  |  |  |
| 1. SERIES   |   | 2. COLOR TEMP                       |   | 3. LENGTH   |   | 4. PATTERN <sup>1</sup>  |   |   |    | 5. OPTICS                        |    | 6. FINISH  |  |  |  |
| S1<br>Direct  |   | 30K 3000K<br>35K 3500K<br>40K 4000K |   | 2 2 ft   8 8 ft<br>3 3 ft   9 9 ft<br>4 4 ft   10 10 ft<br>5 5 ft   11 11 ft<br>6 6 ft   12 12 ft<br>7 7 ft |   | GA Square<br>GAxB Rectangle<br>UAxBxC U-Shape<br>LAxB L-Shape<br>C Custom Pattern*<br>_ None (leave space empty)<br><div>Replace "A", "B", "C" with length in feet. See minimum lengths below.</div> <div>Standard Patterns Minimum Lengths</div> <div><div><div>A</div><div>G</div><div>A</div><div>Square</div><div>A = 4 ft min.</div></div><div><div>B</div><div>G</div><div>A</div><div>Rectangle</div><div>A = 4 ft min.<br/>B = 4 ft min.</div></div><div><div>B</div><div>U</div><div>C</div><div>U-Shape</div><div>A = 3 ft min.<br/>B = 4 ft min.<br/>C = 3 ft min.</div></div><div><div>B</div><div>L</div><div>A</div><div>L-Shape</div><div>A = 3 ft min.<br/>B = 3 ft min.</div></div></div> <div>Custom Patterns*<br/>Lengths and a drawing of custom pattern are required on page 2</div> <div><div>T</div><div>+</div><div>T-Shape</div><div>Cross/X</div></div> <div>Select corner:<br/><div><input type="checkbox"/> Outside 90°<br/><input type="checkbox"/> Inside 90°</div><div></div></div> |   |   |    | Meta Blanc:<br>Opal diffuse lens |    | SA Satin Aluminum<br>W White<br>B Black<br>C Custom Finish<br>Specify RAL: |  |  |  |
|   |   | 90 CRI is available under OPTIONS   |   |   |   |  |   |   |    |                                  |    |  |  |  |  |
| 7. LIGHT LEVEL / DRIVER   |   |                                     |   | 8. CIRCUITRY  |   | 9. MOUNTING  |   | 10. VOLTAGE   |    | 11. SENSORS                      |    | 12. CONTROLS   |  | 13. OPTIONS                                      |  |
| 35 350 lm/f<br>50 500 lm/f<br>75 750 lm/f<br>100 1000 lm/f<br>C Custom Range<br>Specify lumens:<br><br>(Total lumens between 350-850 lm at 50 lm intervals) |   |                                     |   | 1 1 Circuit<br>EM Emergency / Night Light<br>B Emergency Battery Pack <sup>2</sup>                          |   | DF Recessed Drywall Flangeless   |   | 1 120 V<br>2 277 V<br>3 347 V<br>4 UNV (120 - 277V) |    | _ None (leave space empty)       |    |  |  | 90 90 CRI, High R9<br>_ None (leave space empty) |  |

\*Consult factory. | <sup>1</sup> Pattern record drawings showing mounting locations will be sent out upon order. | <sup>2</sup> Battery operates 4ft sections only.

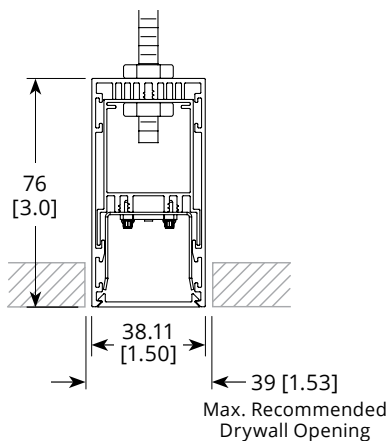
Select Driver: ☐ **FD** Factory option 0-10V, 1% Dimming  
☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver  
☐ **L5E** Lutron 5-Series EcoSystem LED Driver

## LIGHT LEVEL PERFORMANCE &amp; PHOTOMETRIC DATA

## 3000K, 85 CRI, 0-10V Dimming (Standard)

| Light Level   | Lumens per foot | Wattage per foot | Efficacy (LPW) | IES File        | Distribution % (Down / Up) | Zonal Lumens (0-90 / 90-180) | Distribution Curve Light Level 75   |
|---|-----------------|------------------|----------------|-----------------|----------------------------|------------------------------|---|
| 35  | 364             | 3.4              | 107            | S1-35K-4-MB-35  | 100 / 0                    | 1455 / 0                     |  |
| 50  | 521             | 5.0              | 105            | S1-35K-4-MB-50  |                            | 2082 / 0                     |   |
| 75  | 766             | 7.4              | 103            | S1-35K-4-MB-75  |                            | 3063 / 0                     |   |
| 100   | 1022            | 10.3             | 99             | S1-35K-4-MB-100 |                            | 4089 / 0                     |   |
| Metalumen's light level performance metrics are subject to manufacturers component tolerances. Photometric performance is measured and scaled in accordance with IESNA LM-79. |                 |                  |                |                 |                            |                              |   |

## 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. Zinc alloy die-cast 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 (3500K) (80 minimum)

**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 options. For custom finish, contact factory.

**Weight:** 1.4 lb/ft or 0.6 kg/300mm.

**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. Drivers are integral.

**Approvals:** All components are UL/CSA/QPS recognized or listed. RoHS compliant. cULus pending.

**Environment:** Suitable for dry or damp locations.

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

## WIRING

| Standard  | Emergency / Night Light   | Emergency Battery Pack  |
|---|---|---|
|  |  |  |

## 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.