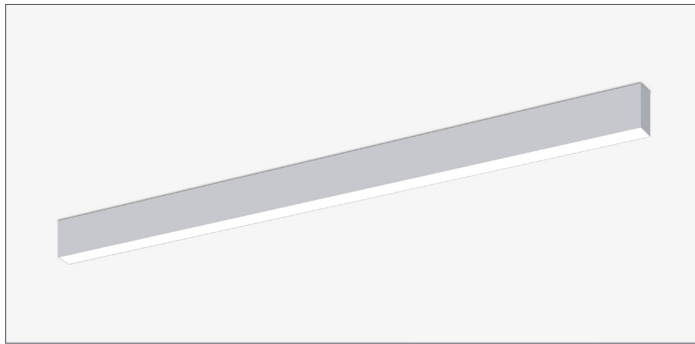


# RAIL 1.5 S1

SURFACE . DIRECT



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



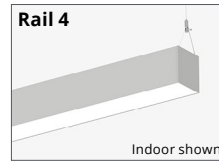
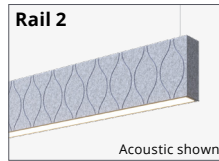
PART #:		DATE:	
PREP BY:		QTY:	
PROJECT:		NOTES:	
APPROVAL SIGNATURE:		DATE (DD/MM/YYYY):	

## 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.

## OTHER RAIL PRODUCTS



## ORDERING LOGIC

Example Part Number: S1-35K-12-MB-W-501-S-4-90

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

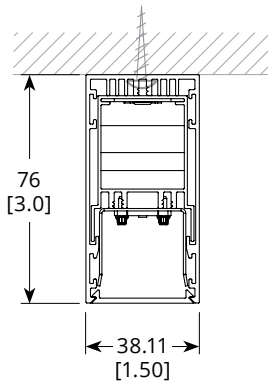
## LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

### 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:** Surface ceiling mount.

**Electrical:** Factory wired 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. This product is cULus listed.

**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.