

RAIL 4 WET S4WD

WALL . DIRECT



- Optimized light control and lumen output with precision **Luma Optics™** available in batwing, asymmetric, and wall graze distributions.
- Efficacy up to 137 LPW**
- Wet location and IP54 rated
- Constructed of non-corrosive components
- Standard natatorium powder coat finish

5 YEAR
WARRANTY

LUMA
OPTICS

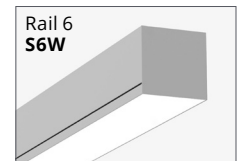
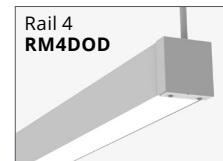
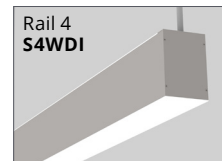
| | |
|---------------------|--------------------|
| PART #: | |
| PREP BY: | DATE: |
| PROJECT: | QTY: |
| NOTES: | |
| APPROVAL SIGNATURE: | DATE (DD/MM/YYYY): |

PERFORMANCE SUMMARY @ 3500K

| | | Meta Blanc MB | Luma Span LS | Luma Asym LA | Luma Graze LG | Polycarb PC |
|------------------|--------|---------------|--------------|--------------|---------------|-------------|
| Light Level 50 | | | | | | |
| Lumens per foot | 80 CRI | 574 | 522 | 525 | 767 | 585 |
| | 90 CRI | 502 | 457 | 459 | 671 | 512 |
| Wattage per foot | | 5.7 | 4.7 | 4.4 | 5.7 | 5.8 |
| Efficacy | 80 CRI | 100 | 112 | 118 | 134 | 102 |
| | 90 CRI | 88 | 97 | 104 | 118 | 88 |
| L70 Estimate (h) | | ≥ 60,000 hrs | | | | |

See complete Light Level Performance and Photometric Data on p2

OTHER RAIL WET SERIES PRODUCTS



ORDERING LOGIC

Example Part Number: S4WD-35K-8-MB-NW-1001-W-3-00

| S4WD | | | | | | W | | | | | |
|---|---|--|--|----------------------------------|---|---|---|---|----|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| 1. SERIES S4WD Direct | 2. COLOR TEMP 30K 3000K 35K 3500K 40K 4000K | 3. LENGTH 2 2 ft 8 8 ft 3 3 ft 9 9 ft 4 4 ft 10 10 ft 5 5 ft 11 11 ft 6 6 ft 12 12 ft 7 7 ft RA Continuous Rows (Replace "A" with length in feet) C Custom Length* | 4. OPTICS MB Meta Blanc IK10 PC Polycarbonate IK10 LS Luma Span LG Luma Graze LA Luma Asymmetric | | 5. NATATORIUM FINISH NSA Satin Aluminum NW White NB Black NC Custom Specify RAL: | | 6. LIGHT LEVEL / DRIVER 35 350 lm/f 50 500 lm/f 75 750 lm/f 100 1000 lm/f C Custom Range Specify lumens: (Total lumens between 350-1000 at 50 lm intervals) | | | | |
| | | | For Luma Graze or Luma Asymmetric, select throw direction: <div><input type="checkbox"/> Away from wall <input type="checkbox"/> Towards the wall</div> | | | | | | | | |
| | | | MB: Acrylic opal diffuse lens LS, LA, LG: Optical control lens PC: Semi-diffuse lens | | | | | | | | |
| | 90 CRI is available under OPTIONS | | | See Photometric Data on p2 | | | | Select Driver below. See Light Level Performance chart on p2. | | | |
| 7. CIRCUITRY 1 1 Circuit EM Emergency / Night Light B Emergency Battery Pack* (remote mounted) (Limited to ambient temperatures down to 0°C) | | | | 8. MOUNTING W Wall | | 9. VOLTAGE 1 120 V 2 277 V 3 347 V 4 UNV (120 - 277V) | | 10. CONTROLS OO Outdoor Occupancy Sensor DD Outdoor Dusk to Dawn Sensor _ None (leave space empty) | | 11. OPTIONS 90 90 CRI, High R9 EF End Feed _ None (leave space empty) | |

*Consult factory.

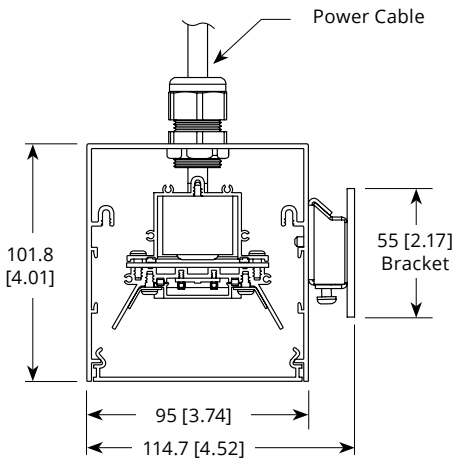
Select Driver: ☐ **FD** Factory option 0-10V, 1% Dimming
☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver
☐ **LSE** Lutron 5-Series EcoSystem LED Driver
 Consult factory for -40 drivers.

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

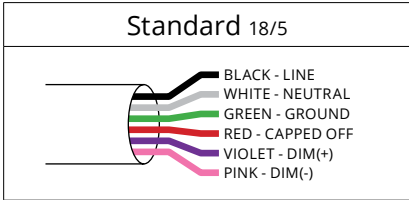
3500K, 80 CRI, 0-10V Dimming (Standard)

| | | Meta Blanc (MB) | | | Drop Lens (MD) | | | Luma Span (LS) | | | Luma Asymmetric (LA) | | | Luma Graze (LG) | | | Lumen Adjustment Factor (Standard) | | |
|--|----------------------------|------------------|------------------|----------------|------------------|------------------|----------------|------------------|------------------|----------------|----------------------|------------------|----------------|------------------|------------------|----------------|------------------------------------|--|--|
| 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) | | | |
| 35 | | 381 | 3.9 | 99 | 388 | 3.9 | 101 | 363 | 3.2 | 115 | 364 | 3.0 | 122 | 450 | 3.3 | 137 | | | |
| 50 | | 574 | 5.7 | 100 | 585 | 5.8 | 102 | 522 | 4.7 | 112 | 525 | 4.4 | 118 | 565 | 4.3 | 133 | | | |
| 75 | | 790 | 8.1 | 97 | 807 | 8.1 | 99 | 772 | 6.9 | 111 | 772 | 6.4 | 121 | 767 | 5.7 | 134 | | | |
| 100 | | 1090 | 11.8 | 93 | 1115 | 11.7 | 95 | 1025 | 9.4 | 109 | 1016 | 8.8 | 116 | 1457 | 11.7 | 125 | | | |
| Light Level 75 | IES File | S4WD-35K-4-MB-75 | | | S4WD-35K-4-PC-75 | | | S4WD-35K-4-LS-75 | | | S4WD-35K-4-LA-75 | | | S4WD-35K-4-LG-75 | | | | | |
| | Distribution % (Down / Up) | 100 / 0 | | | 100 / 0 | | | 100 / 0 | | | 100 / 0 | | | 100 / 0 | | | | | |
| | Zonal Lumens (0-90/90-180) | 3156 / 0 | | | 3227 / 0 | | | 3086 / 0 | | | 3088 / 0 | | | 3067 / 0 | | | | | |
| | Distribution Curve | | | | | | | | | | | | | | | | | | |
| Metalumen's light level performance metrics are subject to manufacturers component tolerances. | | | | | | | | | | | | | | | | | | | |

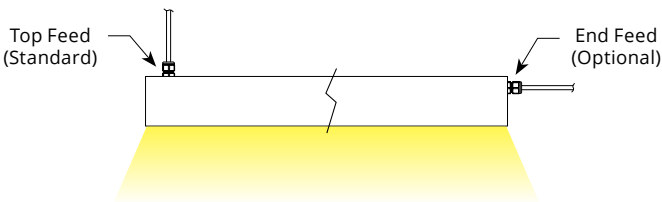
CROSS SECTION



WIRING



POWER CABLE FEED LOCATION



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: Standard natatorium powder coated finish in satin aluminum, white and black. Exceeds 4000 salt spray hours (ASTM B117). For custom colors,

contact factory.

Weight: 3 lb/ft

Mounting: Wall mount with lens facing down. Mounting plate provided.

Drivers: Metalumen offers dimming* drivers as a standard on our entire LED product offering at 0-10V. 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.