

RAIL 4 WET S4WD

MULLION . 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

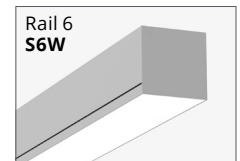
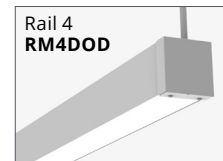
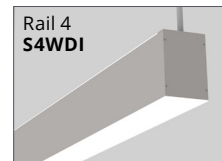

PART #:	
PREP BY:	DATE:
PROJECT:	QTY:
NOTES:	
APPROVAL SIGNATURE:	DATE (DD/MM/YYYY):

PERFORMANCE SUMMARY @ 3500K

		Meta Blanc MB	Polycarb PC	Luma Asym LA	Luma Graze LG
Light Level 50					
Lumens per foot	80 CRI	574	585	525	767
	90 CRI	502	512	459	671
Wattage per foot		5.7	5.8	4.4	5.7
Efficacy	80 CRI	100	102	118	134
	90 CRI	88	88	104	118
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-M-3-OO

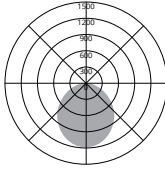
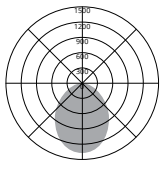
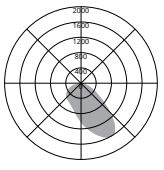
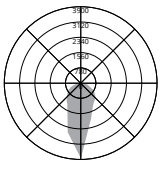
S4WD							M				
1	2	3	4	5	6	7	8	9	10	11	
1. SERIES S4WD Direct	2. COLOR TEMP 30K 3000K 35K 3500K 40K 4000K 90 CRI is available under OPTIONS	3. LENGTH 2 2 ft 3 3 ft 4 4 ft 5 5 ft 6 6 ft 7 7 ft 8 8 ft 9 9 ft 10 10 ft 11 11 ft 12 12 ft RA Continuous Rows (Replace "A" with length in feet) C Custom Length*		4. OPTICS MB Meta Blanc IK10 PC Polycarbonate IK10 LA Luma Asymmetric LG Luma Graze MB: Acrylic opal diffuse lens LA, LG: Optical control lens PC: Semi-diffuse lens See Photometric Data on p2			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) 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 M Mullion		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)

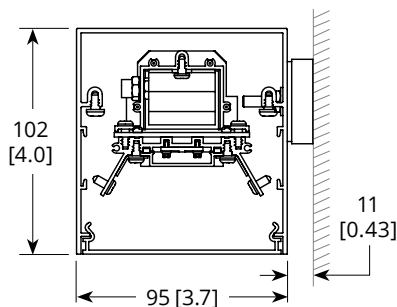
Light Level	Meta Blanc (MB)			Polycarbonate (PC)			Luma Asymmetric (LA)			Luma Graze (LG)		
	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
35	381	3.9	99	388	3.9	101	364	3.0	122	450	3.3	137
50	574	5.7	100	585	5.8	102	525	4.4	118	565	4.3	133
75	790	8.1	97	807	8.1	99	772	6.4	121	767	5.7	134
100	1090	11.8	93	1115	11.7	95	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-LA-75		S4WD-35K-4-LG-75				
	Distribution % (Down / Up)	100 / 0		100 / 0		100 / 0		100 / 0				
	Zonal Lumens (0-90/90-180)	3156 / 0		3227 / 0		3088 / 0		3067 / 0				
	Distribution Curve											

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

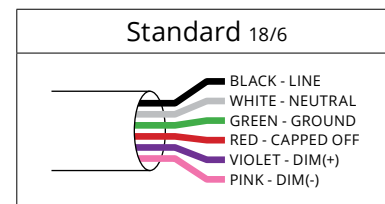
Lumen Adjustment Factor (Standard)

Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

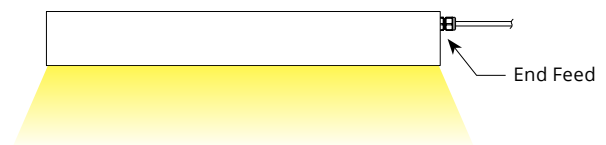
CROSS SECTION



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: Mullion mount bracket provided. Inverse mounting option is suitable for exterior use with full overhead coverage similar to canopy. Not acceptable for direct sky or extreme weather conditions.

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.