RAIL 4 WET S4W-DI

MULLION . DIRECT / INDIRECT

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

PERFORMANCE SUMMARY @ 3500K

	Up: Meta Blanc, Down: Meta Blanc (MBMB)
Lumens per foot	1000
Wattage per foot	10
Efficacy (lm/W)	100
L70 Estimate (h)	≥ 60,000 hrs

See page 2 for the complete Light Level Performance chart.
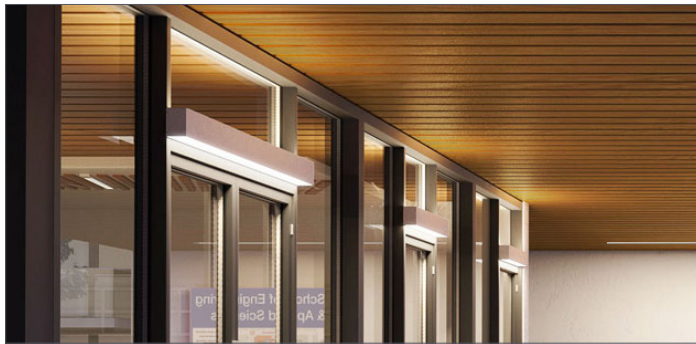
- Wet location and IP54 rated
- Continuous direct optics with no breaks
- Constructed of non-ferrous components
- Standard natatorium finish

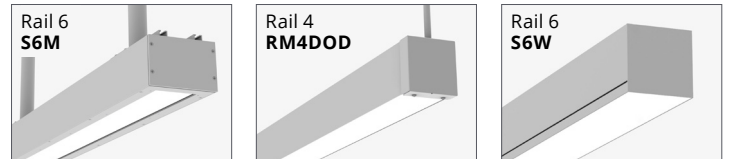**5 YEAR WARRANTY** · c UL us LISTED E360886 · IP54 · WET · IK 05 PENDING

OTHER RAIL WET SERIES PRODUCTS

Rail 6 **S6M**

Rail 4 **RM4DOD**

Rail 6 **S6W**

ORDERING LOGIC

Example Part Number: S4W-DI-35K-8-MBMB-NW-150EM-M-3-90

S4W-DI | | | | | | | **M** | |
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

1. SERIES	2. COLOR TEMP	3. LENGTH		4. OPTICS	5. NATATORIUM FINISH	6. LIGHT LEVEL / DRIVER (50% UP / 50% DOWN)
S4W-DI	**30K** 3000K	**3** 3 ft	**8** 8 ft	**MBMB** Up: Meta Blanc Down: Meta Blanc (Opal diffuse lens)	**NSA** Satin Aluminum	**100** 1000 lm/f
	35K 3500K	**4** 4 ft	**9** 9 ft		**NW** White	**150** 1500 lm/f
	40K 4000K	**5** 5 ft	**10** 10 ft		**NB** Black	**200** 2000 lm/f
	90 CRI is available under OPTIONS	**6** 6 ft	**11** 11 ft		**NC** Custom Specify RAL:	**C** Custom Range Specify lumens:
		7 7 ft	**12** 12 ft			**Indirect** **Direct**
		RA Continuous Rows (Replace "A" with length in feet)				**U** **D**
		C Custom Length*				(Combined lumens between 750-2000 at 50 lm intervals)
						Select Driver below. See Light Level Performance chart on p2.

7. CIRCUITRY	8. MOUNTING	9. VOLTAGE	10. OPTIONS
1 1 Circuit	**M** Mullion Mount	**1** 120 V	**90** 90 CRI, High R9
EM Emergency / Night Light		**2** 277 V	**SP** Surge Protection
B Emergency Battery Pack* (remote mounted) (Limited to ambient temperatures down to 0°C)		**3** 347 V	**EF** End Feed (Alone fixtures only)
		4 UNV (120 - 277V)	**_** None (leave space empty)

*Consult factory.

Select Driver:

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

Optics	Up: Meta Blanc, Down: Meta Blanc (MB)		
Code	Lumens per foot	Wattage per foot	Efficacy (lm/W)
1000	1000	10.0	100
1500	1500	15.3	98
2000	2000	21.1	95

Lumen Adjustment Factor

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

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

BLOCK MOUNTING DETAIL
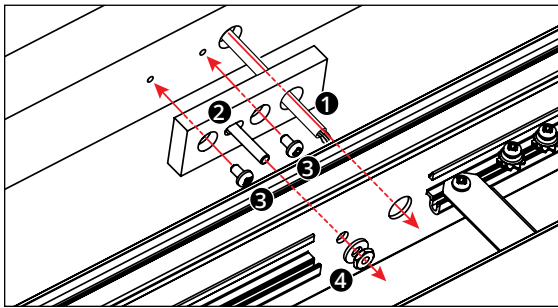
Step 1
Feed power through the wire entry hole in the mullion block and connect power within the luminaire.

Step 2
Insert carriage bolt in to mullion block before fastening block to wall.

Step 3
Fasten the mullion block to the wall with fasteners by others.

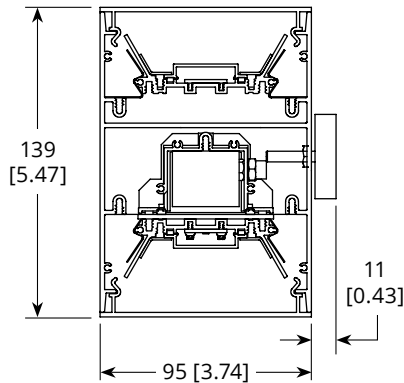**Step 4**
Attach luminaire to the mullion block by securing the luminaire mount nut onto the carriage bolt inside the luminaire.

WIRING

Standard	Emergency / Night Light
BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAPPED OFF VIOLET - DIM(+) PINK - DIM(-)	BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAPPED OFF VIOLET - CAPPED OFF PINK - CAPPED OFF

Metalumen

570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9

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www.metalumen.com

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FILE NAME: S4W_DI_SS_SPEC_SHEET_20230608

CROSS SECTIONS

139 [5.47]

11 [0.43]

95 [3.74]

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: Satin aluminum, white and black are standard with a natatorium finish. For custom colors, contact factory.

Weight: 2.1 kg/300mm [4.6 lb/ft]

Mounting: Mullion mount bracket 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.

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

PHOTOMETRIC DATA - 3500K, 80 CRI

Optics Up: **Meta Blanc**
Optics Down: **Meta Blanc**
IES File: **S4W-DI-35K-4-MBMB-1000**
Lumens: **1000/ft** Wattage: **10/ft**
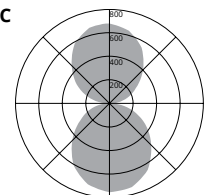Efficacy: **100 LPW**

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	2102	52.4
90-180	1911	47.6
0-180	4013	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	610	608	586
55	602	581	557
65	601	565	519
75	611	549	469
85	713	639	398

PHOTOMETRIC CURVE

48% Up
53% Down

Photometric performance is measured and scaled in accordance with IESNA LM-79.

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