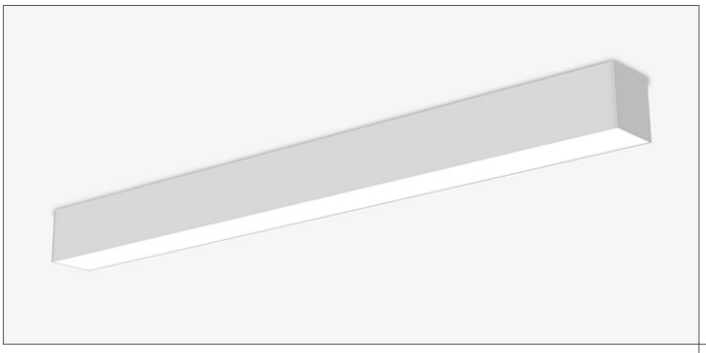
RAIL 4 WET S4WD

SURFACE . DIRECT

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



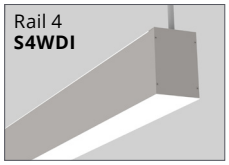
PERFORMANCE SUMMARY @ 3500K		Meta Blanc MB	Luma Span LS	Luma Asym LA	Luma Graze LG	Polycarb PC
		Light Level 50				
Lumens per foot	80 CRI	574	522	525	767	585
	90 CRI	502	457	459	671	512
Wattage per foot		5.7	4.7	4.4	5.7	5.8
Efficacy	80 CRI	100	112	118	134	102
	90 CRI	88	97	104	118	88
L70 Estimate (h)		≥ 60,000 hrs				

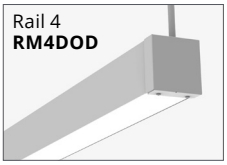
See complete Light Level Performance and Photometric Data on p2

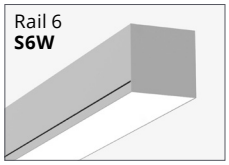
- Optimized light control and lumen output with precision **Luma Optics™** available in batwing, asymmetric, and wall graze distributions.
- **Efficacy up to 137 LPW**
- Wet location and IP54 rated
- Constructed of non-corrosive components
- Standard natatorium powder coat finish

5 YEAR WARRANTY · cULus LISTED E360888 · IP54 · WET · IK10 · LUMA OPTICS

OTHER RAIL WET SERIES PRODUCTS


Rail 4 **S4WDI**


Rail 4 **RM4DOD**


Rail 6 **S6W**

ORDERING LOGIC

Example Part Number: S4WD-35K-8-MB-NW-1001-S-3-OO

S4WD								S			
1	2	3	4	5	6	7	8	9	10	11	12

1. SERIES
S4WD Direct

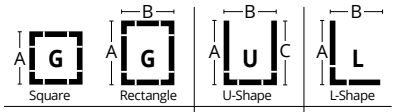
2. COLOR TEMP
30K 3000K
35K 3500K
40K 4000K

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. PATTERN [1]
GA Square
GAx**B** Rectangle
UAx**B**x**C** U-Shape
LAx**B** L-Shape
C Custom Pattern*
_ None (leave space empty)

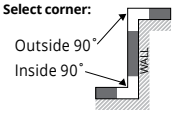
Standard Patterns Minimum Lengths



A = 4 ft min. B = 4 ft min.
A = 3 ft min. B = 4 ft min. C = 3 ft min.
A = 3 ft min. B = 3 ft min.

Custom Patterns*

Select corner:



5. OPTICS
MB Meta Blanc IK10
PC Polycarbonate IK10
LS Luma Span (Batwing)
LA Luma Asymmetric
LG Luma Graze

MB: Acrylic opal diffuse lens
LS, LA, LG: Optical control lens
PC: Semi-diffuse lens

See Photometric Data on p2

6. FINISH
NSA Satin Aluminum
NW White
NB Black
NC Custom Specify RAL:

7. 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.

8. CIRCUITRY
1 1 Circuit
EM Emergency / Night Light
B Emergency Battery Pack* (remote mounted) (Limited to ambient temperatures down to 0°C)

9. MOUNTING
S Surface

10. VOLTAGE
1 120 V
2 277 V
3 347 V
4 UNV (120 - 277V)

11. CONTROLS
OO Outdoor Occupancy Sensor
DD Outdoor Dusk to Dawn Sensor
_ None (leave space empty)

12. OPTIONS
90 90 CRI, High R9
_ None (leave space empty)

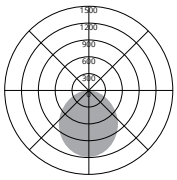
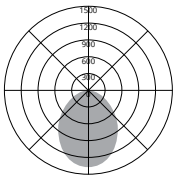
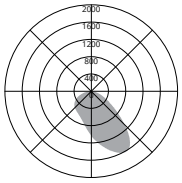
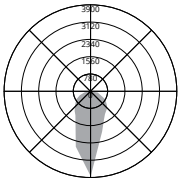
*Consult factory. | [1] Pattern record drawings showing mounting locations will be sent out upon order.

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

Consult factory for -40 drivers.

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

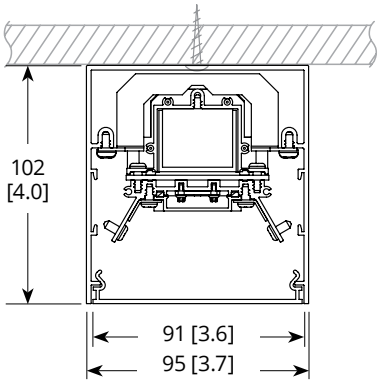
Light Level		Meta Blanc (MB)			Polycarbonate (PC)			Luma Asymmetric (LA)			Luma Graze (LG)		
		Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
35		381	3.9	99	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.

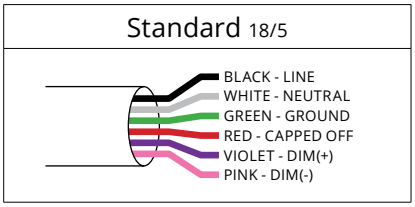
Lumen Adjustment Factor (Standard)

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

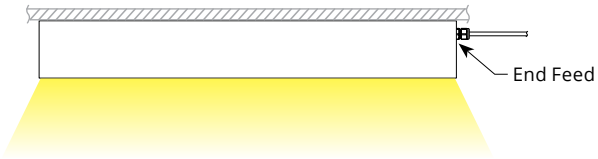
CROSS SECTION



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: Surface ceiling mount. Hole on extrusion for screws (by others).
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.