RAIL 4 WET S4W-D

SOLID STEM . DIRECT

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

PERFORMANCE SUMMARY @ 3500K		Meta Blanc (MB)	Polycarbonate (PC)
Light Level		**50**	**50**
Lumens per foot	80 CRI	574	585
	90 CRI	502	512
Wattage per foot		5.7	5.8
Efficacy	80 CRI	100	102
	90 CRI	88	88
L70 Estimate (h)		≥ 60,000 hrs	

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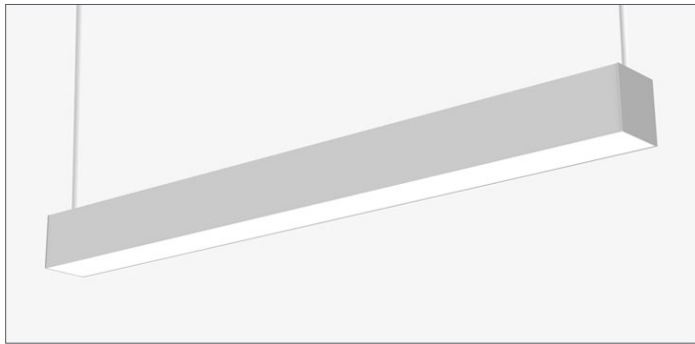
- Wet location and IP54 rated
- Continuous direct optics with no breaks
- Constructed of non-corrosive components
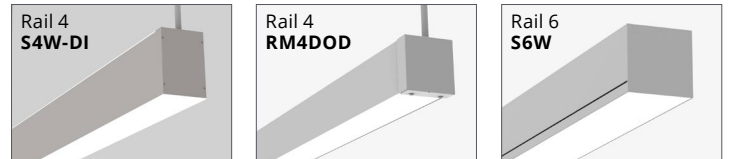- Standard natatorium powder coat finish

5 YEAR WARRANTY · c(UL)us LISTED E360886 · IP54 · WET · IK10

OTHER RAIL WET SERIES PRODUCTS

Rail 4 **S4W-DI**

Rail 4 **RM4DOD**

Rail 6 **S6W**

ORDERING LOGIC

Example Part Number: S4W-D-35K-8-MB-NW-1001-SS18-3-OO-90

S4W-D							SS			
1	2	3	4	5	6	7	8	9	10	11

1. SERIES
S4W-D Direct

2. COLOR TEMP
30K 3000K
35K 3500K
40K 4000K
90 CRI is available under OPTIONS

3. LENGTH
3 3 ft · **8** 8 ft
4 4 ft · **9** 9 ft
5 5 ft · **10** 10 ft
6 6 ft · **11** 11 ft
7 7 ft · **12** 12 ft
RA Continuous Rows (Replace "A" with length in feet)
C Custom Length*

4. OPTICS
MB Meta Blanc
PC Polycarbonate

Meta Blanc: Opal diffuse
Polycarbonate: Semi-diffuse

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
SSA Solid Stem
Replace "A" with length in inches selected below.
Select Solid Stem Length, Canopy Finish & Power Cord Color below

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
– 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

Select Solid Stem Length - 1/2" OD Standard:
Standard supplied length is 18" (460mm). Hangers will be supplied at closest length. All other lengths are considered custom unless otherwise stated.
If no selection is made, 48" will be supplied.

Select:	Imperial (in)	Metric (mm)
☐	**12**	305
☐	**15**	380
☐	**18**	460
☐	**21**	533
☐	**24**	610
☐	**27**	685
☐	**30**	760

Select:	Imperial (in)	Metric (mm)
☐	**33**	840
☐	**36**	915
☐	**39**	990
☐	**42**	1067
☐	**45**	1145
☐	**48**	1220
☐	Custom Length (in inches):	

Select Canopy Finish & Power Cord Color

Canopy	Power Cord
☐ White	☐ White
☐ Black	☐ Black
☐ Custom Finish	
RAL:	

Metalumen · 570 Southgate Drive, Guelph, Ontario N1G 4P6 · Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9 · 1.800.621.6785 | T 519.822.4381 | F 519.822.4589 · www.metalumen.com

Light Level Performance

3500K, 80 CRI, 0-10V Dimming

Light Level	Meta Blanc (MB)			Polycarbonate (PC)		
	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
50	574	5.7	100	585	5.8	102
75	790	8.1	97	807	8.1	99
100	1090	11.8	93	1114	11.7	95

Lumen Adjustment Factor

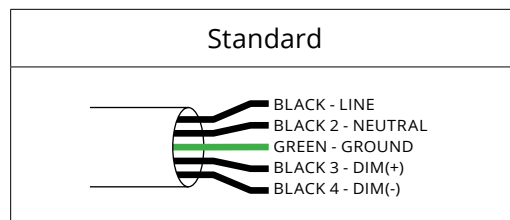| Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

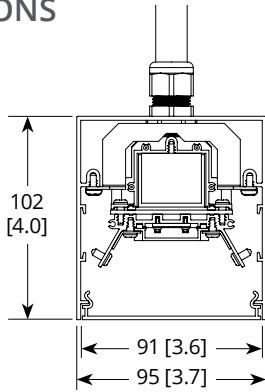Metalumen's light level performance metrics are subject to manufacturers component tolerances.

HANGER

Aircraft Cable & Cord

Contractor to attach hanger bracket to structure of suitable strength to support fixture

Screws by others

Octagon Box (by others)

Hanger Bracket

Slip ring with set screw

127 [5.0] DIA Painted Canopy

12.7 [0.5] DIA Painted Stem

Power Cord (Supplied 610 [24.0] longer than specified suspension length)

WIRING

Standard

BLACK - LINE
BLACK 2 - NEUTRAL
GREEN - GROUND
BLACK 3 - DIM(+)
BLACK 4 - DIM(-)

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CROSS SECTIONS

102 [4.0]

91 [3.6]

95 [3.7]

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. For custom colors, contact factory.

Weight: 3 lb/ft
Mounting: Solid stem mount.
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. 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.

PHOTOMETRIC DATA - 3500K, 80 CRI

Optics: **Meta Blanc**
IES File: **S4W-D-35K-4-MB-75**
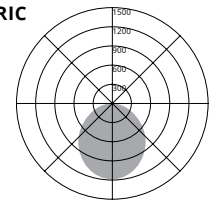Lumens: **790/ft**   Wattage: **8.1/ft**
Efficacy: **97 LPW**

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	3161	100
90-180	0	0
0-180	3161	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle	
	0/180	90/270
85	4868	7919
75	6987	7914
65	7991	8664
55	8693	9221
45	9295	9802

PHOTOMETRIC CURVE
100% Down

Optics: **Polycarbonate Lens**
IES File: **S4W-D-35K-4-PC-75**
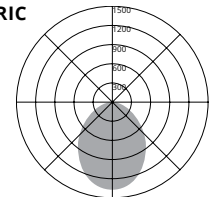Lumens: **791/ft**   Wattage: **8.6/ft**
Efficacy: **87 LPW**

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	3226	100
90-180	0	0
0-180	3226	100

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle	
	0/180	90/270
85	2585	6586
75	5286	6573
65	6877	8266
55	8033	9331
45	9176	10290

PHOTOMETRIC CURVE
100% Down

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

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FILE NAME: S4WD_S_SPEC_SHEET_20240321