RAIL 6 S6M

WET . IP65 . SOLID STEM . DIRECT

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

PERFORMANCE SUMMARY @ 3500K

		Polycarbonate (PC) Meta Ice (M)	Polycarbonate Asymmetric (PCA) Meta Asymmetric (MA)	Meta Blanc (MB)
Lumens per foot	80 CRI	750	750	Consult factory
	90 CRI	656	656	
Wattage per foot		7.9	8.2	
Efficacy (lm/W)	80 CRI	95	92	
	90 CRI	83	80	
L70 Estimate (h)		≥ 60,000 hrs		

See page 2 for the complete Light Level Performance chart.

- IP65 rated
- 3G vibration rated
- Natatorium finish
- Polycarbonate lens option
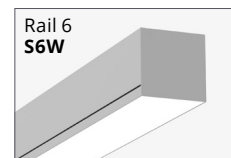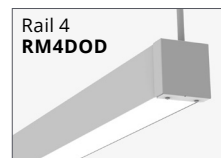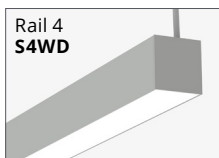- Sealed door design
- Vandal resistant hardware

5 YEAR WARRANTY · cULus LISTED E360886 · WET · IP65 · 3G · IK10 Polycarbonate Lens only

OTHER RAIL WET SERIES PRODUCTS

Rail 4 **S4WD**

Rail 4 **RM4DOD**

Rail 6 **S6W**

ORDERING LOGIC

Example Part Number: S6M-35K-8-MB-NW-35EM-SS18-1-90

S6M							SS		
1	2	3	4	5	6	7	8	9	10

1. SERIES
S6M

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

90 CRI is available under OPTIONS

3. LENGTH
- **4** 4 ft
- **8** 8 ft
- **12** 12 ft
- **RA** Continuous Rows (Replace "Δ" with length in feet)
- **C** Custom Length*

4. OPTICS
- **MB** Meta Blanc
- **M** Meta Ice
- **MA** Meta Asymmetric
- **PC** Polycarbonate
- **PCA** Polycarbonate Asymmetric

Meta Blanc: Opal diffuse lens

Meta Ice: High output semi-diffuse lens

5. NATATORIUM FINISH
- **NSA** Satin Aluminum
- **NW** White
- **NB** Black
- **NC** Custom Finish 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:

(Lumen range between 350-1250 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[2] (Battery option is limited to ambient temeratures above 0°C)
- **BC** Emergency Battery Pack[2] for Cold Weather (Limited to ambient temeratures down to -20°C)

8. MOUNTING
SSX Solid Stem

Replace "X" with length in inches selected below. Select Solid Stem Length & Power Cord Color below

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

10. OPTIONS
- **90** 90 CRI, High R9
- **SP** Surge Protection
- **EF** End Feed (Alone fixtures only)
- **VH** Vandal Resistant Hardware
- **_** None (leave space empty)

*Consult factory. | [2] Battery operates 4ft sections only.

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 - 1.66" OD Standard:

Standard supplied length is 18" (460mm). Hangers will be supplied at closest length. All other lengths are considered custom unless otherwise stated.

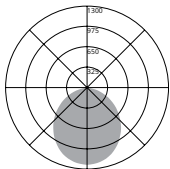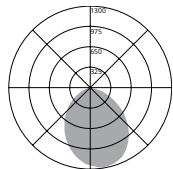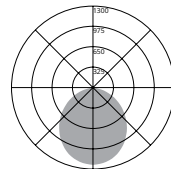| Select:	Imperial (in)	Metric (mm)
☐	12	305
☐	15	380
☐	18	460
☐	21	533
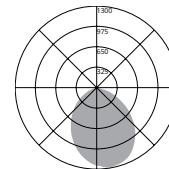
Select:	Imperial (in)	Metric (mm)
☐	24	610
☐	27	685
☐	30	760
☐	Custom Length (in inches): _____	

Select Power Cord Color

Power Cord
☐ White
☐ Black

Metalumen
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Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9
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FILE NAME: S6M_SS_SPEC_SHEET_20250707

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

Light Level	Polycarbonate (PC)			Polycarbonate Asymmetric (PCA)			Meta Ice (M)			Meta Asymmetric (MA)			Meta Blanc (MB)		
	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)
L1	350	3.8	93	350	3.8	92	350	3.8	93	350	3.8	92			
L2	500	5.3	95	500	5.4	92	500	5.3	95	500	5.4	92			
L3	750	7.9	95	750	8.2	92	750	7.9	95	750	8.2	92			
L4	1000	10.9	92	1000	11.1	90	1000	10.9	92	1000	11.1	90			

IES File	S6M-35K-4-PC-750	RM4D-1L35K-4-MD-L3	RM4D-1L35K-4-LA-L3	RM4D-1L35K-4-LG-L3
Distribution % (Down / Up)	100 / 0	100 / 0	100 / 0	100 / 0
Zonal Lumens (0–90 / 90–180)	3002 / 0	2998 / 100	3002 / 0	2998 / 100
Distribution Curve				

Light Level L3

Meta Blanc (MB): Consult factory

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

Lumen Adjustment Factor (Standard)

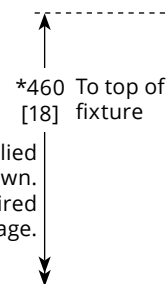| Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

CROSS SECTIONS

123 [4.8]
117 [4.6]
103 [4.1]
150 [5.9]

SOLID STEM HANGER

*460 [18] To top of fixture

Contractor to attach fixture to structure of suitable strength to support fixture (By Others)

*Standard supplied length as shown. Indicate desired length on first page.

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 milled end cap.
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 colors with a natatorium finish. For custom colors, contact factory.

Weight: 2.4 kg/300mm [5.2 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.

WIRING

Standard	Emergency	Emergency Battery Pack
BLACK - LINE	BLACK - LINE	BLACK - UNSWITCHED HOT
WHITE - NEUTRAL	WHITE - NEUTRAL	WHITE - LINE
GREEN - GROUND	GREEN - GROUND	GREEN - GROUND
VIOLET - DIM(+)	VIOLET - CAP OFF	VIOLET - CAP OFF
PINK - DIM(-)	PINK - CAP OFF	PINK - CAP OFF

Metalumen

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