

RAIL 4 OUTDOOR

OUTDOOR . LED . SOLID STEM . 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 L3						
Lumens per foot	80 CRI	648	719	744	743	663
	90 CRI	567	629	651	650	580
Wattage per foot		5.7	5.8	6	6	6
Efficacy	80 CRI	113	125	129	129	115
	90 CRI	99	103	107	108	100
L70 Estimate (h)		≥ 60,000 hrs				

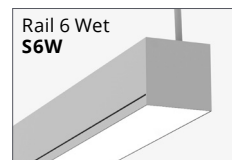
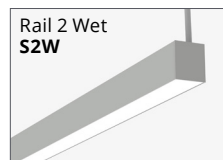
See complete Light Level Performance and Photometric Data on p2

- Efficacy up to 129 LPW
- Integral drivers
- Optimized light control and lumen output with precision **Luma Optics™** available in batwing, asymmetric, and wall graze distributions.
- Indirect distribution available with Inverse Mount option
- Standard natorium finish
- Emergency lighting

5 YEAR WARRANTY



OTHER RAIL WET SERIES PRODUCTS



ORDERING LOGIC

Example Part Number: RM4DOD-1L35K-G6x8-MB-W-L31-SS18-1-90

RM4DOD								SS			
1	2	3	4	5	6	7	8	9	10	11	
1. SERIES RM4DOD	2. COLOR TEMP 1L30K 3000K 1L35K 3500K 1L40K 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* _ None (leave space empty)	4. PATTERN ¹ GA Square GAxB Rectangle UAxBxC U-Shape LAxB L-Shape C Custom Pattern* _ None (leave space empty) Standard Pattern Minimum Lengths Custom Patterns* Lengths and a drawing of custom pattern are required on page 2 Select corner: <input type="checkbox"/> Outside 90° <input type="checkbox"/> Inside 90°				5. OPTICS MB Meta Blanc LS Luma Span (Batwing) LA Luma Asymmetric LG Luma Graze PC Polycarbonate IK10 MB: Acrylic opal diffuse lens LS, LA, LG: Optical control lens PC: Semi-diffuse lens See Photometric Data on p2		6. NATATORIUM FINISH SA Satin Aluminum W White B Black C Custom Finish Specify RAL:		
7. LIGHT LEVEL / DRIVER L1 L2 Select Driver below. See Light Level Performance and Photometric Data on p2 L3 L4 LX Enter desired lm/ft:		8. CIRCUITRY 1 1 Circuit EM Emergency / Night Light (not available for 2ft) B Emergency Battery Pack ² (Limited to ambient temperatures above 0°C) BC Emergency Battery Pack for Cold Weather ² (Limited to ambient temperatures down to -20°C)		9. MOUNTING SSA Solid Stem <i>Not suitable for installation in areas exposed to wind loads.</i> Replace "A" with length in inches selected on next page. Select Solid Stem Length, Canopy Finish & Power Cord Color on next page		10. VOLTAGE 1 120 V 2 277 V 3 347 V 4 UNV (120 - 277V)		11. OPTIONS 90 90 CRI, High R9 SP Surge Protection VH Vandal Resistant Hardware EF End Feed (Alone fixtures only) _ None (leave space empty)			

*Consult factory. | ¹ Pattern record drawings showing locations will be sent out upon order. | ² Battery operates 4ft sections only.

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.

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.**

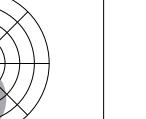




Select:	Imperial (in)	Metric (mm)	Select:	Imperial (in)	Metric (mm)	Select:	Imperial (in)	Metric (mm)
<input type="checkbox"/>	12	305	<input type="checkbox"/>	27	685	<input type="checkbox"/>	42	1067
<input type="checkbox"/>	15	380	<input type="checkbox"/>	30	760	<input type="checkbox"/>	45	1145
<input type="checkbox"/>	18	460	<input type="checkbox"/>	33	840	<input type="checkbox"/>	48	1220
<input type="checkbox"/>	21	533	<input type="checkbox"/>	36	915	<input type="checkbox"/>	Custom Length	
<input type="checkbox"/>	24	610	<input type="checkbox"/>	39	990	<input type="checkbox"/>	(in inches):	

Select Canopy Finish & Power Cord Color

Canopy		Power Cord
<input type="checkbox"/> White	<input type="checkbox"/> Custom Finish	<input type="checkbox"/> White
<input type="checkbox"/> Black	RAL: _____	<input type="checkbox"/> Black

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

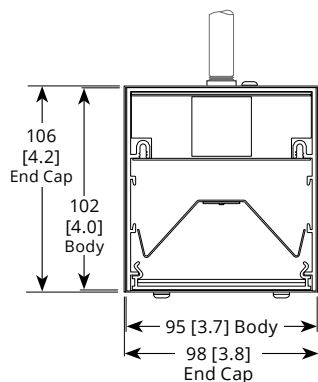
		Meta Blanc (MB)			Luma Span (LS)			Luma Asymmetric (LA)			Luma Graze (LG)			Polycarbonate Lens (PC)		
Light Level		Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
L1		385	3.3	117	424	3	129	441	3	134	440	3	134	392	3.3	119
L2		481	4.3	113	532	4	125	553	4	130	550	4	129	491	4.3	115
L3		648	5.7	113	719	6	125	744	6	129	743	6	129	663	5.8	115
L4		1206	11.8	102	1333	12	113	1383	12	117	1381	12	117	1232	11.7	104
Light Level L3	IES File	RM4DOD-1L35K-4-MB-L3			RM4DOD-1L35K-4-LS-L3			RM4DOD-1L35K-4-LA-L3			RM4DOD-1L35K-4-LG-L3			RM4DOD-1L35K-4-PC-L3		
	Distribution % (Down / Up)	100 / 0			100 / 0			100 / 0			100 / 0			100 / 0		
	Zonal Lumens (0-90 / 90-180)	2593 / 0			2874 / 0			2974 / 0			2970 / 0			2651 / 0		
	Distribution Curve															

Lumen Adjustment Factor (Standard)

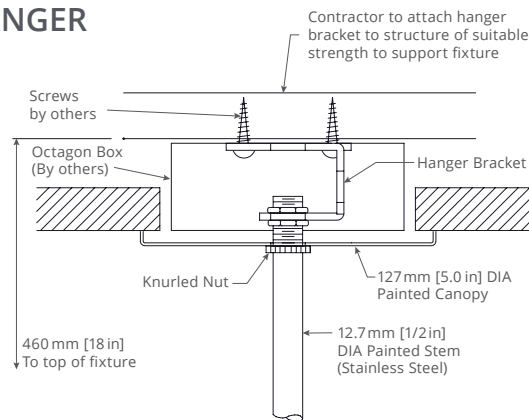
Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

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

CROSS SECTIONS



HANGER



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.

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. Exceeds 4000 salt spray hours (ASTM B117). For custom colors, contact factory.

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

Mounting: Stainless steel solid stem with a powder coat paint finish. Not suitable for installation in areas exposed to wind loads.

Drivers: Metalumen offers 0-10V dimming* as a standard on our entire LED product offering. 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.