SPECIFICATION SHEET

RAIL 6 S6

TUNABLE . SURFACE . DIRECT

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

PERFORMANCE SUMMARY @ 4000K		Meta Blanc (MB)	Drop Lens (MD)
		L3	L3
Lumens per foot	80 CRI		
	90 CRI	Contact factory for Light Level Performance	
Wattage per foot			
Efficacy (LPW)	80 CRI		
	90 CRI		
L70 Estimate (h)		> 100,000 hrs	

FEATURES

- Independant control of intensity and correlated color temperature (CCT)
- Allows for scheduled mimicking of daylight color temperatures
- Dim-to-Warm simulates warmer CCT shift as luminaire dims (i.e. like traditional incandescent and halogen lights).

ORDERING LOGIC

Example Part Number: S6-1LTUN-12-MB-W-L31-S-1-D-90

S6							S			
1	2	3	4	5	6	7	8	9	10	11

1. SERIES	2. COLOR TEMP	3. LENGTH	4. OPTICS	5. FINISH	6. LIGHT LEVEL / DRIVER
S6	**1LTUN** Tunable White (2700 - 6500K)	**2** 2 ft	**MB** Meta Blanc	**SA** Satin Aluminum	**L1**
	1LDW Dim to Warm* (3500 - 2700K)	**3** 3 ft	**MD** Drop Lens	**W** White	**L2** Select Driver below.
		4 4 ft		**B** Black	**L3** Contact factory for Light Level Performance
	90 CRI is available under OPTIONS	**5** 5 ft		**C** Custom Finish Specify RAL:	**L4**
	Dim to Warm is not available with integrated sensors.	**6** 6 ft	**Meta Blanc & Drop Lens:** Opal diffuse lens		
		7 7 ft			
	Tunable White and Dim to Warm are availabe with emergency battery packs connected to the cool color LEDs only.	**8** 8 ft			
		9 9 ft			
		10 10 ft			
		11 11 ft			
		12 12 ft			
		RA Continuous Rows Replace "A" with length in feet selected on the CONTINOUS ROWS page			

7. CIRCUITRY	8. MOUNTING	9. VOLTAGE	10. CONTROLS / SENSORS	11. OPTIONS
1 1 Circuit	**S** Surface	**1** 120 V	**_** None (leave space empty)	**90** 90 CRI, High R9
EM Emergency / Night Light [1]		**2** 277 V	**D** Daylight Sensor**	**_** None (leave space empty)
B Emergency Battery Pack [2]		**4** UNV (120 - 277V)	**O** Occupancy Sensor**	
			DO Daylight and Occupany Sensors**	

PLEASE NOTE Dim to Warm is not available with integrated sensors.
Tunable White and Dim to Warm are availabe with emergency battery packs connected to the cool color LEDs only.

* Consult factory for alternate options. | ** Controls intensity only (not CCT). | [1] Each EM pod, by default, has separate wire entry for DIM and CCT control. | [2] Battery operates 4ft sections only.

Select Driver:

- ☐ Factory option dual 0-10V (Dim & CCT), 1% Dimming
- ☐ Lutron T Series EcoSystem, 1% Dimming
- ☐ DALI - Factory Option, DT6 Dual Address, 1% Dimming
- ☐ DALI - Factory Option, DT8 Single Address Color Control, 1% Dimming
- ☐ DALI - EldoLED

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
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WIRING

Emergency / Night Light	Emergency Battery Pack
BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAP OFF	BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - UNSWITCHED HOT

Luminaire with Integral Driver

Line Voltage / Control to Luminaire

Hard Wire	Power Cord
(7) Leads BLACK - LINE WHITE - NEUTRAL BARE - GROUND VIOLET - DIM (+) PINK - DIM (−) VIOLET - CCT MIX (+) PINK - CCT MIX (−)	(18-6) BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CCT MIX (+) VIOLET - DIM (+) PINK - DIM (−) / CCT MIX (−) VIOLET - DIM (+) Not available with fixture integrated occupancy or daylight sensor option.

Luminaire with Remote Driver (BB Box)

Line Voltage / Control to Remote Driver (BB Box)

Hard Wire	Power Cord
(7) Leads BLACK - LINE WHITE - NEUTRAL BARE - GROUND VIOLET - DIM (+) PINK - DIM (−) VIOLET - CCT MIX (+) PINK - CCT MIX (−)	(18-6) BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CCT MIX (+) VIOLET - DIM (+) PINK - DIM (−) / CCT MIX (−)

Remote Driver (BB Box) to Luminaire

Hard Wire	Cord
REMOTE DRIVER RED - LED1 + BLUE - LED1 − RED - LED2 + BLUE - LED2 − BARE - GROUND	(18-5) BLACK - LED1 − WHITE - LED1 + GREEN - GROUND VIOLET - LED2 + PINK - LED2 −

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CONTINUOUS ROWS

Step 1) Indicate desired quantity of rows under the QTY column

Step 2) ▢← Pods →▢ If applicable, select pod(s) per row to indicate desired Emergency Lighting/Night Light/Battery Location. If a similar row requires a different Emergency lighting location, please fill out another sheet.

Record drawings for rows not represented here will be sent out upon order.

LEGEND

- ▮ Standard (STD) Wire Entry Location (located 52mm from end on top of fixture)
- ▮ Emergency (EM) / Night Light Location (4 ft sections)
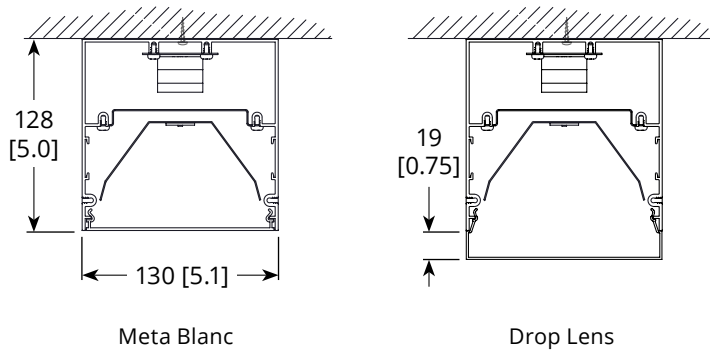- ▨ EM or Battery Wire Entry Location (located 52mm from end on top of fixture)

EM / Night Light and EM or Battery Wire Entry location in relation to pod selections:

Example 20 ft run

QTY	Nominal Length	Run Length Overall	Alone / Start Length	Mid Length(s)	End Length
____	4'	1223 [48.1]	4		
____	8'	2442 [96.1]	8		
____	12'	3662 [144.2]	12		
____	16'	4880 [192.1]	8		8
____	20'	6100 [240.2]	12		8
____	24'	7320 [288.2]	12		12
____	28'	8538 [336.1]	8	12	8
____	32'	9758 [384.2]	12	8	12
____	36'	10978 [432.2]	12	12	12
____	40'	12196 [480.2]	12	8, 8	12
____	44'	13416 [528.2]	12	12, 8	12
____	48'	14636 [576.2]	12	12, 12	12

ROWS IN PLAN VIEW

Rows are for demonstration purposes only and are not to scale.

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CROSS SECTIONS

128
[5.0]

130 [5.1]

Meta Blanc

19
[0.75]

Drop Lens

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 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: ≥ 100,000hrs.
Finish: Satin aluminum and white are standard finishes. For custom finish,

contact factory.
Weight: 1.7 kg/300mm [3.8 lb/ft]
Mounting: Surface ceiling mount.
Electrical: Factory prewired with easy wire quick connect sections.
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.

Approvals: All components are UL/ CSA/QPS recognized or listed. RoHS compliant. This product is cULus listed.
Environment: Suitable for dry or damp locations.

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.

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