RAIL 1 RML
LED . RECESSED T-BAR . DIRECT

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

PERFORMANCE SUMMARY at 3500K

		Meta Cloud
		L3
Lumens per foot	80 CRI	527
	90 CRI	461
Wattage per foot		6.1
Efficacy (lm/W)	80 CRI	87
	90 CRI	76
L70 Estimate (h)		≥ 60,000 hrs

See page 2 for the complete Light Level Performance and 90 CRI Lumen Adjustment charts.

FEATURES

- Narrow 1.2 inch profile
- Available in 6 standard lengths as well as continuous rows and patterns
- Suitable for dry or damp locations

ORDERING LOGIC

Example Part Number: RML-1L35K-12-MC-W-L31-T-1-90

RML					MC							
1	2	3	4	5	6	7	8	9	10	11	12	13

1. SERIES
RML

2. COLOR TEMP
1L30K 3000K
1L35K 3500K
1L40K 4000K

90 CRI is available under OPTIONS

3. LENGTH
2 2 ft
4 4 ft
6 6 ft
8 8 ft
10 10 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
GAx**B** Rectangle
UAx**B**x**C** U-Shape
LAx**B** L-Shape
C Custom Pattern*
_ None (leave space empty)

Standard Patterns Minimum Lengths

Square	Rectangle	U-Shape	L-Shape
A=4 ft min.	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*
Lengths and a drawing of custom pattern are required on page 3

T-Shape   Cross / X

Select corner:
☐ Outside 90°
☐ Inside 90°

5. OPTICS UP
_ None (leave space empty)

6. OPTICS DOWN
MC Meta Cloud

Meta Cloud:
Opal diffuse lens

7. FINISH
SA Satin Aluminum
W White
B Black
C Custom Finish Specify RAL:

8. LIGHT LEVEL / DRIVER
L1
L2
L3
L4

Select Driver below. **All drivers are remote.** See p2 for max. wire length.

See Light Level Performance chart on p2.

LX Enter desired lm/ft:

9. CIRCUITRY
1 1 Circuit
B Emergency Battery Pack [2]

10. MOUNTING
T Recessed T-bar 15/16"
T9 Recessed T-bar 9/16"

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

12. CONTROLS / SENSORS
_ None (leave space empty)

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

*Consult factory. | [1] Pattern record drawings showing mounting locations and wire entries will be sent out upon order. | [2] Battery operates 4ft sections only.
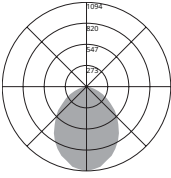
Select Driver:

☐ Factory option 0-10V, 1% Dimming
☐ **LHE** Lutron H-Series Hi-lume 1% EcoSystem LED Driver
☐ **L5E** Lutron 5-Series EcoSystem LED Driver

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 | www.metalumen.com

Page **1** of **3**

FILE NAME: RML_LED_T_SPEC_SHEET_20250325

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

Light Level	Meta Cloud (MC)		
	Lumens per foot	Wattage per foot	Efficacy (LPW)
L1	320	3.5	92
L2	395	4.4	89
L3	527	6.1	87
L4	971	12.1	80

Light Level **L3**	IES File	RML-1L35K-4-MC-L3
	Distribution % (Down / Up)	100 / 0
	Zonal Lumens (0–90 / 90–180)	2112 / 0
	Distribution Curve	

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

Lumen Adjustment Factor

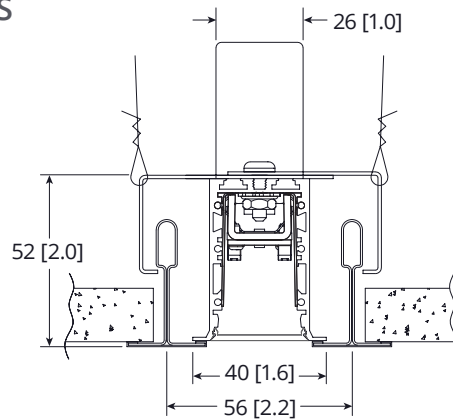| Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

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

Remote Driver Mounting Maximum Wire Length

Consult approval drawings for maximum remote mounting distances

Light Level	Driver Qty	Drive Current (mA)	Fixture Length	Distance in feet / Wire Gauge					
				22 Ga.	20 Ga.	18 Ga.	16 Ga.	14 Ga.	12 Ga.
L4	1	1200	4'	19	30	47	75	119	189
L4	2	1200	8'	19	30	47	75	119	189
L4	3	1200	12'	19	30	47	75	119	189
L3	1	600	4'	37	59	94	149	238	378
L3	1	1200	8'	19	30	47	75	119	189
L3	1	1800	12'	12	20	31	50	79	126
L2	1	440	4'	51	81	128	204	324	515
L2	1	880	8'	25	40	64	102	162	258
L2	1	1320	12'	17	27	43	68	108	172
L1	1	345	4'	65	103	163	260	413	657
L1	1	690	8'	32	51	82	130	207	329
L1	1	1035	12'	22	34	54	87	138	219

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 | www. metalumen.com

Page **2** of **3**

FILE NAME: RML_LED_T_SPEC_SHEET_20250325

CROSS SECTIONS

Meta Cloud

SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Anodized Extruded Aluminum 65% post-industrial recycled content, complete with die cast zinc alloy powder coated 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 (3500K) (80 minimum)

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 options. For custom finish, contact factory.

Weight: 1.0lb/ft or 0.5kg/300mm.

Mounting: Fits 9/16" and 15/16" T-bars.

Electrical: Each section is individually connected in the field to a remote driver box.

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. All drivers are remote mounted.

Approvals: Certified to NRTL and IES testing standards. All components are UL Recognized or Listed. RoHS compliant. Plenum - CCEA approved.

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.

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 | www. metalumen.com

Page **3** of **3**

FILE NAME: RML_LED_T_SPEC_SHEET_20250325