METALUMEN SPECIFICATION SHEET

RAIL 1 RML

LED . PENDANT . DIRECT

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

PERFORMANCE SUMMARY at 3500K

		Meta Cloud	Drop Lens
		L3	L3
Lumens per foot	80 CRI	527	559
	90 CRI	461	489
Wattage per foot		6.1	
Efficacy (lm/W)	80 CRI	87	93
	90 CRI	76	80
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
- 3/4 inch drop lens with seamless lines of light without pixels or shadows
- Suitable for dry or damp locations

ORDERING LOGIC

Example Part Number: RML-1L35K-12-MC-W-L31-PA18-1-90

RML												
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
- **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
- **GA**x**B** Rectangle
- **UA**x**B**x**C** U-Shape
- **LA**x**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 4

T-Shape   Cross / X

Select corner:
- ☐ Outside 90°
- ☐ Inside 90°

5. OPTICS UP
- **_** None (leave space empty)

6. OPTICS DOWN
- **MC** Meta Cloud
- **MD** Drop Lens**

Meta Cloud:
Opal diffuse lens

Drop Lens:
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
- **PAA** Pendant Aircraft Cable
- **PTA** Pendant Aircraft Cable for T-bar

Replace "A" with length (inches) selected below. Select Aircraft Cable Length and Canopy Finish below

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. | ** Drop lens is not available with patterns. | [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

Select Aircraft Cable Length:
Total adjustment range is 6" up & down for each standard length. All other lengths are considered custom unless otherwise stated.
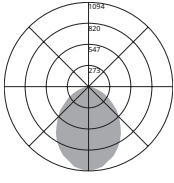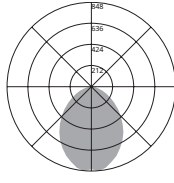
Select	Imperial (in)	Metric (mm)	Select	Imperial (in)	Metric (mm)
☐	12	305	☐	54	1372
☐	18	460	☐	60	1525
☐	24	610	☐	72	1830
☐	30	760	☐	96	2440
☐	36	915	☐	120	3050
☐	42	1067	☐	144	3660
☐	48	1220	☐	Custom Length:	

Select Canopy Finish:

Select:	Canopy
☐	White
☐	Black
☐	Custom Finish RAL: _____

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Page **1** of **4**

FILE NAME: RML_LED_PA_PT_SPEC_SHEET_20250325

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

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

		Meta Cloud (MC)			Drop Lens (MD)		
Light Level		Lumens per foot	Wattage per foot	Efficacy (LPW)	Lumens per foot	Wattage per foot	Efficacy (LPW)
L1		320	3.5	92	339	3.5	98
L2		395	4.4	89	419	4.4	95
L3		527	6.1	87	559	6.1	93
L4		971	12.1	80	1030	12.1	85
Light Level **L3**	IES File	RML-1L35K-4-MC-L3			RML-1L35K-4-MD-L3		
	Distribution % (Down / Up)	100 / 0			90 / 10		
	Zonal Lumens (0–90 / 90–180)	2112 / 0			2009 / 230		
	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.
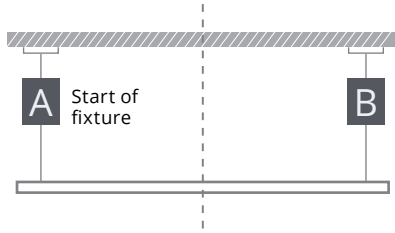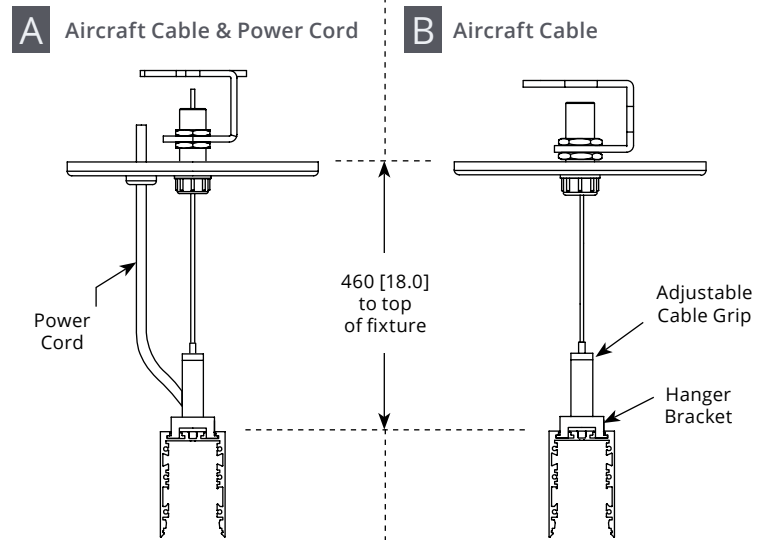
Remote Driver Mounting Maximum Wire Length

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

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Page **2** of **4**

FILE NAME: RML_LED_PA_PT_SPEC_SHEET_20250325

HANGER INFORMATION

A Start of fixture

B

PENDANT AIRCRAFT CABLE

A Aircraft Cable & Power Cord   **B** Aircraft Cable

Power Cord

460 [18.0] to top of fixture

Adjustable Cable Grip

Hanger Bracket

PENDANT AIRCRAFT CABLE FOR T-BAR

A Aircraft Cable & Power Cord   **B** Aircraft Cable

Power Cord

460 [18.0] to top of fixture

Adjustable Cable Grip

Hanger Bracket

CROSS SECTIONS

48 [1.9]

30 [1.2]

Meta Cloud

19 [0.75]
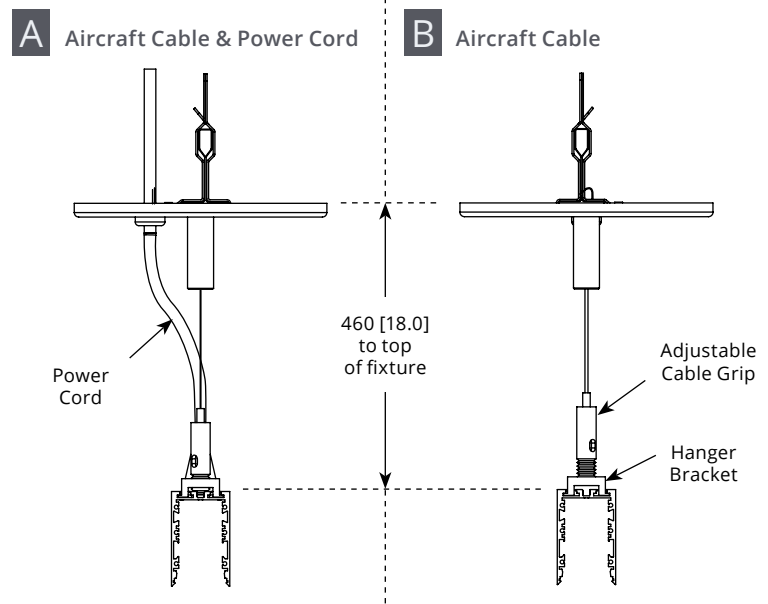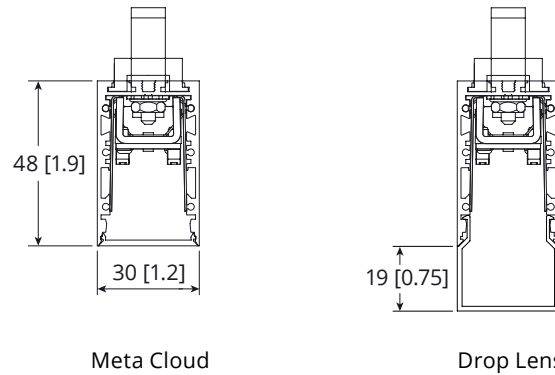
Drop Lens

SPECIFICATIONS

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

Housing: 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: Pendant Aircraft cable

complete with a Quick-Grip field adjustable suspension system provides for quick and easy onsite alignment.
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.
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.

Metalumen

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Page **4** of **4**

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