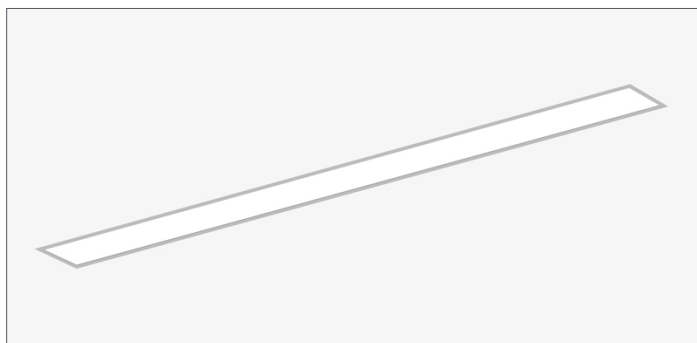
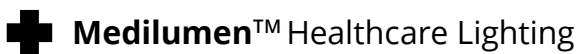


RAIL 4 RM4D-MRI

MRI . LED . DIRECT



- Optimized light control and lumen output with precision **Luma Optics™** available in batwing, asymmetric, and wall graze distributions
- Suitable for MRI applications with antimicrobial white finish
- Remote drivers reduce interference with MRI machines
- Plenum rated, CCEA approved for recessed applications (drywall & t-bar)

5 YEAR
WARRANTY


PART #:

PREP BY:

DATE:

PROJECT:

QTY:

NOTES:

APPROVAL
SIGNATURE:

DATE (DD/MM/YYYY):

PERFORMANCE SUMMARY

		Meta Blanc	Luma Span	Luma Asym.	Luma Graze	Drop Lens
Light Level 3 (L3)						
Lumens per foot	80 CRI	596	697	723	719	608
	90 CRI	522	609	632	629	532
Wattage per foot		6.1	5.8	5.8	5.7	6.1
Efficacy	80 CRI	99	121	125	125	100
	90 CRI	85	105	109	110	87
L70 Estimate (h)		≥ 60,000 hrs				

See page 2 for the complete Light Level Performance chart.

OTHER HEALTHCARE PRODUCTS

Scene SCEM Medical



Flexi BLD



ORDERING LOGIC

Example Part Number: RM4D-MRI-1L35K-12-MB-AM-L31-T-1-90

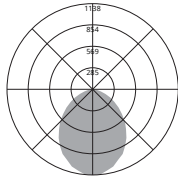
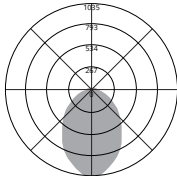
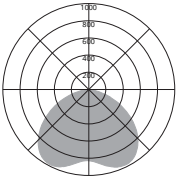
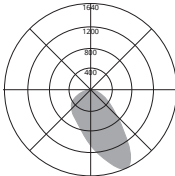
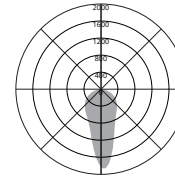
1	2	3	4	5	6	7	8	9	10	11	12	13
RM4D-MRI												
1. SERIES RM4D-MRI	2. COLOR TEMP 1L30K 3000K 1L35K 3500K 1L40K 4000K 90 CRI is available under OPTIONS	3. LENGTH 2 2 ft 3 3 ft 4 4 ft 5 5 ft 6 6 ft 7 7 ft 8 8 ft 9 9 ft 10 10 ft 11 11 ft 12 12 ft RA Continuous Rows Replace "A" with length in feet selected on p2 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 Patterns Minimum Lengths A = 4 ft min. B = 4 ft min. Custom Patterns* Lengths and a drawing of custom pattern are required on page 3 Select corner: <input type="checkbox"/> Outside 90° <input type="checkbox"/> Inside 90°	5. OPTICS MB Meta Blanc LS Luma Span LA Luma Asymmetric LG Luma Graze MD Drop Lens** MB, MD: Opal diffuse lens LS, LA, LG: Optical control lens	6. FINISH SA Satin Aluminum W White B Black AM Antimicrobial White C Custom Finish Specify RAL:	7. LIGHT LEVEL / DRIVER L1 Select Driver below. See p2 for max. wire length. L2 L3 See Light Level Performance chart on p2. L4 LX Enter desired lm/ft:	8. CIRCUITRY 1 1 Circuit EM Emergency / Night Light B Emergency Battery Pack ²	9. MOUNTING D Recessed Drywall Flanged DF Recessed Drywall Flangeless T Recessed T-Bar S Surface	10. VOLTAGE 1 120 V 2 277 V 3 347 V 4 UNV (120 - 277V)	11. SENSORS	12. CONTROLS Tap to view Sensors and Controls Reference Guide	13. OPTIONS 90 90 CRI, High R9 RF Medical Power Line Filter - None (leave space empty)

*Consult factory. | **Drop lens is not available with patterns. | ¹ Pattern record drawings showing mounting 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

LIGHT LEVEL PERFORMANCE & PHOTOMETRIC DATA

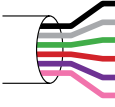


3500K, 80 CRI, 0-10V Dimming (Standard)

		Meta Blanc (MB)			Drop Lens (MD)			Luma Span (LS)			Luma Asymmetric (LA)			Luma Graze (LG)		
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		350	3.5	100	357	3.5	102	417	3.3	126	432	3.3	131	410	3.3	128
L2		439	4.4	99	447	4.4	101	521	4.3	121	539	4.3	125	531	4.3	125
L3		596	6.1	99	608	6.0	101	697	5.8	121	723	5.8	125	719	5.7	125
L4		1106	12.5	89	1127	12.5	90	1277	11.9	108	1325	11.9	112	1362	11.7	116
Light Level L3	IES File	RM4D-1L35K-4-MB-L3			RM4D-1L35K-4-MD-L3			RM4D-1L35K-4-LS-L3			RM4D-1L35K-4-LA-L3			RM4D-1L35K-4-LG-L3		
	Distribution % (Down / Up)	100 / 0			94 / 6			100 / 0			100 / 0			100 / 0		
	Zonal Lumens (0-90 / 90-180)	2386 / 0			2296 / 137			2787 / 0			2892 / 0			2892 / 0		
	Distribution Curve															
Photometric performance is measured and scaled in accordance with IESNA LM-79. Metalumen's light level performance metrics are subject to manufacturers component tolerances.																

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

WIRING

Standard	Emergency / Night Light	Emergency Battery Pack
 <p>BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAPPED/SW LEAD VIOLET - DIM(+) PINK - DIM(-)</p>	 <p>BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - CAP OFF</p>	 <p>BLACK - LINE WHITE - NEUTRAL GREEN - GROUND RED - UNSWITCHED HOT</p>

Remote Driver Mounting
Maximum Wire Length

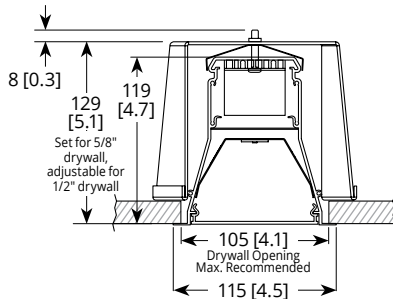
Consult approval drawings for maximum remote mounting distances

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.
L1	1	345	4'	65	103	163	260	413	657
	1	690	8'	32	51	82	130	207	329
	1	1035	12'	22	34	54	87	138	219
L2	1	440	4'	51	81	128	204	324	515
	1	880	8'	25	40	64	102	162	258
	1	1200	12'	17	27	43	68	108	172
L3	1	600	4'	37	59	94	149	238	378
	1	1200	8'	19	30	47	75	119	189
	1	1800	12'	12	20	31	50	79	126
L4	1	1200	4'	19	30	47	75	119	189
	2	1200	8'	19	30	47	75	119	189
	3	1200	12'	19	30	47	75	119	189

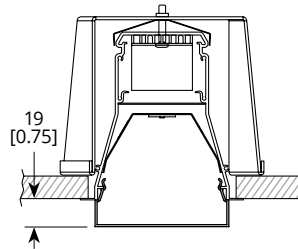
CROSS SECTIONS

Meta Blanc, Luma Optics

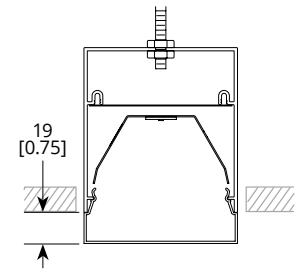
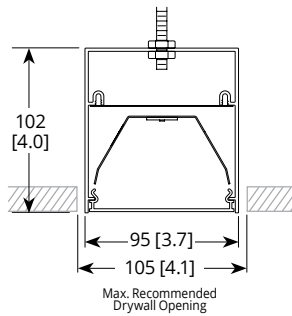
Drywall Flanged



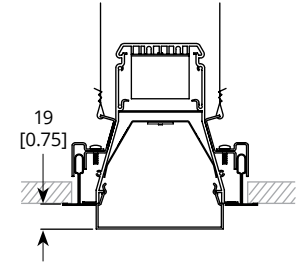
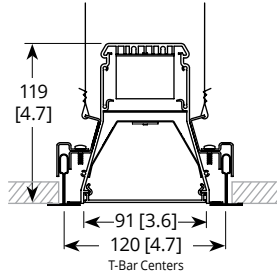
Drop Lens



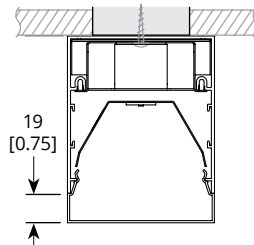
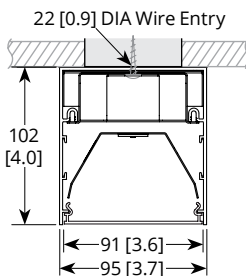
Drywall Flangeless



T-Bar



Surface



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. Stainless steel hardware. 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: ≥60,000hrs.

Finish: Satin aluminum, black, white and antimicrobial white are standard options. For custom finish, contact factory.

Weight: 1.3 kg/300 mm [2.9 lb/ft]

Mounting: Drywall: Mounting brackets provided. **T-bar:** Mounting brackets/clips provided. Fits 9/16" and 15/16" T-bar. **Surface:** 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.

MRI Application: Luminaires are constructed with non-ferrous materials. Luminaire's power supply will be remote mounted, reducing interference with the MRI machine.

Approvals: All components are UL/CSA/QPS recognized or listed. RoHS compliant. cULus listed. Plenum rated - CCEA approved for recessed applications (drywall and t-bar).

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.