

FLEXI BLD

BED LIGHT . LED . WALL



- Standard modes of operation: ambient, reading, reading & ambient, and exam
- Optional switches are available: pull chain, safety, remote
- Optional chart light is available
- Antimicrobial finish is a standard option

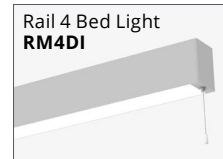


PART #:		DATE:	
PREP BY:		QTY:	
PROJECT:		NOTES:	
APPROVAL SIGNATURE:		DATE (DD/MM/YYYY):	

PERFORMANCE SUMMARY @ 3500K	CLOSED			OPEN
	Ambient	Reading	Read. & Amb.	Exam
Lumens	2735	2381	5115	5084
Wattage	23.9	23.9	47.8	47.8
Efficacy (LPW)	114	100	107	106
L70 Estimate (h)	≥ 60,000 hrs			

See page 2 for the complete Light Level Performance chart.

OTHER BED LIGHTS



ORDERING LOGIC

Example Part Number: BLD-2L35K-4-MM-AM-L31-W-1

BLD		4	MM			1	W			
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	7. CIRCUITRY	
BLD	2L30K 3000K 2L35K 3500K 2L40K 4000K 90 CRI is available under OPTIONS	4 4 ft	MM Up: Meta Ice Down: Meta Ice Meta Ice: High output semi-diffuse lens	WM White Matte AM Antimicrobial White Paint C Custom Finish Specify RAL:	L1 L2 L3 L4 Select Driver below. See Light Level Performance chart on p2.	1 1 Circuit	
8. MOUNTING	9. VOLTAGE	10. CONTROLS / SENSORS		11. OPTIONS			
W Wall Mount	1 120 V 2 277 V 3 347 V 4 UNV (120 - 277V)	_ None (leave space empty) PSLV 4-Position ¹ Pillow Switch with Low Voltage Controller ²		_ None (leave space empty) Up/down light controlled by one circuit connected to the building's power supply 90 90 CRI (High R9) LR LED Chart Light - Right - Chart light and switch installed on the right side of the luminaire LL LED Chart Light - Left - Chart light and switch installed on the left side of the luminaire LRL LED Chart Light - Both Sides - Chart light and switch installed on both sides of the luminaire F Fuse - One fuse added per circuit PCR 4-Position ¹ Pull Chain Switch Right - Added to the right side of the luminaire PCL 4-Position ¹ Pull Chain Switch Left - Added to the left side of the luminaire RXS Remote Exam Switch - The exam light is connected to an external switch SS Safety Switch - A switch designed to open a circuit when the luminaire comes in contact with an object			

1. 4-Position switch positions: 1-up light, 2-down light, 3-up/down light, 4-off
2. Integrated solid state electronic controller for sequential control of two circuit loads. Wired into fixture and activated by low voltage controller (pillow switch) for patient activation and control. No interference with hospital equipment. In the event of a power interruption, the unit will reset to the off position.

Select Driver:

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


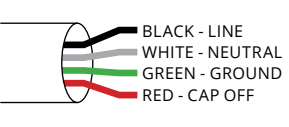
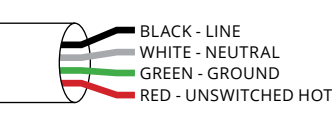
Light Level Performance

3500K, 80 CRI, 0-10V Dimming (Standard)												
Light Level	CLOSED									OPEN		
	Ambient			Reading			Reading & Ambient			Exam		
	Lumens	Wattage	Efficacy (LPW)	Lumens	Wattage	Efficacy (LPW)	Lumens	Wattage	Efficacy (LPW)	Lumens	Wattage	Efficacy (LPW)
L1	1496	14.8	101	1302	14.8	88	2798	29.4	94	2780	29.7	94
L2	1904	18.2	105	1657	18.2	90	3563	36.2	98	3540	36.3	98
L3	2735	23.9	114	2381	23.9	100	5115	47.8	107	5084	47.8	106
L4	5233	45.0	116	4556	45.0	101	9790	90.1	109	9725	90.1	108

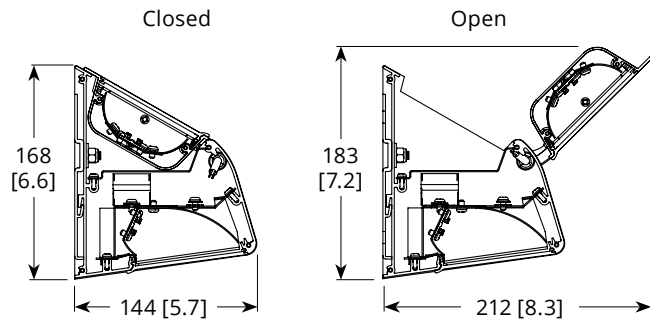
Lumen Adjustment Factor		
Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

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

WIRING

Standard	Emergency / Night Light	Emergency Battery Pack
		

CROSS SECTIONS



BODY LENGTH



SPECIFICATIONS

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

Housing: Rigid extruded aluminum body and backplate, 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: ≥60,000hrs.

Finish: White polyester powder coated paint finish and antimicrobial white finish are available. Consult factory for

custom finish.

Weight: 4.16 kg/300 mm [9.5 lb/ft]

Mounting: Wall mounting plate provided.

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.

Approvals: All components are UL/ CSA/QPS recognized or listed. RoHS compliant. cULus listed.

Environment: Suitable for dry locations.

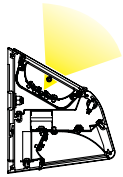
**Standard drivers compatible with passive/ sinking dimmers. Please contact Metalumen if active/sourcing dimmer support is required.*

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.

PHOTOMETRIC DATA - 3500K, 80 CRI

Mode: **Ambient (Closed)**
 IES File: **BLD-2L35K-4-MM-L3-AMB-CLOSED**
 Lumens: **2735** Wattage: **23.9**
 Efficacy: **114 LPW**



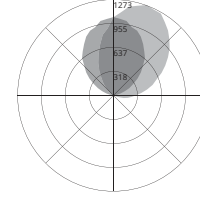
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	99	3.6
90-180	2635	96.4
0-180	2735	100

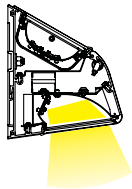
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	0	0	0
55	0	0	0
65	4	0	0
75	45	15	0
85	76	54	0

PHOTOMETRIC CURVE
100% Up



Mode: **Reading (Closed)**
 IES File: **BLD-2L35K-4-MM-L3-READ-CLOSED**
 Lumens: **2381** Wattage: **23.9**
 Efficacy: **100 LPW**



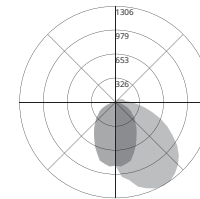
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	2209	92.8
90-180	172	7.2
0-180	2381	100

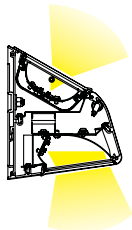
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	484	524	984
55	368	394	790
65	259	276	617
75	168	177	379
85	96	97	158

PHOTOMETRIC CURVE
100% Down



Mode: **Reading & Ambient (Closed)**
 IES File: **BLD-2L35K-4-MM-L3-READ-L3-AMB-CLOSED**
 Lumens: **5115** Wattage: **47.8**
 Efficacy: **107 LPW**



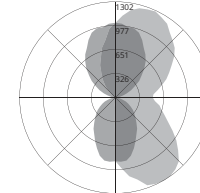
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	2308	45.1
90-180	2807	54.9
0-180	5115	100

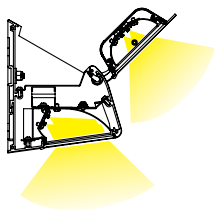
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	491	524	993
55	362	395	808
65	264	275	599
75	208	190	376
85	170	149	166

PHOTOMETRIC CURVE
55% Up
45% Down



Mode: **Exam (Open)**
 IES File: **BLD-2L35K-4-MM-L3-EXAM-OPEN**
 Lumens: **5084** Wattage: **47.8**
 Efficacy: **106 LPW**



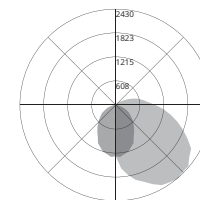
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-90	4501	88.5
90-180	583	11.5
0-180	5084	100

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	908	896	1060
55	779	744	846
65	643	592	635
75	502	444	404
85	378	309	193

PHOTOMETRIC CURVE
100% Down



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