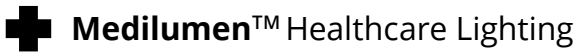


FLEXI BLD

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

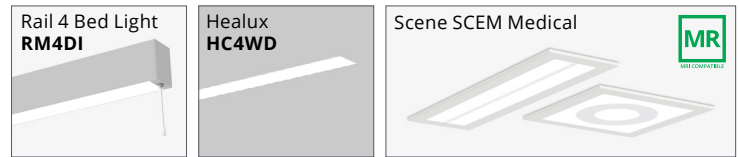


| | | | |
|---------------------|--|--------------------|--|
| PART #: | | DATE: | |
| PREP BY: | | QTY: | |
| PROJECT: | | NOTES: | |
| APPROVAL SIGNATURE: | | DATE (DD/MM/YYYY): | |

| 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 MEDILUMEN PRODUCTS



ORDERING LOGIC

Example Part Number: BLD-2L35K-4-MM-AM-L31-W-3

| 1. SERIES | 2. COLOR TEMP | 3. LENGTH | 4. OPTICS | 5. FINISH | 6. LIGHT LEVEL / DRIVER | 7. CIRCUITRY |
|---------------------|--|---|--|---|--|---|
| BLD | 2L30K 3000K 2L35K 3500K 2L40K 4000K | 3 3 ft 4 4 ft | MM Up: Meta Ice (Can flip open) Down: Meta Ice (Fixed) MMF Up: Meta Ice (Fixed) Down: Meta Ice (Fixed) Meta Ice: High output semi-diffuse lens | WM Medical White Powder Coat Finish AM Medical Antimicrobial White Powder Coat Finish C Medical Custom Finish Specify RAL: | L1 L2 Select Driver below. L3 L4 See Light Level Performance chart on p2. | 1 1 Circuit (Up and down light controlled together) 2 2 Circuits (Up and down light controlled separately) |
| 8. MOUNTING | 9. VOLTAGE | 10. CONTROLS / SENSORS | 11. OPTIONS | | | |
| W Wall Mount | 3 347 V 4 UNV (120 - 277V) | _ None (leave space empty) LVC 4-Position ¹ Low Voltage Controller ² | _ None (leave space empty) Controlled by circuit(s) connected to the building's power supply 90 90 CRI (High R9) F Fuse - One fuse added per circuit L LED Chart Light (Select location below) PC2 2-Position Pull Chain Switch (Select location below) PC4 4-Position Pull Chain Switch (Select location below) RF Medical Power Line Filter MS Indirect Micro-switch (Not compatible with fixed indirect ambient) SS Safety Switch - A switch designed to open a circuit when the luminaire comes in contact with an object | | | |

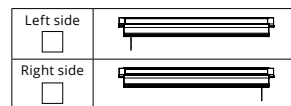
1. 4-Position switch positions: 1-down light, 2-up light, 3-up/down light, 4-off.
 2. Integrated solid state electronic controller for sequential control of two circuit loads. Wired into fixture and activated by low voltage controller (pillow switch) for patient activation and control. No interference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

Select Driver: **FD** Factory option 0-10V, 1% Dimming **D2** Dali

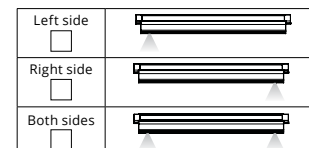
2- and 4-Position Lighting Control Guide

| 2 Positions | | | 4 Positions | | |
|-------------|--------|----------|-------------|--------|----------|
| Positions | Direct | Indirect | Positions | Direct | Indirect |
| 1 | On | On | 1 | On | Off |
| 2 | Off | Off | 2 | Off | On |
| | | | 3 | On | On |
| | | | 4 | Off | Off |

Select Pull Switch Location:



Select LED Chart Light Location:




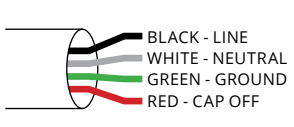
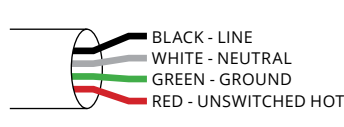
Light Level Performance

| 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 |

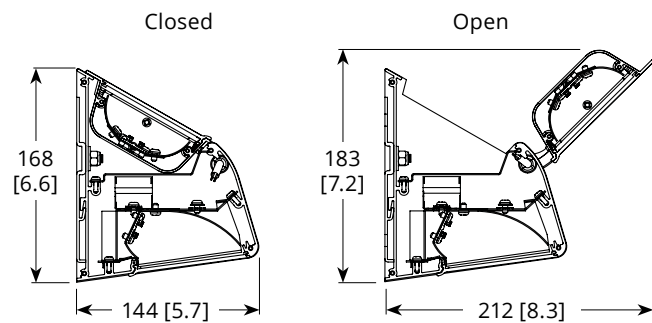
| Lumen Adjustment Factor | | |
|-------------------------|--------|--------|
| Color Temp | 80 CRI | 90 CRI |
| 3000K | 0.984 | 0.880 |
| 3500K | 1.000 | 0.875 |
| 4000K | 1.032 | 0.879 |

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

WIRING

| Standard | Emergency / Night Light | Emergency Battery Pack |
|---|---|--|
|  |  |  |

CROSS SECTIONS



BODY LENGTH



Examples show the pull switch on the left side.

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.

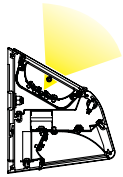
*Standard drivers compatible with passive/sinking dimmers. Please contact Metalumen if active/sourcing dimmer support is required.

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: **2335** Wattage: **23.9**
 Efficacy: **114 LPW**



ZONAL LUMEN SUMMARY

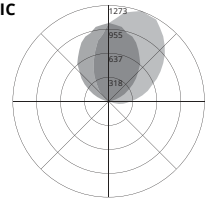
| Zone | Lumens | %Fixt |
|--------|--------|-------|
| 0-90 | 99 | 3.6 |
| 90-180 | 2635 | 96.4 |
| 0-180 | 2735 | 100 |

LUMINANCE DATA (CD/M²)

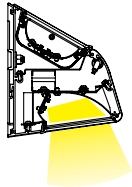
| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|----|----|
| | 0 | 45 | 90 |
| 45 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 |
| 65 | 4 | 0 | 0 |
| 75 | 45 | 15 | 0 |
| 85 | 76 | 54 | 0 |

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

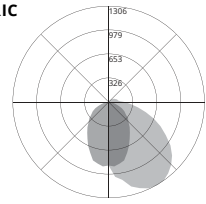
| Zone | Lumens | %Fixt |
|--------|--------|-------|
| 0-90 | 2209 | 92.8 |
| 90-180 | 172 | 7.2 |
| 0-180 | 2381 | 100 |

LUMINANCE DATA (CD/M²)

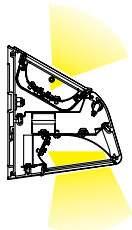
| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|-----|-----|
| | 0 | 45 | 90 |
| 45 | 484 | 524 | 984 |
| 55 | 368 | 394 | 790 |
| 65 | 259 | 276 | 617 |
| 75 | 168 | 177 | 379 |
| 85 | 96 | 97 | 158 |

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

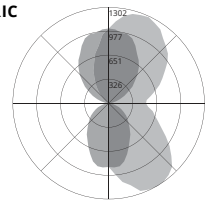
| Zone | Lumens | %Fixt |
|--------|--------|-------|
| 0-90 | 2308 | 45.1 |
| 90-180 | 2807 | 54.9 |
| 0-180 | 5115 | 100 |

LUMINANCE DATA (CD/M²)

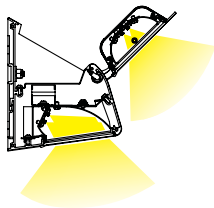
| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|-----|-----|
| | 0 | 45 | 90 |
| 45 | 491 | 524 | 993 |
| 55 | 362 | 395 | 808 |
| 65 | 264 | 275 | 599 |
| 75 | 208 | 190 | 376 |
| 85 | 170 | 149 | 166 |

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

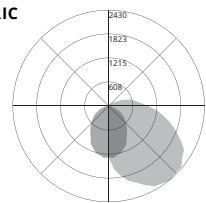
| Zone | Lumens | %Fixt |
|--------|--------|-------|
| 0-90 | 4501 | 88.5 |
| 90-180 | 583 | 11.5 |
| 0-180 | 5084 | 100 |

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.