

|              |  |            |  |       |  |
|--------------|--|------------|--|-------|--|
| Project:     |  | Catalog #: |  | Type: |  |
| Prepared by: |  | Notes:     |  | Date: |  |

## E2BL

LED Patient Bed Light  
Bi-directional lighting • 10-yr Warranty



## OVERVIEW

Energetic Lighting's LED Bed Light emulates the traditional bi-directional fluorescent fixtures used throughout hospitals and the general medical/nursing industry. Two diffuser panels direct light down, up, or in both directions; 40W downlight, 18W uplight, or 58W altogether. A convenient indicator nightlight is provided for easily locating pull chain switches at night. Two pull chain switches provided for controlling nightlight and switching between lighting modes. Each pull chain is provided with a string extension to customize the chain length and providing easier access for bed occupants with limited mobility.

The overall fixture can be further dimmed down to 10% using standard 0-10v DC dimming systems. With a 50,000 lifetime rating backed with a 5 year warranty this fixture will continue to run for many years of dependable service.

## KEY FEATURES

- Selectable Bi-directional up/down lights
- Nightlight indicator light adjacent to pull switch
- Provided with 2 pull chain switches, one for nightlight and second switch to toggle the lighting modes: uplight only, downlight only, up and down together, or full off.
- Each switch provided with pull chains and string extensions (maximum length = 43 inches from switch)
- 2-piece housing design for ease of installation, allowing LED lens enclosure to be fully disconnected from backplate.
- Multiple knockouts provided along length of backplate to accommodate various wiring configurations
- Dimmable down to 10% with standard 0-10v DC dimming systems
- Minimum 84% lumen maintenance @ 50,000 hours – L84/50,000 (per IES TM21)
- Minimum projected L70 @ 100,000 hours = maintenance free illumination (per IES TM21)



## Highlights



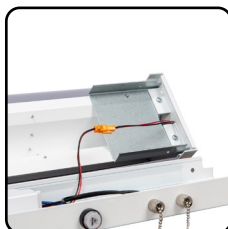
Independently control upper and lower light panels



Indicator nightlight to easily locate pull chain location in the dark



Back panel provides knockout options at center and towards both ends



Easily disconnect lens assembly from backplate during mounting and installation

## Load Information

|                |              |
|----------------|--------------|
| Input Voltage  | 120Vac       |
| Power Factor   | 0.99         |
| THD            | 9%           |
| Low Temp Start | -20°C (-4°F) |
| Max Temp       | 40°C (104°F) |
| Unit Weight    | 8 lbs        |

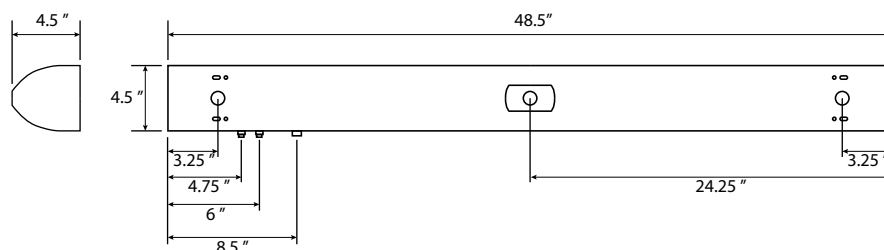
## Shipping Information

| Item            | Weight | Box Qty.   | Dimensions (in.) |
|-----------------|--------|------------|------------------|
| E2BL2040 series | 9 lbs  | 1 per pack | 50" x 6" x 6"    |
|                 | 20 lbs | 2 per case | 50" x 13" x 6"   |

## Lumen Maintenance

| Ambient Temp | TM-21 Lumen Maint. (50,000 hours) | Theoretical L70 (hours) |
|--------------|-----------------------------------|-------------------------|
| 25°C         | >84%                              | 100,000                 |

## Dimensions



## STOCK ORDERING INFORMATION

| Catalog Logic | Order # | Lumens                       | Wattage                | LPW | Color Temperature | CRI | Voltage | Dimming | Certifications | Pallet Qty |
|---------------|---------|------------------------------|------------------------|-----|-------------------|-----|---------|---------|----------------|------------|
| E2BL2040D-840 | 30150   | 6900 (4610 down +2290 up) LM | 58 W (40 down + 18 up) | 119 | 4000              | 83  | 120     | 0-10v   | UL, DLC5.1-S   | 72         |

## PHOTOMETRIC DATA

Cat Logic: E2BL2040D-830 \*  
 Test Report: E2BL2040D-830.ies  
 CCT: 3000K  
 Lamp Type: LED  
 Lumens: 6787 LM  
 Input Watts: 57.88 W  
 Efficacy: 117 LM/W

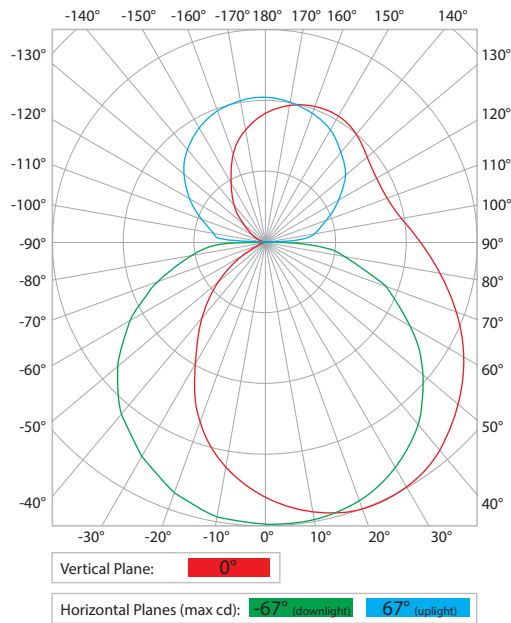
\* NOTE: Data produced from 3000K CCT test fixture.  
 - 4000K values can be estimated by increasing by a factor of 1.005 from 3000K where in most cases would be negligible for practical purposes

## Isofootcandle Sampling

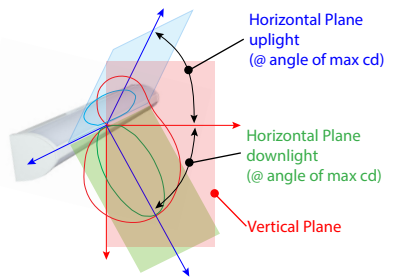
(with both upper and lower lights on, open space)

| Mounting Height |                |                                    | Narrow            | Wide              |
|-----------------|----------------|------------------------------------|-------------------|-------------------|
| 5 ft            | 38.4 fc<br>MAX | Iso-fc: 25 fc<br>Diameter: 5.5 ft  | 10 fc<br>5.5 ft   | 10 fc<br>9.1 ft   |
| 8 ft            | 16 fc<br>MAX   | Iso-fc: 13 fc<br>Diameter: 5.2 ft  | 5 fc<br>5.2 ft    | 5 fc<br>15 ft     |
| 10 ft           | 10.4 fc<br>MAX | Iso-fc: 7.5 fc<br>Diameter: 7.5 ft | 5 fc<br>7.5 ft    | 5 fc<br>12.6 ft   |
| 12 ft           | 6.5 fc<br>MAX  | Iso-fc: 6 fc<br>Diameter: 6.9 ft   | 2.5 fc<br>6.9 ft  | 2.5 fc<br>20.2 ft |
| 16 ft           | 3.9 fc<br>MAX  | Iso-fc: 3 fc<br>Diameter: 13.9 ft  | 2 fc<br>13.9 ft   | 2 fc<br>21.5 ft   |
| 20 ft           | 2.6 fc<br>MAX  | Iso-fc: 2 fc<br>Diameter: 15.8 ft  | 1.5 fc<br>15.8 ft | 1.5 fc<br>23.4 ft |

## Polar Candela Plot



## Reference Key for Polar Candela Plot:





**ENERGETIC**  
L I G H T I N G

**E2BL**

LED Patient Bed Light  
50,000 System Lifetime • 10-yr Warranty

**NOTES:**

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