ENERGETIC LIGHTING

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 nighlight 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 10 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 desgin 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
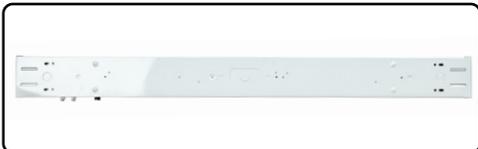
Back panel provides knockout options at center and towards both ends
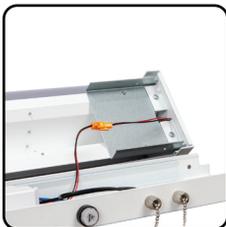
Easily disconnect lens assembly from backplate during mounting and installation

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.
E2BL2040 series	9 lbs	1 per pack
	20 lbs	2 per case

Lumen Maintenance

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

Dimensions

4.5"
48.5"
4.5"
3.25"
4.75"
6"
8.5"
24.25"
3.25"
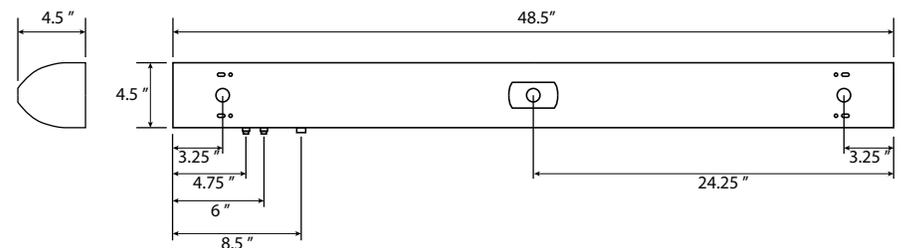
STOCK ORDERING INFORMATION

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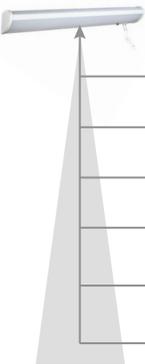
Mounting Height			Narrow	Wide
5 ft	38.4 fc MAX	Iso-fc: Diameter:	25 fc 5.5 ft	10 fc 9.1 ft
8 ft	16 fc MAX	Iso-fc: Diameter:	13 fc 5.2 ft	5 fc 15 ft
10 ft	10.4 fc MAX	Iso-fc: Diameter:	7.5 fc 7.5 ft	5 fc 12.6 ft
12 ft	6.5 fc MAX	Iso-fc: Diameter:	6 fc 6.9 ft	2.5 fc 20.2 ft
16 ft	3.9 fc MAX	Iso-fc: Diameter: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

Polar Candela Plot

Vertical Plane: 0°

Horizontal Planes (max cd): -67° (downlight) 67° (uplight)
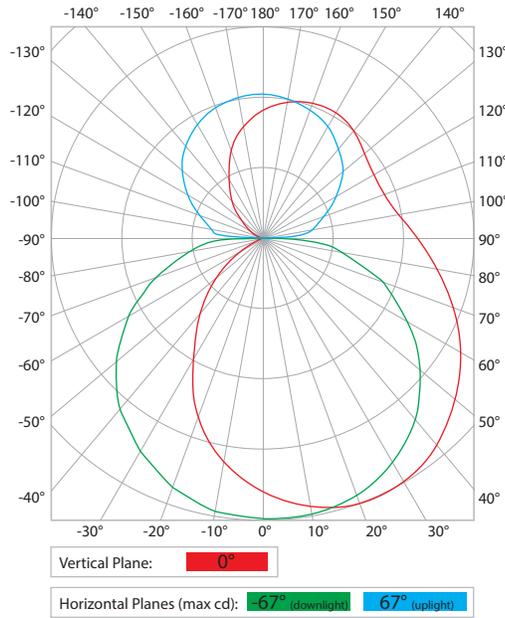
Reference Key for Polar Candela Plot:

Horizontal Plane uplight (@ angle of max cd)

Horizontal Plane downlight (@ angle of max cd)

Vertical Plane