

MBHDL-4

BEHAVIORAL
HEALTH PATIENT
ROOM LINEAR
LUMINAIRE

CLEANROOM
LED LUMINAIRES

MEDICO
MEDICAL GRADE

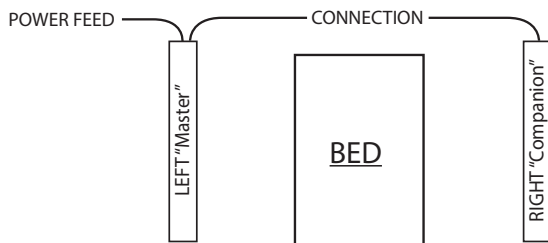


Ligature-Resistant



The **MBHDL-4** is a recessed, high abuse luminaire, designed for cleanroom, medical and healthcare applications. Sealed and gasketed, the MBHDL-4 provides an IP65 rating. This luminaire is available in several configurations, and several lens and finish options are also available. This unit also offers ambient, exam and reading lighting functions.

This luminaire is designed for use a left and right side bed light pair. This set uses one fixture as the "Master" which houses all fixture control and drivers, which will also receive the power feed. The remaining fixture is the "companion", which will only consist of the LED boards to make the connection between the two luminaries an easy process. A stand-alone luminaire is also available.



CONSTRUCTION: Constructed from marine grade quality .063" aluminum with an aluminum mud-flange and frame. Torx head with center-pin fasteners included are standard for an extra level of security.

LIGATURE RESISTANCE: Provides ligature resistance when installed in sheetrock/ drywall and WHEN utilizing a tamper-proof security sealant/pickproof security caulk (*supplied by others*).

MOUNTING: Suitable for sheetrock/ drywall installation, but also available for T-grid applications.

LEDs: High Output LEDs are available in 2700K, 3000K, 3500K, 4000K, and 5000K color temperatures. Integral LEDs are rated for at least 100K life hours (L70), with 90 CRI as an option.

OPTICS: A variety of lenses are available, see ordering info on next page.

DRIVERS: 0-10V dimming driver is included standard.

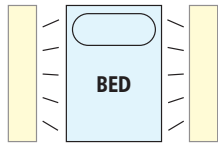
FINISH: A highly durable matte white finish is standard, with anti-microbial finish available as an option. Custom finish options are available in various RAL colors.

OPTIONS: Various options are available. If additional or custom options are needed, consult factory.

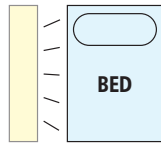
LISTINGS: BAA and BABA Compliant. Designed and manufactured in the USA. ETL and cETL listed.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

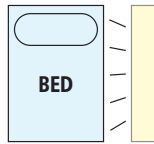
Ordering Information on Next Page ►



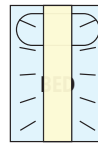
P One Left Hand and one Right Hand Orientation



SL Stand-alone Left side of bed



SR Stand-alone Right side of bed



SC Stand-alone Center

ORDERING INFORMATION Example: MBHDL4-4-P-40-7L-40-7L-F-P156-MW-M-CR

SERIES	LENGTH(1)	ORIENTATION	AMBIENT CCT	AMBIENT ILLUMINATION	EXAM CCT	EXAM ILLUMINATION
MBHDL-4	4 4 Foot	P Pair, One Left Hand Orientation, and one Right Hand Orientation	27 2700K	5L 500 lm/ft	27 2700K	5L 500 lm/ft
	6 6 Foot		30 3000K	7L 700 lm/ft	30 3000K	7L 700 lm/ft
	8 8 Foot		35 3500K	10L 1000 lm/ft	35 3500K	10L 1000 lm/ft
		SL Stand-alone <u>Left</u> side of bed	40 4000K	14L 1400 lm/ft	40 4000K	14L 1400 lm/ft
		SR Stand-alone <u>Right</u> side of bed	50 5000K	XXL Custom	50 5000K	XXL Custom
		SC Stand-alone <u>Center</u>				
READING CCT	READING ILLUMINATION	MOUNTING	LENS		FINISH	
27 2700K	5L 500 lm/ft	L Lay-in Grid	P125	.125 Clear Polycarbonate	AM	Anti-Microbial Finish (standard)
30 3000K	7L 700 lm/ft	F Flanged	P156	.156 Clear Polycarbonate	MW	Matte Finish
35 3500K	10L 1000 lm/ft	FT Flangeless	187P	.187 Clear Polycarbonate	CW	Coastal White
40 4000K	14L 1400 lm/ft		PA125	.125 Prismatic Acrylic (inverted)	SP	Special Finish
50 5000K	XXL Custom		PA156	.156 Prismatic Acrylic (inverted)		
			PA187	.187 Prismatic Acrylic (inverted)		
			SY	Symmetric .100 Diffused Frosted DR Acrylic		
VOLTAGE	DRIVER		OPTIONS			
M Multi-Volt (120-277VAC)	Blank	0-10V 10% dimming driver	14EBL	1400 Lumen Emergency Ballast (2)		
	CD1	0-10V 1% dimming driver	LVC	Low Voltage Controller (5)		
	CD5	0-10V 5% dimming driver	WL	Wet Location		
	EDN	Non-dimming electronic driver	CR	Continuous Run (3)		
	DALI	DALI 1% dimming driver	90	90 CRI		
	LDE1	Lutron Hi-Lume 1% EcoSystem LED Driver				
	2TW1	2 Channel 0-10v Tunable White 1% Dimming Driver				
	2TWC5	2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi (4)				

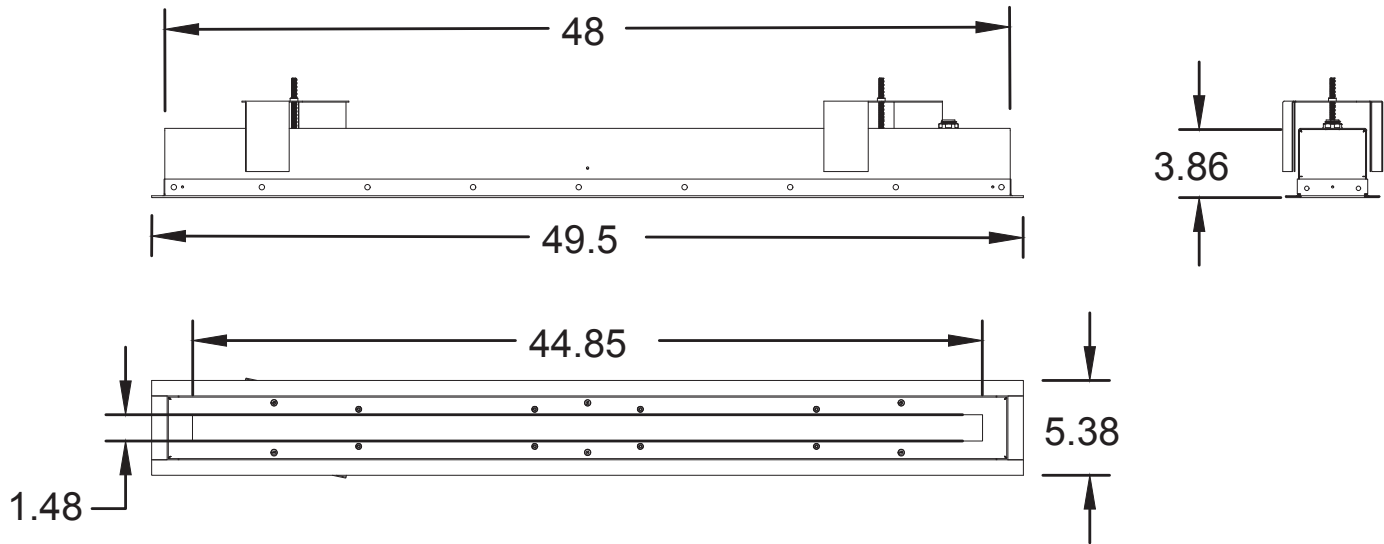
Notes: (1) Maximum length for single fixture is 8'. (2) Depending on length of fixture Emergency Ballast may be to be remotely mounted. (3) Continuous Run will consist of independent fixtures run together using chase nipples. (4) Prewired with Tunable White LED boards and Casambi ready fixture control. (5) Chosing "LVC" in options will default to 0-10V dimming drivers.

OUTPUT	5L	7L	10L	14L
Lumens/Ft*	500	700	1000	1400
System Wattage/Ft	3.125W	4.375W	6.25W	8.75W
Efficacy (lm/W)	160	160	160	160
CRI	>82	>82	>82	>82
Dimming	0-10V	0-10V	0-10V	0-10V
Color Consistency	>3 SDCM	>3 SDCM	>3 SDCM	>3 SDCM
Rated Life (L70)	>100,000 hrs	>100,000 hrs	>100,000 hrs	>100,000 hrs

*Lumen output was calculated with 4000K LEDs.

Dimensions and Wiring Overview on Next Page ►

DIMENSIONS



CUT-IN DIMENSION ARE +1/4" PER SIDE OF THE MAIN FIXTURE BODY. NOT THE DIMENSIONS OF THE FLANGE!

CUT-IN DIMENSIONS

	WIDTH	LENGTH
4" FIXTURE	7.1"	46.7"
8' FIXTURE	7.1"	94.7"

WIRING OVERVIEW

