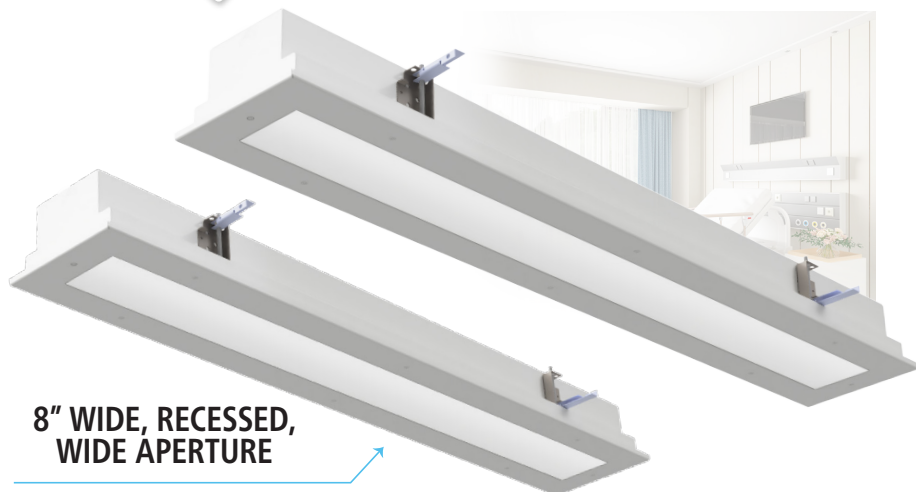


MBHDL-8

MEDICAL FACILITIES
LINEAR
LUMINAIRE



8" WIDE, RECESSED,
WIDE APERTURE

OVERLAP DOOR

WET LOCATION OPTION

LEFT AND RIGHT CONFIG., OR
STAND-ALONE LEFT, RIGHT OR CENTER



Ligature-Resistant



The **MBHDL-8** is a flanged luminaire designed for cleanroom, medical, and behavioral healthcare applications. Sealed and gasketed, our MBHDL8 also has a wet location option for added protection. This unit also offers ambient, exam and reading lighting functions. The MBHDL8 comes standard as a 48" long, 8" wide fixture, a wide aperture lens opening, and an overlap door for efficient and high-distribution lighting. Can also be ligature-resistant in hard ceilings with overlap door and the use of pick-proof caulk (*supplied by others*).

This luminaire was designed for use as as left and right side bed light pair, or as stand-alone fixtures (see ORIENTATION options on next page). With the PAIR option ALL fixture control and drivers will be contained in the left side fixture, and the remaining fixture will only consist of LED boards (powered by a feed from the left side fixture).

CONSTRUCTION: Constructed from 18ga. heavy-duty cold rolled steel, with clean corners and precision welded for extra strength. Torx head with center-pin fasteners included standard. Only available as an OVERLAP door design.

MOUNTING: This is designed for drywall ceilings, but can also be used in lay-in grid ceilings (will not be ligature-resistant). Outdoor use with wet location option.

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).

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

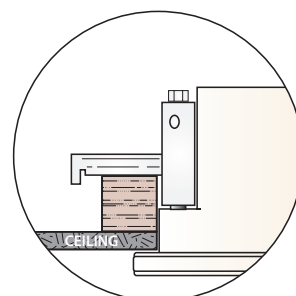
DRIVERS: 0-10V dimming driver is included standard.

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.

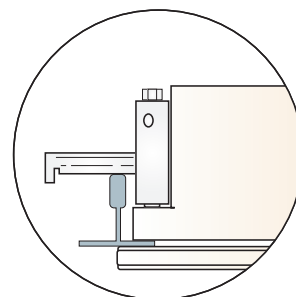
OPTIONS: Various options are available. If additional or custom options are needed, consult factory.

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.

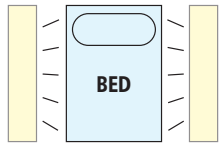


OVERLAP DOOR
RECESSED CEILING

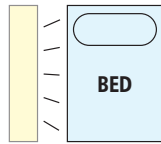


OVERLAP DOOR
GRID CEILING

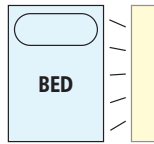
Ordering Information on Next Page ►



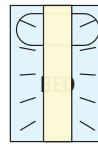
P One Left Hand and one Right Hand Orientation



SL Stand-alone Left side of bed



SR Stand-alone Right side of bed



SC Stand-alone Center

ORDERING INFORMATION Example: MBHDL8-4-P-40-7L-40-7L-F-P156-MW-M-CR

SERIES	LENGTH ⁽¹⁾	ORIENTATION	AMBIENT CCT	AMBIENT ILLUMINATION	EXAM CCT	EXAM ILLUMINATION
MBHDL-8	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				
	LDE1	Lutron Hi-Lume 1% EcoSystem LED Driver				
	2TW1	2 Channel 0-10v Tunable White 1% Dimming Driver				
	2TWS	2 Channel 0-10v Tunable White Dimming Driver Compatible with Casambi (4)				

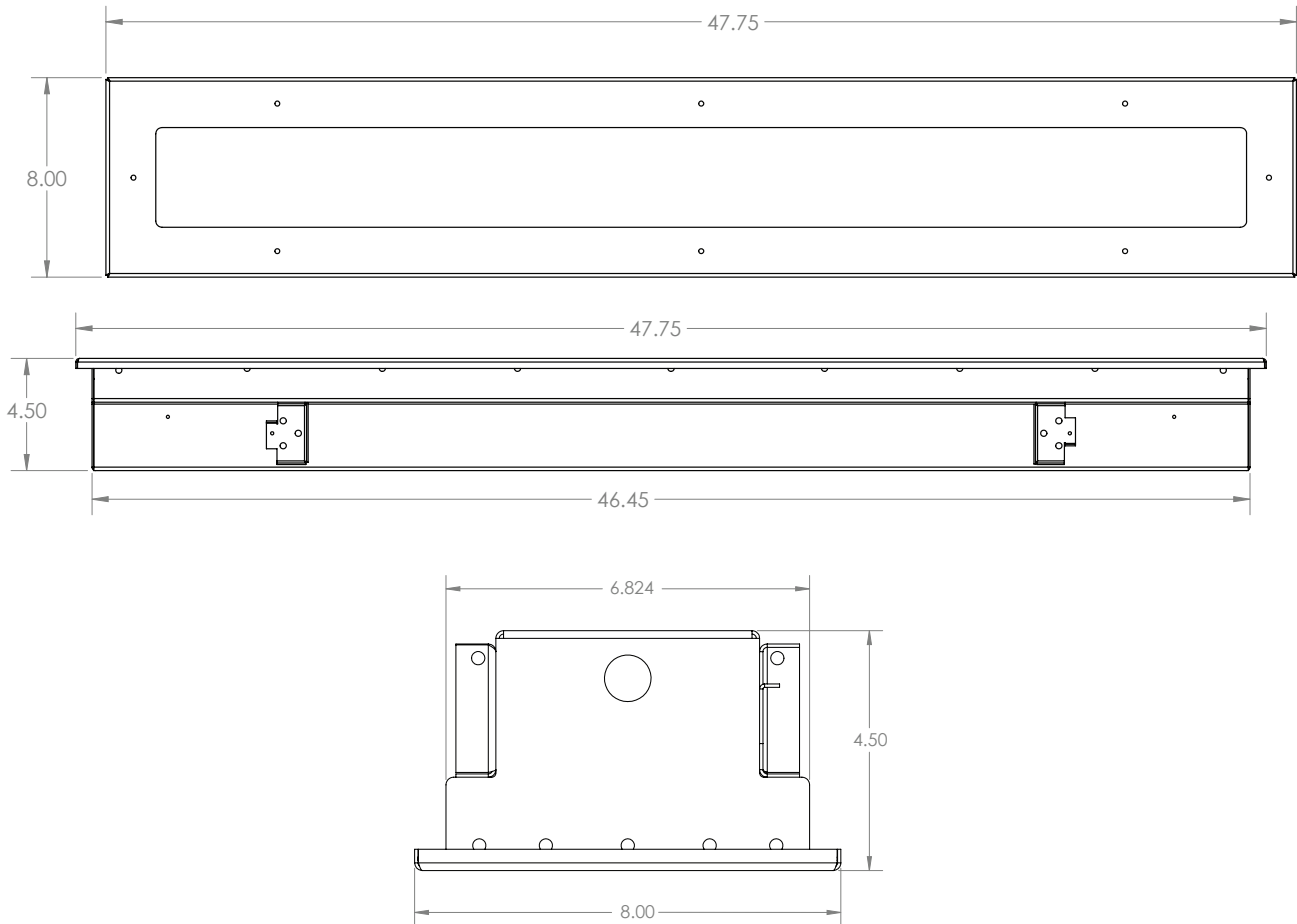
Notes: (1) Maximum length for single fixture is 8'. (2) Depending on length of fixture Emergency Ballast may be to be remotely mounted. (3) Continuous Run will consist of independent fixtures run together using chase nipples. (4) Prewired with Tunable White LED boards and Casambi ready fixture control.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

