

PROJECT:

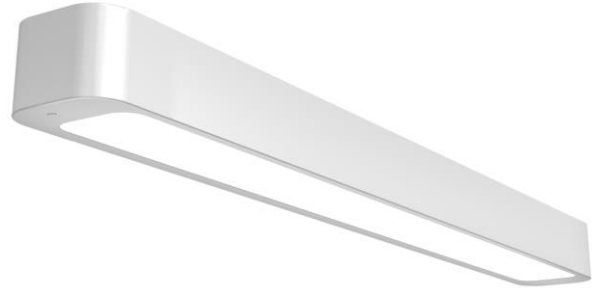
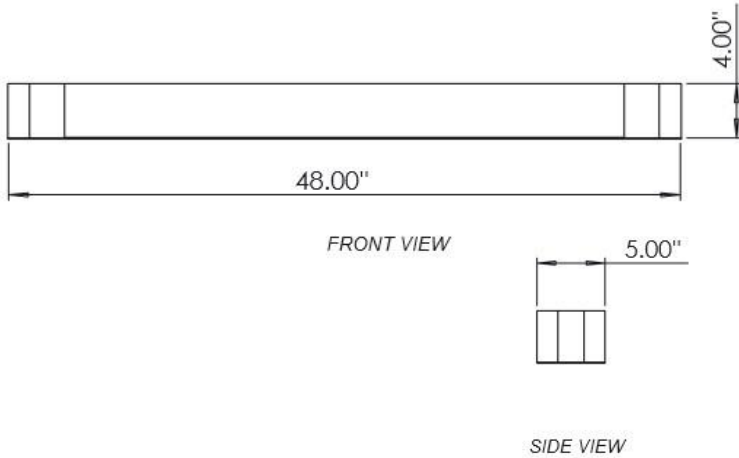
NOTES:

ORDERING INFORMATION:

EXAMPLE

MBL1 - 48 - S - 00 - 10 - 35 - MV - 2C - LV - AP  
 SERIES    NOM. LENGTH    COLOR    LUMENS UP    LUMENS DOWN    KELVINS    VOLTAGE    CIRCUITS    CONTROLS    OPTIONS

SHOP DRAWINGS



ORDERING INFORMATION

SERIES

MBL1

KELVIN

30    3000K  
 35    3500K  
 40    4000K  
 50    5000K  
 TW    Tunable White

NOMINAL LENGTH

48    48"

COLOR

W    White (standard)  
 S    Silver  
 B    Black

VOLTAGE

MV    120-277V  
 347    347V

CIRCUITS

1C    1 Circuit  
 2C    2 Circuits

LUMENS UP\*

30    3,000  
 50    5,000  
 00    None

\*Other lumen packages available.

CONTROLS

LV\*\*    Low Voltage Relay Ready (Patient Controlled)  
 PC4L\*    4 Way Pull Chain (Left)  
 PC4R\*    4 Way Pull Chain (Right)  
 PC2L\*    2 Way Pull Chain (Left)  
 PC2R\*    2 Way Pull Chain (Right)

\*Pull chain options only available in 120V

\*\*Remote control not supplied by PA-CO

WIRELESS CONTROL OPTIONS SEE LINK BELOW

<https://bit.ly/2C5IXqa>

OPTIONS

EM    Emergency Pack  
 AM    Anti-Microbial Paint  
 9C    90 CRI  
 PR    Perforated Lens (down only)

FEATURES

- > Premium grade wall-mounted luminaire designed as a bed light for hospitals, nursing homes and other patient care facilities.
- > Provides controlled direct and indirect lighting with separate uplight and downlight compartments
- > Solid construction with 16 gauge C.R.S. one-piece housing with welded end caps
- > Variety of control options available including patient controlled low voltage relay, basic pull chains or an extensive selection of wireless control systems
- > Features white frost polycarbonate lens for smooth and uniform illumination
- > Available with anti-microbial finish (optional)
- > Minimum 80 CRI, 90+ CRI available as an option

APPLICATIONS

- > Hospitals
- > Nursing Homes
- > Chronic care facilities
- > Retirement homes

FIXTURE PERFORMANCE DATA

**SPECIFICATIONS**

**Housing** – Precision die-formed 16-gauge C.R.S. housing with welded end plates

**Diffuser** – Features white frost polycarbonate lens for smooth and uniform illumination

**Finish** – Electrostatic powder finish applied post production on all surfaces for smooth edges and safe handling

**Electrical** – High quality mid-power LED boards. L85 >50,000 hours.

**Mounting** – Wall mounted

- Listings** –
- CSA certified as luminaire suitable for dry or damp locations.
  - UL certified as luminaire suitable for dry or damp locations.

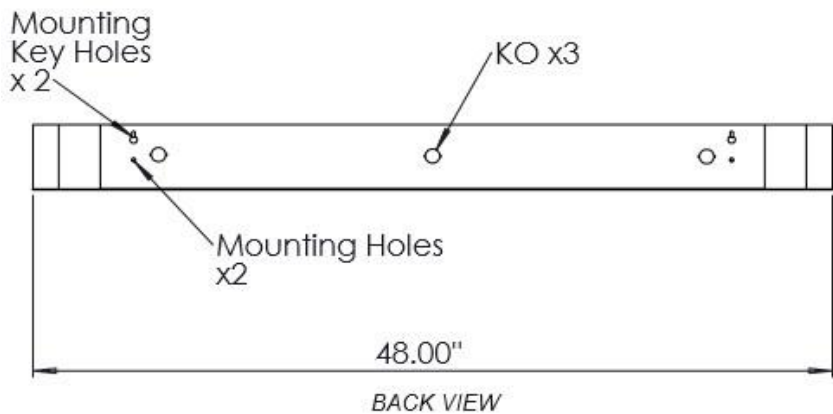
**Warranty** – 5-year limited warranty

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
30 Up	3,386	29	116
50 Up	5,717	48	117
10 Down	1,113	9	123
30 Down	3,150	29	108
30 Up / 10 Down	4,455	36	123
30 Up / 30 Down	6,514	58	113
50 Up / 10 Down	6,696	57	117
50 Up / 30 Down	8,758	77	113

\*Results based on 4000K, 80 CRI, L2 White Opal Polycarbonate Lens

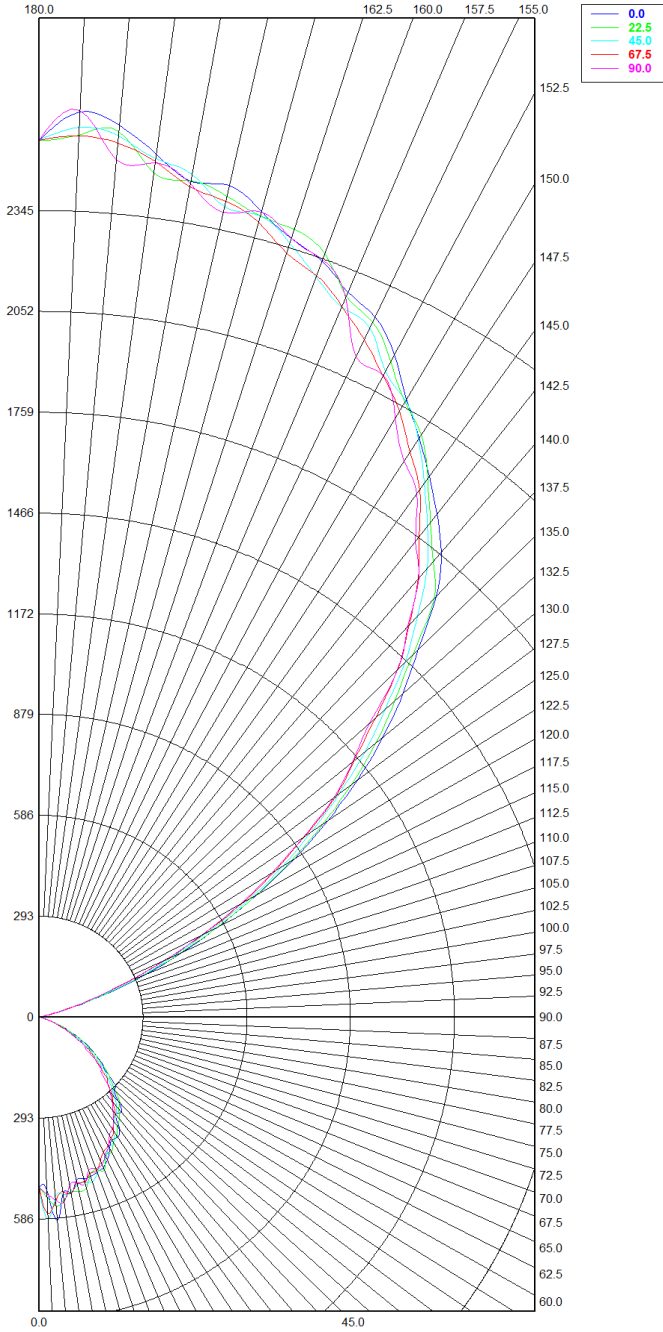
MULTIPLIER TABLE	
COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K / 80 CRI	0.95
3500K / 80 CRI	0.97
4000K / 80 CRI	1
5000K / 80 CRI	1.03

FIXTURE DETAILS



PHOTOMETRY

MBL1-LED-50-10-40-MVOLT Total Luminaire Output: 6,697 lumens; 57 Watts



**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0.00° - 10.00°	51.30	0.77%
10.00° - 20.00°	139.65	2.08%
20.00° - 30.00°	205.21	3.06%
30.00° - 40.00°	235.39	3.51%
40.00° - 50.00°	223.60	3.34%
50.00° - 60.00°	165.25	2.47%
60.00° - 70.00°	81.45	1.22%
70.00° - 80.00°	16.95	0.25%
80.00° - 90.00°	4.03	0.06%
90.00° - 100.00°	1.73	0.03%
100.00° - 110.00°	76.54	1.14%
110.00° - 120.00°	419.50	6.26%
120.00° - 130.00°	842.67	12.58%
130.00° - 140.00°	1,124.86	16.79%
140.00° - 150.00°	1,179.11	17.60%
150.00° - 160.00°	1,009.87	15.07%
160.00° - 170.00°	677.50	10.11%
170.00° - 180.00°	244.38	3.65%
0.00° - 90.00°	1,122.84	16.76%
90.00° - 180.00°	5,576.15	83.24%
0.00° - 180.00°	6,698.99	100.00%

**Spacing Criterion:**

<b>Two luminaires, plane 0°</b>	1.27
<b>Two luminaires, plane 90°</b>	1.19
<b>Four luminaires</b>	1.31