

Date:	Project:	Type:	Notes:	Catalog #:
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**MBK-AO SERIES**  
**Magnetic Bar Kit with Adjustable Output**  
**Retrofit, Belly Pan & Fixture**

The MBK Series is the easiest and most versatile fluorescent retrofit solution with three format options. Single or multiple magnetic LED strip and driver combinations deliver the right lumen package as a retrofit kit, with a belly pan or entire fixture solution. Now with three selectable wattages.



**Features & Specifications**

**Applications**

Replacements for traditional fluorescent troffers or strip fixtures with new belly pan covers or entire strip fixtures. Ideal for use in indoor commercial and industrial applications; schools, offices, hospitals, distribution centers and factories, etc.

**Construction**

Linear light bar with frosted diffused lens and magnetic mounting strip across the entire back. Belly Pan and complete Fixture housings made from die formed heavy gauge pre-painted cold rolled steel and finished with post-production white polyester polymer.

**Mounting**

Retrofit Kit has quick-connect LED strip and driver. Belly pan drilled for self tapping screws. Fixture designed for surface mounting. Chain and cable mount ready.

**Electrical**

Utilizes high-efficiency LED power supply and circuit boards. 120-277V & 0-10V dimming standard. 50/60HZ input frequency.

**Operating Temperature**

Suitable for -20°C to +40°C Ambient

**Lumen Maintenance**

L70 rating of 60,000 hours

**CRI**

80+

**Warranty**

Five-year warranty. Terms and Conditions Apply. See warranty documentation for more information.

**Certification**

ETL Damp Listed. Adheres to LM79, LM80 and TM21 industry standards. Linear Light bars and drivers are DesignLights Consortium (DLC) 5.1 Standard.

**Performance Data**

FSC Part #	Form Factor	Rated Wattage	Kelvin Temp	Delivered Lumens	Efficacy
MBK2-2-4L-AO-**K-F	2FT	15	3500	2175	145
		15	4000	2175	145
		15	5000	2175	145
		20	3500	2900	145
		20	4000	2900	145
		20	5000	2900	145
		25	3500	3625	145
		25	4000	3625	145
MBK3-1-4L-AO-**K-F	3FT	15	3500	2175	145
		15	4000	2175	145
		15	5000	2175	145
		20	3500	2900	145
		20	4000	2900	145
		20	5000	2900	145
		25	3500	3625	145
		25	4000	3625	145
MBK4-1-4L-AO-**K-F	4FT	15	3500	2175	145
		15	4000	2175	145
		15	5000	2175	145
		20	3500	2900	145
		20	4000	2900	145
		20	5000	2900	145
		25	3500	3625	145
		25	4000	3625	145
MBK4-2-5L-AO-**K-F	4FT	25	5000	3625	145
		20	3500	2900	145
		20	4000	2900	145
		20	5000	2900	145
		28	3500	4060	145
		28	4000	4060	145
		28	5000	4060	145
		35	3500	5075	145
MBK4-2-7L-AO-**K-F	4FT	35	4000	5075	145
		35	5000	5075	145
		30	3500	4350	145
		30	4000	4350	145
		30	5000	4350	145
		38	3500	5510	145
		38	4000	5510	145
		38	5000	5510	145
MBK4-2-7L-AO-**K-F	4FT	48	3500	6960	145
		48	4000	6960	145
		48	5000	6960	145



Catalog Ordering

Sample Part # MBK4-2-5L-AO-40K-F

1	2	3	4	5	6	7	8
1 - Series	2 - Magnetic Bar Length in Feet	3 - Bar Count, Lumens Watts	4 - Color Temp (CCT)	5 - Lens	6 - Length		
<b>MBK</b>	2 (2' Magnetic Bar) 3 (3' Magnetic Bar) 4 (4' Magnetic Bar)	2- <b>4L</b> (2 Bars, 15W, 20W, 25W) 1- <b>4L</b> (1 Bar, 15W, 20W, 25W) 1- <b>4L</b> (1 Bar, 15W, 20W, 25W) 2- <b>5L</b> (2 Bars, 20W, 28W, 35W) 2- <b>7L</b> (2 Bars, 30W, 38W, 48W)	<b>35K</b> (3500 Kelvin Temp) <b>40K</b> (4000 Kelvin Temp) <b>50K</b> (5000 Kelvin Temp)	<b>F</b> (Frosted Lens)	<b>Blank</b> - No Belly Pan <b>BP24</b> (2' Belly Pan 4.25" wide) <b>BP36</b> (3' Belly Pan 4.25" Wide) <b>BP48</b> (4' Belly Pan 4.25" Wide) <b>BP72</b> (6' Belly Pan 4.25" Wide) <b>BP96</b> (8' Belly Pan 4.25" Wide) <b>CH</b> (4.25" Channel only available with BP) <b>CBP</b> (Custom Width BP) <sup>1</sup> <b>CWC</b> (Custom Width Channel) <sup>1</sup>		

**7 - Controls/Options** (only available with CH)

**8 - Options** (only available with CH or BP longer than 2')

- OS** (Occupancy Sensor)
- PRGOS-LR** (IRTEC LRD309S Line Voltage SmartDIM Occ Sensor w/Remote Control)
- 10GL** (10' Loop w/ Gripple Hanging Kit)

- EM10WT20** (Title 20 Compliant Battery Backup, 10 Watts, ~1300 lumens)
- 480SD** (480 Step-Down)
- PLG** (6' SJT Cord & Plug)

**NOTES**

<sup>1</sup> Consult factory

Below are pictures of BP (Belly Pan with Clips):

