

Date:	Project:	Type:	Notes:	Catalog #:
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**MBK SERIES**  
**Magnetic Bar Kit - 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 to deliver the right lumen package as a retrofit kit, with a belly pan or entire fixture solution.



**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

**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	CRI
MBK2-2-4L	2FT	25	3500	3500	140	>80
		25	4000	3550	142	>80
		25	5000	3575	143	>80
MBK3-1-3L	3FT	20	3500	2800	140	>80
		20	4000	2840	142	>80
		20	5000	2860	143	>80
MBK4-1-3L	3FT	20	3500	2800	140	>80
		20	4000	2840	142	>80
		20	5000	2860	143	>80
MBK4-2-4L	4FT	25	3500	3500	140	>80
		25	4000	3550	142	>80
		25	5000	3575	143	>80
MBK4-2-5L	4FT	32	3500	4480	140	>80
		32	4000	4544	142	>80
		32	5000	4576	143	>80
MBK4-2-6L	4FT	40	3500	5600	140	>80
		40	4000	5680	142	>80
		40	5000	5720	143	>80
MBK4-2-7L	4FT	49	3500	6860	140	>80
		49	4000	6958	142	>80
		49	5000	7007	143	>80
MBK3-2-6L	6FT	40	3500	5600	140	>80
		40	4000	5680	142	>80
		40	5000	5720	143	>80
MBK4-2-4L	8FT	25	3500	3500	140	>80
		25	4000	3550	142	>80
		25	5000	3575	143	>80
MBK4-2-5L	8FT	32	3500	4480	140	>80
		32	4000	4544	142	>80
		32	5000	4576	143	>80
MBK4-2-6L	8FT	40	3500	5600	140	>80
		40	4000	5680	142	>80
		40	5000	5720	143	>80
MBK4-2-7L	8FT	49	3500	6860	140	>80
		49	4000	6958	142	>80
		49	5000	7007	143	>80
MBK4-4-10L	8FT	64	3500	8960	140	>80
		64	4000	9088	142	>80
		64	5000	9152	143	>80
MBK4-4-12L	8FT	80	3500	11200	140	>80
		80	4000	11360	142	>80
		80	5000	11440	143	>80
MBK4-4-14L	8FT	98	3500	13720	140	>80
		98	4000	13916	142	>80
		98	5000	14014	143	>80



Catalog Ordering

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

1	2	3	4	5	6	7	8
1 - Series	2 - Magnetic Bar Length in Feet	3 - Bar Count Lumens	4 - Color Temp (CCT)	5 - Lens	6 - Length		
<b>MBK</b>	<b>2</b> (2' Magnetic Bar)  <b>3</b> (3' Magnetic Bar)  <b>4</b> (4' Magnetic Bar)	<b>2- 4L</b> (2 Bars, 25W)  <b>1- 3L</b> (1 Bar, 20W) <b>2- 6L</b> (2 Bars, 40W)  <b>1- 3L</b> (1 Bar, 20W) <b>2- 4L</b> (2 Bars, 25W) <b>2- 5L</b> (2 Bars, 32W) <b>2- 6L</b> (2 Bars, 40W) <b>2- 7L</b> (2 Bars, 49W) <b>3- 5L</b> (3 Bars, 32W) <b>3- 6L</b> (3 Bars, 40W) <b>4- 7L</b> (4 Bars, 49W) <b>4- 10L</b> (4 Bars, 64W) <b>4- 12L</b> (4 Bars, 80W) <b>4- 14L</b> (4 Bars, 98W)	<b>35K</b> (3500 Kelvin Temp) <b>40K</b> (4000 Kelvin Temp) <b>50K</b> (5000 Kelvin Temp)	<b>F</b> (Frosted Lens) <b>NL</b> (No 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>3</sup> <b>CWC</b> (Custom Width Channel) <sup>3</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)<sup>2</sup>

**EM10WT20** (Title 20 Compliant Battery Backup, 10 Watts, ~1300 lumens)<sup>1</sup>  
**480SD** (480 Step-Down)  
**PLG** (6' SJT Cord & Plug)

**NOTES**

**1** Lumens will change based on fixture selection. Consult with factory for additional options. **2** Hanging kit is manufactured by Gripple Inc.  
**3** Consult factory

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

