

Date:	Project:	Type:	Notes:	Catalog #:
-------	----------	-------	--------	------------

MBK SERIES MAGNETIC BAR RETROFIT KIT

The MBK Series Magnetic Retrofit kit is the easiest and most versatile fluorescent bulb retrofit solution: two-piece magnetic led strip and a magnetic driver, an ideal troffer retrofit solution.



Features & Specifications

Applications

Replacements for traditional fluorescents troffers in lay-in or T-grid ceilings. Ideal for use in indoor commercial lighting environments; schools, libraries, offices, lobbies, hallways, meeting rooms, hospitals, etc.

Construction

Linear light bar with frosted diffused lens and magnetic mounting strip.

Mounting

Quick-connect magnetic LED strip and driver.

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 – 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. RoHS Compliant. DesignLights Consortium® (DLC) 5.1 Standard.

Performance Data

FSC Part #	Form Factor	Rated Wattage	Kelvin Temp	Delivered Lumens	Efficacy	Delivered Lumens in Troffer	Efficacy in Troffer	CRI
MBK-2	2FT	25	3500	3325	133	2853	113	>80
		25	4000	3350	134	2878	114	>80
		25	5000	3375	135	2927	116	>80
MBK-4	4FT	25	3500	3325	133	2783	109	>80
		25	4000	3350	134	2806	110	>80
		25	5000	3375	135	2850	111	>80
		32	3500	4256	133	3688	113	>80
		32	4000	4288	134	3694	114	>80
		32	5000	4320	135	3703	114	>80
		40	3500	5320	133	4595	111	>80
		40	4000	5360	134	4621	112	>80
		40	5000	5400	135	4671	113	>80
		49	3500	6517	133	5276	112	>80
		49	4000	6566	134	5301	113	>80
		49	5000	6615	135	5350	114	>80



MBK				
1	2	3	4	5
1 - Series	2 - Length in Feet	3 - Bar Count/ Lumens	4 - Color Temp (CCT)	5 - Lens
MBK	2 (2' Magnetic Bar)	2- 4L (2 Bars, 25W)	35K (3500 Kelvin Temp) 40K (4000 Kelvin Temp) 50K (5000 Kelvin Temp)	F (Frosted Lens) NL (No Lens)
	4 (4' Magnetic Bar)	1- 3L (1 Bar, 25W) 2- 5L (2 Bars, 32W) 2- 6L (2 Bars, 40W) 2- 7L (2 Bars, 49W) 3- 5L (3 Bars, 32W) 3- 6L (3 Bars, 40W) 4- 7L (4 Bars, 49W)		

Photometric Data

MBK4-2-7L-35K-F Tested in accordance to IESNA LM-79

Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-10	205.78	3.90%
10-20	590.45	15.09%
20-30	891.57	31.99%
30-40	1048.11	51.85%
40-50	1007.29	70.95%
50-60	733.69	84.85%
60-70	438.51	93.16%
70-80	261.04	98.11%
80-90	93.34	99.88%
90-100	0.75	99.89%
100-110	1.03	99.91%
110-120	1.19	99.94%
120-130	0.95	99.95%
130-140	0.80	99.97%
140-150	0.64	99.98%
150-160	0.52	99.99%
160-170	0.36	100.00%
170-180	0.13	100.00%

Polar Graph

