



MAGNETIC TROFFER RETROFIT KIT

JAYKAL

PROJECT NAME:	JAYKAL LED SOLUTIONS, INC. www.jaykal.net 26832 Lewes Georgetown Hwy, Building 2, Unit E Harbeson, DE 19951 (P) 302-295-0015 (F) 302-295-0016
PROJECT NOTES:	

DESCRIPTION:

The simple design of the Retrofit Kit delivers maximum light distribution and is ideal for commercial and industrial troffer retrofit applications. The kit is engineered as a highly energy efficient and eco-friendly retrofit, delivering 139lm/W. By utilizing state of the art rare earth magnets, Jaykal was able optimize the heat transfer characteristics for the life of the fixture.

FEATURES & BENEFITS:

- ◆ Wattage Options: 10W, 16W, 20W, 24W,30W, 36W, 40W, 45W, 60W
- ◆ CCT Options: 3000K, 3500K, 4000K, 5000K
- ◆ 139+lm/W with PC Cover Option
- ◆ Optional: 0-10V Dimming, Polycarbonate Cover, Emergency Backup, Integrated Controls
- ◆ 5 Year Warranty



5 YEAR STANDARD WARRANTY—EXTENDED WARRANTIES AVAILABLE

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Specifications are typical values and may change without notification

efficiency. illuminated.

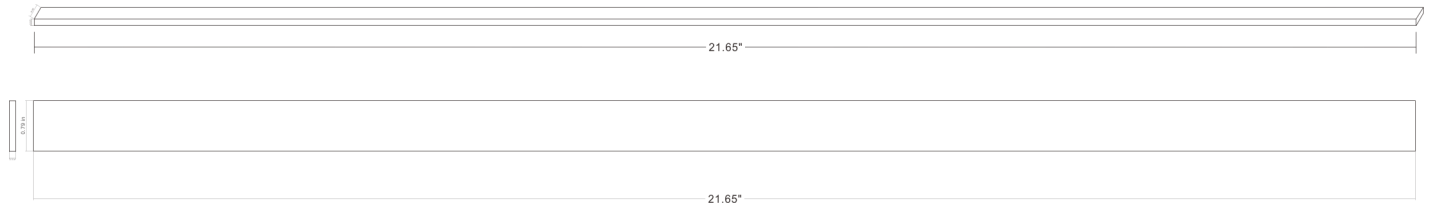


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SPECIFICATIONS TABLE

Model	10W	12W	16W	20W	24W	30W	36W	40W	45W	60W
Input Voltage	100-277VAC 50/60hz									
Wattage	10W	12W	16W	20W	24W	30W	36W	40W	45W	60W
Efficacy	139+lm/W with PC Cover Option									
Lumens	1,390lm	1668lm	2,224lm	2,780lm	3,336lm	4,249lm	5,004lm	5,560lm	6,255lm	8,340lm
Power Factor	>0.9									
THD	<15%									
CRI	>80									
CCT	3000K/3500/4000K/5000K									
Operational Temp.	-30°C — 50°C									
Housing Material	Aluminum									



ORDERING GUIDE

JLS681020MGT-10-4-40K-10-2-OC

MODEL NUMBER	WATTAGE	LENGTH	CCT	OPTIONS	LIGHT BARS	SENSORS
JLS68102-MGT	10 = 10W 12 = 12W 16 = 16W 20 = 20W 24 = 24W 30 = 30W 36 = 36W 40 = 40W 45 = 45W 60 = 60W	1 = 1 FT. 2 = 2 FT. 3 = 3 FT. 4 = 4 FT.	30K = 3000K 35K = 3500K 40K = 4000K 50K = 5000K	EM = Emergency Backup 10 = 0-10V Dimming PC = Polycarbonate Cover 50 = 50-50 Driver M* = Multi-Current *(24W/30W/36W/45W Field Adjustable)	1 = One Bar 2 = Two Bars 3 = Three Bars 4 = Four Bars *4ft. Bars—Max 24W per bar. *3ft. Bars—Max 20W per bar. *2ft. Bars—Max 13.4W per bar. *1ft. Bars—Max 6.7W per bar.	OC = Occupancy OCBL = Occupancy Bi-Level Dimming, One-Key Commissioning OCAL = Occupancy with Bi-Level Dimming, Wireless Grouping, One-Key Commissioning BLANK = No Sensor See Page 3 for Control Features

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CONTROL OPTIONS:

Option OC: ON/OFF Occupancy Sensing

- ◆ High Frequency Motion Sensor
- ◆ Hidden Installation Behind Diffuser
- ◆ Ambient Light Sensing
- ◆ Adjustable Detection Area

Option OCBL: Occupancy Sensor with Bi-Level Dimming & One Key Commissioning

- ◆ Adjustable Detection Area
- ◆ Task Lighting/ Lumen Maintenance
- ◆ Ambient Light Sensing
- ◆ Daylight Harvesting
- ◆ High Frequency Motion Sensing
- ◆ One-Key Commissioning - Save the settings for the fixture and program each additional fixture with One-Key Press.
- ◆ Hidden Installation with LED/Daylight Spectrum Recognition

Option OCAL: Occupancy Sensor with Bi-Level Dimming, Grouping and One-Key Commissioning

- ◆ Adjustable Detection Area
- ◆ Task Lighting/ Lumen Maintenance
- ◆ Ambient Light Sensing
- ◆ Daylight Harvesting
- ◆ High Frequency Motion Sensing
- ◆ One-Key Commissioning with Wireless Remote
- ◆ Hidden Installation with LED/Daylight Spectrum Recognition
- ◆ One-Key Commissioning - Save the settings for the fixture and program each additional fixture with One-Key Press.
- ◆ RF Wireless Grouping of up to 30 Fixtures.

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Installation Guide for 2 and 4 Ft. MGT Kits

1. Disconnect AC power from the fixture
2. Begin by removing the existing lamps from the fixture.
3. Remove the ballast cover and set it aside, it will be reinstalled later.
4. Disconnect and remove the ballast and tombstone assemblies.
5. Install the LED driver in the location of the original ballast. The LED driver has a magnetic attachment to facilitate installation. Once you have positioned the LED driver, install self tapping screws to secure the driver permanently in position.
6. Install the magnetic LED strips into the desired positions inside the fixture housing. The magnetic backing will hold the strips in place during installation. Remove the access covers from each end of the strips (See Fig1.) Install self tapping screws into the mounting holes to permanently position the strips.
7. Connect the LED driver and strips as illustrated for your application. (See Page 4 of this Document)
8. Reinstall the ballast cover which was removed in step 3, to protect the LED driver and wiring.
9. Reconnect fixture power and test for normal operation.



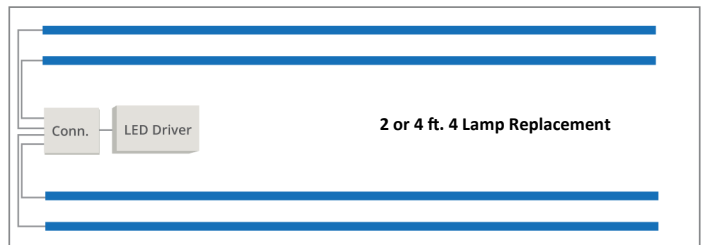
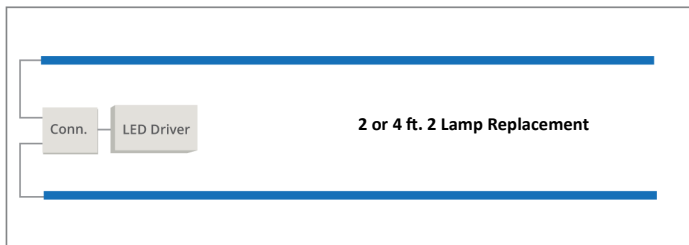
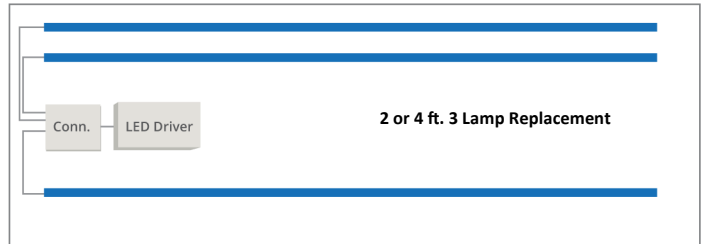
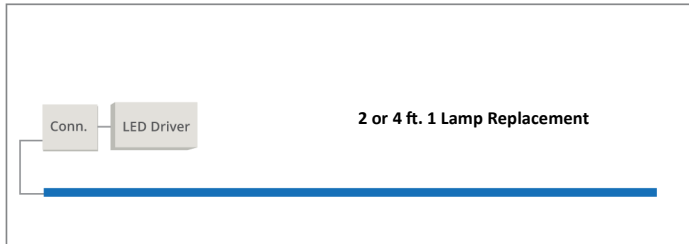
Fig. 1

MAGNETIC TROFFER RETROFIT KIT



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LED Bar Wiring Examples Configurations for 2 and 4 FT. Kits



LED Bar Wiring Example Configurations for 6 and 8 FT. Kits

