



# MAGNETIC TROFFER RETROFIT KIT

**JAYKAL**

PROJECT NAME:

**JAYKAL LED SOLUTIONS, INC.**

[www.jaykal.net](http://www.jaykal.net)

PROJECT NOTES:

26832 Lewes Georgetown Hwy,  
Building 2, Unit E  
Harbeson, DE 19951  
(P) 302-295-0015  
(F) 302-295-0016

## 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 140lm/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: 16W, 20W, 24W, 30W, 40W, 60W
- ◆ CCT Options: 3000K, 3500K, 4000K, 5000K
- ◆ 140+ lm/W
- ◆ Optional: 0-10V Dimming, Polycarbonate Cover, Emergency Backup
- ◆ 5 Year Warranty
- ◆ Near Zero Maintenance



5 YEAR STANDARD WARRANTY—EXTENDED WARRANTIES AVAILABLE

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*Specifications are typical values and may change without notification*

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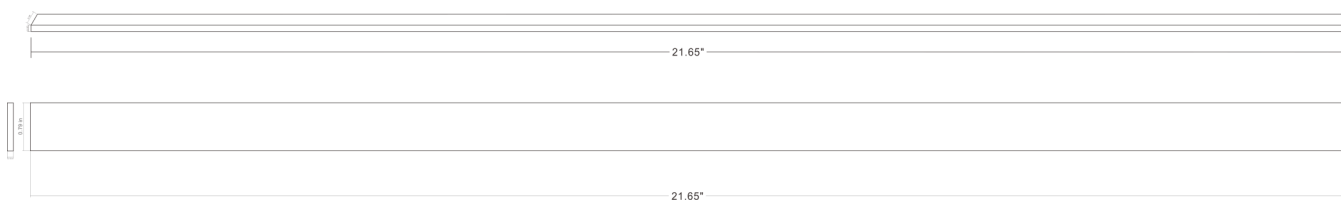


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**SPECIFICATIONS TABLE**

Model	16W	20W	24W	30W	40W	60W
Input Voltage	100-277VAC 50/60hz	100-277VAC 50/60hz	100-277VAC 50/60hz	100-277VAC 50/60hz	100-277VAC 50/60hz	100-277VAC 50/60hz
Wattage	16W	20W	24W	30W	40W	60W
Efficacy	139 lm/W	134lm/W	139 lm/W	139 lm/W	139 lm/W	139 lm/W
Lumens	2,224 lm	2,750 lm	3,336 lm	4,249 lm	5,560 lm	8,340 lm
Power Factor	>0.9					
THD	<15%					
CRI	>80					
CCT	3000K/3500/4000K/5000K					
Operational Temperatures	-30°C — 50°C					
Housing Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum



## ORDERING GUIDE

MODEL NUMBER	-	WATTAGE	-	SIZE	-	CCT	-	OPTIONS	-	LIGHT BARS
JLS68102-MGT		<b>16</b> = 16W, <b>24</b> = 24W		<b>14</b> = 1X4		<b>30K</b> = 3000K		<b>EM</b> = Emergency Backup		<b>1</b> = One Bar
JLS68102-MGT		<b>20</b> = 20W, <b>30</b> = 30W, <b>40</b> = 40W		<b>22</b> = 2X2		<b>35K</b> = 3500K		<b>10</b> = 0-10V Dimming		<b>2</b> = Two Bars
JLS68102-MGT		<b>20</b> = 20W, <b>30</b> = 30W, <b>40</b> = 40W, <b>60</b> = 60W		<b>24</b> = 2X4		<b>40K</b> = 4000K		<b>PC</b> = Polycarbonate Cover		<b>3</b> = Three Bars
JLS68102-MGT		<b>16</b> = 16W, <b>30</b> = 30W, <b>40</b> = 40W		<b>11</b> = 1X1		<b>50K</b> = 5000K		<b>50</b> = 50-50 Driver		<b>4</b> = Four Bars
				<b>12</b> = 1X2						
				<b>13</b> = 1X3						
				<b>16</b> = 1X6						
				<b>18</b> = 1X8						

\*4ft. Bars—Max 24W per bar.  
\*2ft. Bars—Max 13.4W per bar.

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## Wiring Diagram

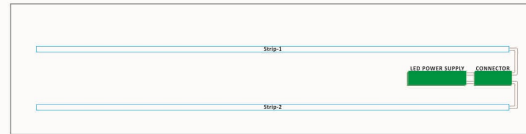
### 1x4 1 Strip

Model# JLS98102-MGT-14-16-Y-Z



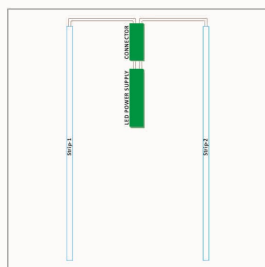
### 1x4 2 Strips

Model# JLS98102-MGT-14-24-Y-Z



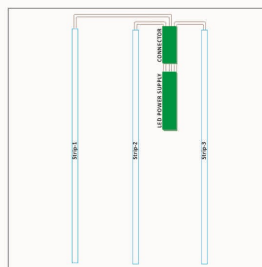
### 2x2 2 Strips

Model# JLS68102-MGT-22-20-Y-Z  
JLS68102-MGT-22-30-Y-Z



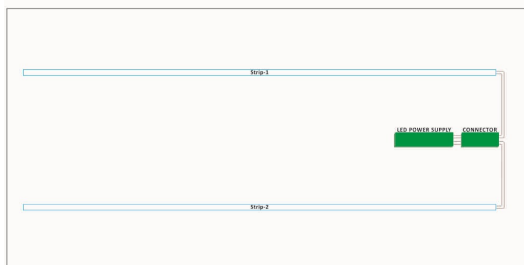
### 2x2 3 Strips

Model# JLS68102-MGT-22-40-Y-Z



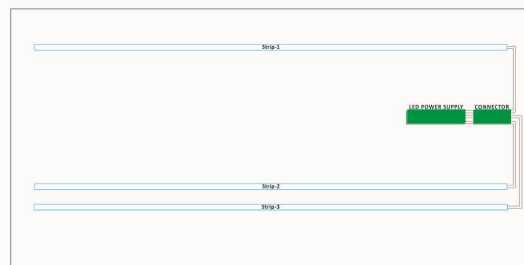
### 2x4 2 Strips

Model# JLS68102-MGT-24-20-Y-Z • JLS68102-MGT-24-30-Y-Z



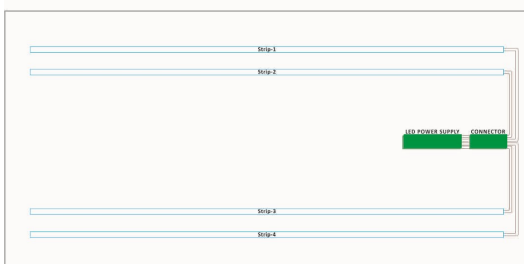
### 2x4 3 Strips

Model# JLS68102-MGT-24-40-Y-Z



### 2x4 4 Strips

Model# JLS68102-MGT-24-60-Y-Z



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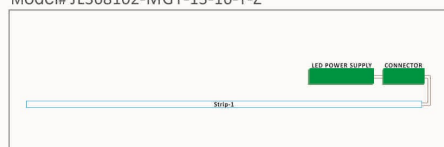


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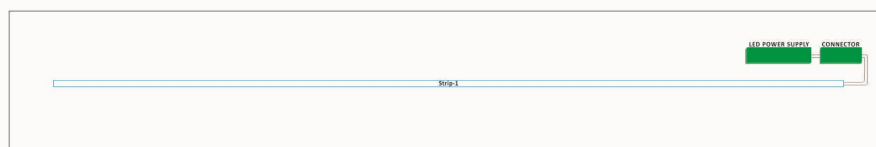
## 1x3 1 Strip

Model# JLS68102-MGT-13-16-Y-Z



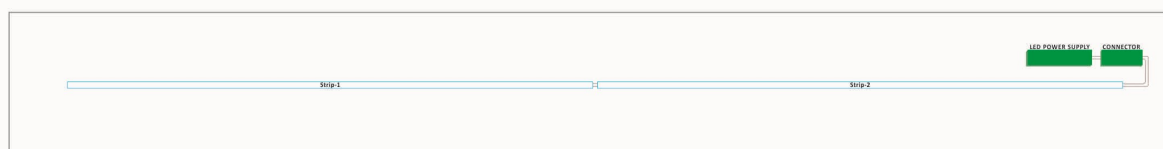
## 1x6 1 Strip

Model# JLS68102-MGT-16-30-Y-Z



## 1x8 2 Strips

Model# JLS68102-MGT-18-40-Y-Z



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