



A RETROFIT  
SOLUTION BY



ZLED<sup>TM</sup>  
LIGHTING  
ZLED-LIGHTING.COM



LED MAGNETIC RETROFIT KIT  
FOR FLUORESCENT FIXTURES



# THE IDEAL RETROFIT SYSTEM



**MAGNOLUMEN**™ has been in the forefront of Magnetic LED Fluorescent Retrofit Kits and can be used to retrofit almost any light fixture. Each kit contains everything needed to retrofit including a driver, LED boards, magnetic mounting clips, a plug-and-play wiring harness and wire screws. This product is perfect for hospitals, schools, office buildings, car dealerships, correctional facilities, show rooms, retail stores and any structure looking for a brighter and crisper lighting scene.



**You must see it to believe it (install it in under 10 minutes)**

- Magnetic mounting and quick connect wiring make installation simple and efficient.
- LED technology uses less energy than fluorescent tubes (up to 75% less) and Energy Saving Rebates are available.
- High efficacy (150 lumens/watt) creates a bright lumination that will last over 100,000 hours.
- Available in a range of color temperatures and lengths.

## Maximum Watts per LED Board

LED Board Size: Max Watts per Board (per Color Temp.)

- 16in: 10W (3000-6000K) 10W (Red/Green/Blue/Black)
- 2ft: 10W (3000-6000K) 10W (Red/Green/Blue/Black)
- 3ft: 20W (3000-6000K) 15W (Red/Green/Blue/Black)
- 4ft: 25W (3000-6000K) 20W (Red/Green/Blue/Black)
- 5ft: 30W (3000-6000K) 25W (Red/Green/Blue/Black)

## Product Features & Specifications

- Voltage Input: 120-305VAC
- Luminous Efficiency:  
>150 lm/W for the LED module  
>124-132 lm/W in a luminaire
- CRI (Ra): 83 nominal, up to 95 CRI available
- Power Factor: >.920
- L70: >100,000 hours
- IP: LED Board - IP30  
LED Driver - IP20
- Warranty: 5 years

## The Ideal Replacement for a Variety of Fixtures

- Troffers
- Surface Mounts
- Channel Lights
- Vapor Lights
- High Bays
- Direct and Indirect
- Cove Lighting



# MAGNETIC LED FLUORESCENT RETROFIT KITS

## 16in. (16") Retrofit Kit (F15 Lamp Replacement)

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK-1-F15-5W	1 x 16"	5W	1 - 5W	40K, 50K, 60K	600/710	ETL
MRK-1-F15-10W	1 x 16"	10W	1 - 10W	40K, 50K, 60K	1,200/1,420	ETL
MRK-2-F15-10W	2 x 16"	10W	1 - 10W	40K, 50K, 60K	1,200/1,420	ETL
MRK-2-F15-20W	2 x 16"	20W	1 - 20W	40K, 50K, 60K	2,400/2,840	ETL

## 2ft. (21") Retrofit Kit

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK1210	1 x 2'	10W	1 - 10W	30K, 35K, 40K, 50K, 60K	1,200/1,420	ETL, DLC Premium
MRK2220	2 x 2'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL, DLC Premium
MRK3220	3 x 2'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL, DLC Premium
MRK3230	3 x 2'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL, DLC Premium
MRK3240	3 x 2'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	5,000/5,000	ETL, DLC Premium
MRK4230	4 x 2'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL
MRK4240	4 x 2'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL
MRK4250	4 x 2'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL

## 3ft. (31") Retrofit Kit

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK1310	1 x 3'	10W	1 - 10W	30K, 35K, 40K, 50K, 60K	1,200/1,420	ETL, DLC Premium
MRK2320	2 x 3'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL, DLC Premium
MRK3320	3 x 3'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL
MRK3330	3 x 3'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL, DLC Premium
MRK3340	3 x 3'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL
MRK4350	4 x 3'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL

## 4ft. (43") Retrofit Kit

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK1410	1 x 4'	10W	1 - 10W	30K, 35K, 40K, 50K, 60K	1,200/1,420	ETL, DLC Premium
MRK1420	1 x 4'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL, DLC Premium
MRK2420	2 x 4'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL, DLC Premium
MRK2430	2 x 4'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL, DLC Premium
MRK2440	2 x 4'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL, DLC Premium
MRK2450	2 x 4'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL, DLC Premium
MRK3430	3 x 4'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL, DLC Premium
MRK3440	3 x 4'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL, DLC Premium
MRK3450	3 x 4'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL, DLC Premium
MRK4440	4 x 4'	40W	1 - 40W	30K, 35K, 40K	5,000/6,000	ETL
MRK4450	4 x 4'	50W	1 - 50W	30K, 35K, 40K	6,000/7,100	ETL
MRK4460	4 x 4'	60W	1 - 60W	30K, 35K, 40K	7,500/9,000	(Pending)
MRK4475	4 x 4'	75W	1 - 75W	30K, 35K, 40K	9,375/11,250	(Pending)

## 5ft. (58") Retrofit Kit

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK1520	1 x 5'	20W	1 - 20W	30K, 35K, 40K, 50K, 60K	2,400/2,840	ETL
MRK1530	1 x 5'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL
MRK2530	2 x 5'	30W	1 - 30W	30K, 35K, 40K, 50K, 60K	3,600/4,260	ETL
MRK2540	2 x 5'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL
MRK2550	2 x 5'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL
MRK3540	3 x 5'	40W	1 - 40W	30K, 35K, 40K, 50K, 60K	4,800/5,680	ETL
MRK3550	3 x 5'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL
MRK4550	4 x 5'	50W	1 - 50W	30K, 35K, 40K, 50K, 60K	6,000/7,100	ETL
MRK4560	4 x 5'	60W	1 - 60W	30K, 35K, 40K	7,500/9,000	(Pending)
MRK4575	4 x 5'	75W	1 - 75W	30K, 35K, 40K	9,375/11,250	(Pending)

# SPECIALTY KITS

ZLEDLighting offers its Magnilumen Magnetic Retrofit Kit in a variety of colors and a special UV Blocking (Amber) lens to eliminate UV radiation, thus creating a safer and more efficient working area.

## SPECIALTY COLORS

### 2ft. (21") Specialty Colors

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	CERT.
MRK2220	2 x 2'	20W	1 - 20W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK3220	3 x 2'	20W	1 - 20W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK3230	3 x 2'	30W	1 - 30W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK4230	4 x 2'	30W	1 - 30W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL

### 4ft. (43") Specialty Colors

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	CERT.
MRK2430	2 x 4'	30W	1 - 30W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK2440	2 x 4'	40W	1 - 40W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK3440	3 x 4'	40W	1 - 40W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK3450	3 x 4'	50W	1 - 50W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL
MRK4450	4 x 4'	50W	1 - 50W	Red, Green, Blue, UV Blocking (Amber), Black Light (BL), 60K (6000K)	ETL

Specialty colors efficacy: 20 lumens per watt. Amber available in 5ft.

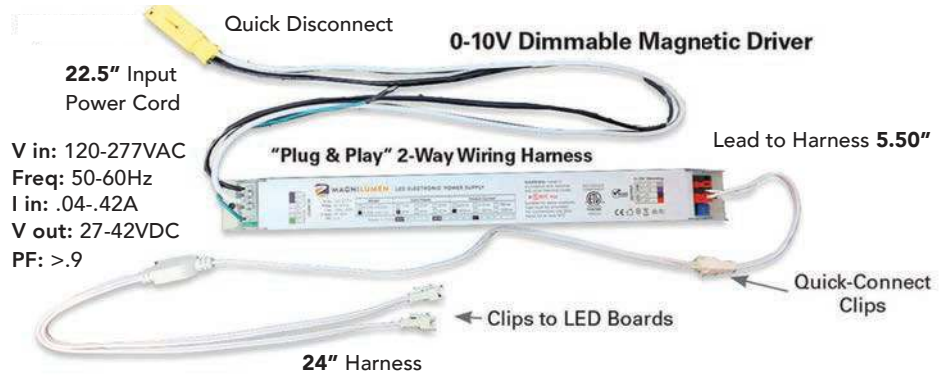


# THE COMPONENTS

## Removable Diffuser Lens



- Frosted (standard)
- Clear (special order)
- None (special order)
- 130 lm/W with frosted diffuser
- 150 lm/W without frosted diffuser



## Product Mounting Options

PRODUCT	DESCRIPTION
Mag-No-Hook	(Standard) Clip with magnet. Magnetic attachment only.
Mag-Hook	(Standard) Clip with magnet and tab feet for optional TekScrew attachment.
No-Mag-Hook-Only	Tab feet for TekScrew attachment - NOT Magnetic.
No-Mag-No-Hook	Clip with center hole for TekScrew attachment - NOT Magnetic.
45-Degree-Angle	45 Degree angled clip with magnet.



## Standard Drivers

PRODUCT	DESCRIPTION
Driver-10W	10W Dimmable driver
Driver-20W	20W Dimmable driver
Driver-30W	30W Dimmable driver
Driver-40W	40W Dimmable driver
Driver-50W	50W Dimmable driver
Driver-60W	60W Dimmable driver
Driver-75W	75W Dimmable driver

## Plug & Play Harnesses

**Harness-1-way** Connects 1 LED board to 1 driver.  
 Lead from driver connection to splitter: 11.00"; 1 board lead: 11.75"

**Harness-1-way-Ext-8** Connects 1 LED board to 1 driver, has 8 ft extension on driver end.

**Harness-1-way-Ext-16** Connects 1 LED board to 1 driver, has 16 ft extension on driver end.

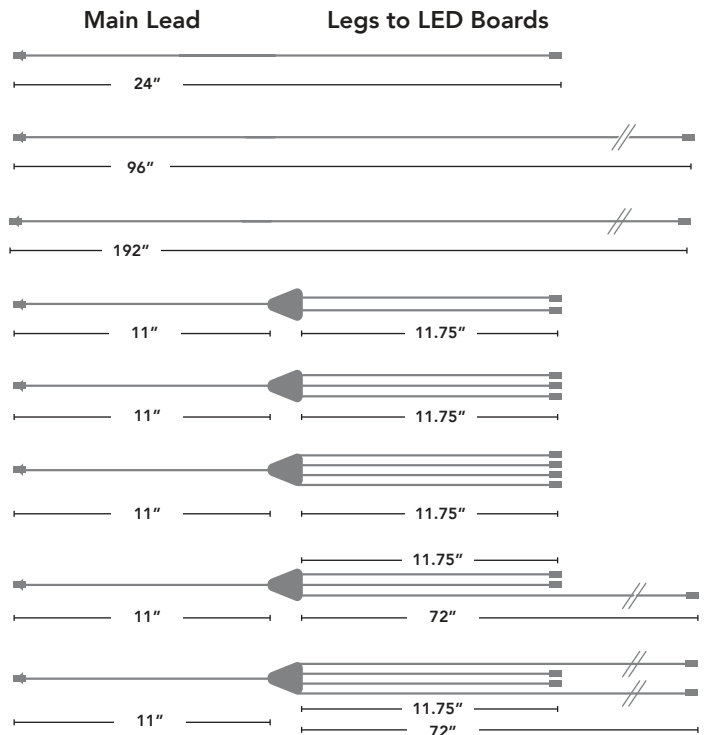
**Harness-2-way** Connects 2 boards to 1 driver (Standard)  
 Lead from driver connection to splitter: 11.00"; 2 board leads: each 11.75"

**Harness-3-way** Connects 3 boards to 1 driver  
 Lead from driver connection to splitter: 11.00"; 3 board leads: each 11.75"

**Harness-4-way** Connects 4 led boards to 1 driver  
 Lead from driver connection to splitter: 11.00"; 4 board leads: each 11.75"

**Harness-3-way-Ext (Special Order)** Connects 3 boards to 1 driver, has 6 ft extension on driver end. Lead from driver connection to splitter: 11.00"; 2 board leads: each 11.75", 1 board lead: 72.00"

**Harness-4-way-Ext (Special Order)** Connects 4 boards to 1 driver, 2 leads have has 6 ft extension. Lead from driver connection to splitter: 11.00"; 2 board leads: each 11.75", 2 board leads: each 72.00"



**MAGNILUMEN™** is the perfect LED retrofit solution for 4ft. and 8ft. industrial channel fixtures and vapor tights.

Vapor Tight

8ft. T8, T12 or HO industrial channel replacement systems.

## How It's Done

8-12ft. Height Replacement - Suggested Quantity

- 1-MRK2440-XXK 4,800 lumens with frosted diffusers
- Total System Wattages: 40W

15ft. Height Replacement - Suggested Quantity

- 1-MRK2450-XXK 6,000 lumens with frosted diffusers
- Total System Wattages: 50W

17-20ft. Height Replacement - Suggested Quantity

- 2-MRK2440-XXK 11,040 lumens remove frosted diffusers
- Total System Wattages: 80W

20-25ft. Height Replacement - Suggested Quantity

- 2-MRK2450-XXK 13,800 lumens remove frosted diffusers
- Total System Wattages: 100W

- You can replace any two lamps, 4ft. or 8ft. T8 with any of the above systems using the suggested kit or kits for the fixture height.

- To replace HO fluorescent tubes of 110 watts each at the above fixture heights, use kits equaling 50% of the wattage being used and increase MRK kit wattage as fixture height increases.

- For T5 lamps use approximately 50% of total existing T5 wattage HO or regular.

- A completely new ballast cover with kits pre-installed are available for most 4ft. and 8ft. fixtures, to give the channel fixture a new look.

- New industrial channel fixtures with unique lighting features to spread the light both downward and side to side are available.

- Diffusers reduce lumens by 15% (easily removed or clear is an option)

- For vapor tight fixtures that are 4ft. and 8ft., use above specs while always removing the Magnilumen diffusers.

- Please consult your sales rep or inside ZLEDLighting/Magnilumen support team for any application questions.

Thousands of happy retrofitted customers are saving money and increasing production through better lighting!



# DISTRIBUTOR DISPLAY OPPORTUNITIES

## Floor Pop Display - Less than 2' x 2' footprint



### All Retrofit Kits Include

- LED Boards
- LED Driver (power supply)
- Wiring Harness
- Magnetic Mounting

Part #: MAG-POP-DISPLAY

### Grab & Go for Contractors

Holds 20 piece 4' kits and 10 piece 2' kits, available with retail packaged kits only.

MRK2430-XXK, MRK2440-XXK

MRK2450-XXK, MRK2220-XXK

Mix & Match Kelvin Temps.



# DISTRIBUTOR WORKING DISPLAY OPPORTUNITIES

## Working 4' Display - Includes 4" x 9" Rack & Holder



Part #: MAG-LIT-DISPLAY



COMING SOON 2020!

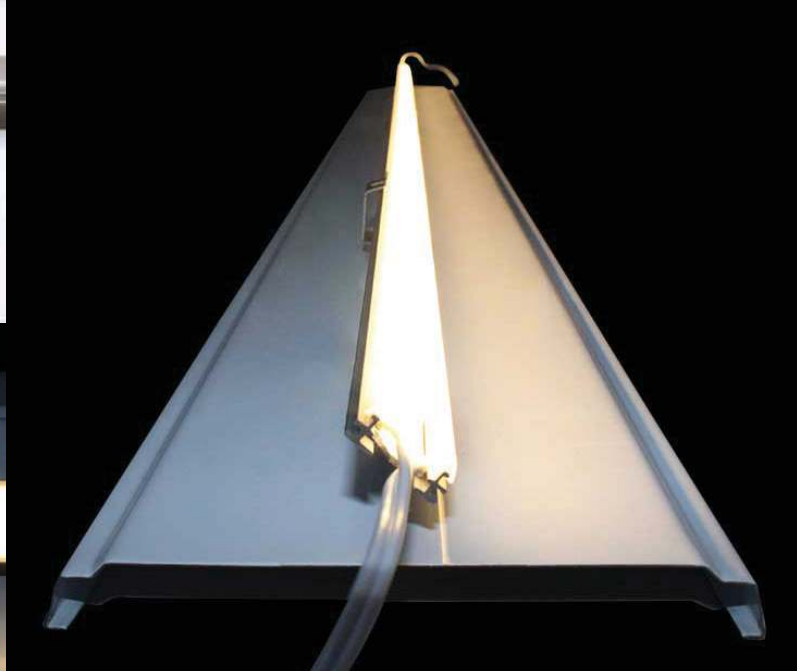
## MAGNILUMEN PLUS

The most energy efficient  
Magnetic Fixture Retrofit  
on the planet.

Check online at  
[www.Magnilumen.com](http://www.Magnilumen.com)

### Retail Packaging - Full-Color Box Sleeve Design with Installation Directions (Available only on kits listed below)

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK2430-XXK-RP	2 x 4'	30W	1 - 30W	35K, 40K, 50K	3,600/4,260	ETL, DLC Premium
MRK2440-XXK-RP	2 x 4'	40W	1 - 40W	35K, 40K, 50K	4,800/5,680	ETL, DLC Premium
MRK2450-XXK-RP	2 x 4'	50W	1 - 50W	35K, 40K, 50K	6,000/7,100	ETL, DLC Premium
MRK2220-XXK-RP	2 x 2'	20W	1 - 20W	35K, 40K, 50K	2,400/2,840	ETL, DLC Premium



# COVE LIGHTING SOLUTIONS WITH MAGNILUMEN RETROFIT KITS

Fill any cove with Magnilumen LED strip lighting to add appeal to living rooms, lounges, and other common areas in your home or business. Installing cove lighting is stress-free and easy when using Magnilumen Retrofit Kits. Our 4FT (47.75") boards give a seamless connection with no hot or dark spots. LED boards run in a series for each installation up to 16' from one driver. Our Magnilumen LED Retrofit Kit offers the perfect solution, as the strips themselves can be connected together to create continuous light runs that follow the custom contours of any cove, all from a single power feed. Incredible durability, energy savings and unlimited options make Magnilumen LED strip boards the ideal choice for LED cove lighting.

## Product Features

- **Color Temperatures:** 30K, 35K, 40K standard. All others are special order.
- **Voltage Input:** 25W maximum
- **Dimensions:** 47.75"
- **Lumens:** 135 lm/W with frost diffuser, 145 lm/W without diffuser
- **CRI:** >83
- **Warranty:** 5 years
- 45 degree magnetic clips for better light distribution.

## Cove Lighting Kit (47.75")

PRODUCT #	LED STRIPS	WATTAGES	# OF DRIVERS - TOTAL WATTAGE	COLOR TEMP.	LUMENS (WITH/WITHOUT FROSTED DIFFUSER)	CERT.
MRK4440-XXK-Cove	4 x 4'	40W	1 - 40W	30K, 35K, 40K	5,200/6,000	N/A
MRK4450-XXK-Cove	4 x 4'	50W	1 - 50W	30K, 35K, 40K	6,500/7,500	N/A
MRK4460-XXK-Cove	4 x 4'	60W	1 - 60W	30K, 35K, 40K	7,800/9,000	N/A
MRK4475-XXK-Cove	4 x 4'	75W	1 - 75W	30K, 35K, 40K	9,750/11,250	N/A



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