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Magnilumen Magnetic LED Fluorescent Retrofit Kits
Retail Packaging
PRODUCT DATASHEET
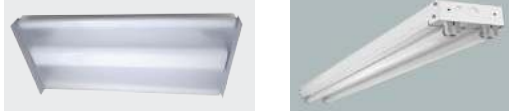Updated 01/03/2018

CERTIFICATIONS: ETL, DLC Premium

RATED: Up to 100,000 Hours
APPLICATIONS:
2ft & 4ft Troffers
2ft, 4ft, 6ft & 8ft Channel Lights
2ft, 4ft & 8ft Surface Mount Fixtures
2x2, 2x4 & 2x8 ft Highbay Fixtures
2ft, 4ft, 6ft & 8ft Vapor Tight Fixtures
2x2 & 2x4 ft Direct & Indirect Fixtures

RETROFIT EXISTING FIXTURES

Almost any light fixture can be renovated with a Magnilumen Retrofit kit

SPECIFICATIONS:
Input: 120/305VAC
Luminous Efficiency:
>145 lm/W for the LED Module
>124–132 lm/W in a Luminaire
CRI (Ra): 83 nominal, Up to 95 CRI Avail.
Power Factor >.920
Ambient Temp. Range: -4° to 122°F
L70 >50,000 hours
IP: LED Board - IP30, LED Driver - IP20
5 year warranty. See warranty page for details.

MAGNILUMEN
THE GAME CHANGER IN LED RETROFITTING

RETROFIT KITS INCLUDE:
• LED boards • LED Driver (Pwr Supply)
• Wiring Harness • Magnetic Mounting

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

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

Retail Packaging: Full-color box sleeve design with installation instructions

MUST SPECIFY IF ORDERING RETAIL PACKAGING *(Available only on kits listed in table below)*

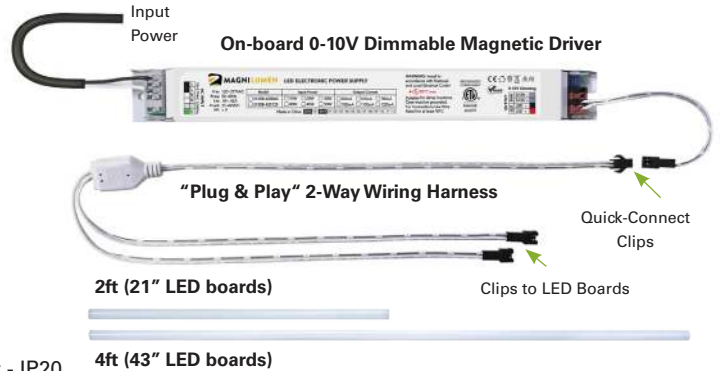| Part Number - (Available Colors)	Watt.	LED Strips	# of Drivers - Total Wattage	Color Temp (Must specify in part number)	Lumens (with / without) frosted diffuser lens on led boards		Certifications
					with	**without**	
MRK2430-(35k/40k/50k) *[Retail packaging]*	30W	2 x 4ft	1 - 30W	**35k** - 3500k	3600	4260	ETL/DLC Premium
MRK2440-(35k/40k/50k) *[Retail packaging]*	40W	2 x 4ft	1 - 40W	**40k** - 4000k	4800	5680	ETL/DLC Premium
MRK2450-(40k/50k) *[High Output] [Retail packaging]*	50W	2 x 4ft	1 - 50W	**50k** - 5000k	6000	7100	ETL/DLC Premium
MRK2220-(35k/40k/50k) *[Retail packaging]*	20W	2 x 2ft	1 - 20W		2400	2840	ETL/DLC Premium

CERTIFICATIONS: ETL, DLC Premium

RATED: Up to 100,000 Hours

APPLICATIONS:
2ft & 4ft Troffers
2ft, 4ft, 6ft & 8ft Channel Lights
2ft, 4ft & 8ft Surface Mount Fixtures
2x2, 2x4 & 2x8 ft Highbay Fixtures
2ft, 4ft, 6ft & 8ft Vapor Tight Fixtures
2x2 & 2x4 ft Direct & Indirect Fixtures

SPECIFICATIONS:
Input: 120/305VAC
Luminous Efficiency:
>145 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
Ambient Temperature Range:
-4° to 122°F
L70 >50,000 hours
IP: LED Board - IP30, LED Driver - IP20
5 year warranty.
See warranty page for details.

Input Power

On-board 0-10V Dimmable Magnetic Driver

"Plug & Play" 2-Way Wiring Harness

Quick-Connect Clips

2ft (21" LED boards)

Clips to LED Boards

4ft (43" LED boards)

RETROFIT KITS INCLUDE:
- LED boards
- LED Driver (Power Supply)
- Wiring Harness
- Magnetic Mounting

4FT RETROFIT SPECIFICATIONS - 43" *(Economy packaging)*

Part Number - (Color)	Watt.	LED Strips	# of Drivers - Total Wattage	Color Temp (Must specify in part number)	Lumens (with / without) frosted diffuser lens on led boards		Certifications
					with	without	
MRK1410-(30k/35k/40k/50k)	10W	1 x 4ft	1 - 10W		1200	1420	ETL/DLC Premium
MRK1420-(30k/35k/40k/50k)	20W	1 x 4ft	1 - 20W		2400	2840	ETL/DLC Premium
MRK2420-(30k/35k/40k/50k)	20W	2 x 4ft	1 - 20W		2400	2840	ETL/DLC Premium
MRK2430-(30k/35k/40k/50k)	30W	2 x 4ft	1 - 30W	30k - 3000k	3600	4260	ETL/DLC Premium
MRK2440-(30k/35k/40k/50k)	40W	2 x 4ft	1 - 40W	35k - 3500k	4800	5680	ETL/DLC Premium
MRK2450-(30k/35k/40k/50k) *[High Output]*	50W	2 x 4ft	1 - 50W	40k - 4000k	6000	7100	ETL/DLC Premium
MRK3430-(30k/35k/40k/50k)	30W	3 x 4ft	1 - 30W	50k - 5000k	3600	4260	ETL/DLC Premium
MRK3440-(30k/35k/40k/50k)	40W	3 x 4ft	1 - 40W		4800	5680	ETL/DLC Premium
MRK3450-(30k/35k/40k/50k) *[High Output]*	50W	3 x 4ft	1 - 50W		6000	7100	ETL
MRK4450-(30k/35k/40k/50k) *[High Output]*	50W	4 x 4ft	1 - 50W		6000	7100	ETL

2FT RETROFIT SPECIFICATIONS - 21" *(Economy packaging)*

Part Number - (Color)	Watt.	LED Strips	# of Drivers - Total Wattage	Color Temp	Lumens with	Lumens without	Certifications
MRK1210-(30k/35k/40k/50k)	10W	1 x 2ft	1 - 10W		1200	1420	ETL/DLC Premium
MRK2220-(30k/35k/40k/50k)	20W	2 x 2ft	1 - 20W	30k - 3000k	2400	2840	ETL/DLC Premium
MRK3220-(30k/35k/40k/50k)	20W	3 x 2ft	1 - 20W	35k - 3500k	2400	2840	ETL/DLC Premium
MRK3230-(30k/35k/40k/50k)	30W	3 x 2ft	1 - 30W	40k - 4000k	3600	4260	ETL/DLC Premium
MRK4230-(30k/35k/40k/50k)	30W	4 x 2ft	1 - 30W	50k - 5000k	3600	4260	ETL
MRK4240-(30k/35k/40k/50k)	40W	4 x 2ft	1 - 40W		4800	5680	ETL
MRK4250-(30k/35k/40k/50k) *[High Output]*	50W	4 x 2ft	1 - 50W		6000	7100	ETL

ORDERING GUIDE: *Example part number -* **MRK3450-50k**

SERIES	BOARD QTY	BOARD LENGTH	WATT.	COLOR TEMP
MRK	1 - BOARD 2 - BOARDS 3 - BOARDS 4 - BOARDS	F15 - 16 IN 2 - 2 FT 3 - 3 FT 4 - 4 FT 5 - 5 FT	5 10 20 30 40 50	30k - 3000k 35k - 3500k 40k - 4000k 45k - 4500k 50k - 5000k

*4500 Kelvin **(45k)** and 6000 Kelvin **(60k)** kits available by special order - minimum order quantity may apply*

Standard Kits come with all necessary components. Example: MRK3450-50k
Includes 3-way harness, LED driver, 3 sets of Mag-No-Hook mounting pieces & frosted lens

Only specify "Special Order Options" in part number
Example part number: MRK3450-50k-**Harness-3-way-EXT**

HARNESS	MOUNTING		DIFFUSER LENS
Harness-1-way-Ext	Mag-Hook	No-Mag-No-Hook	Clear
Harness-3-way-Ext	No-Mag-Hook-Only	End-Tab	None
Harness-4-way-Ext			

**Magnilumen Magnetic LED
Fluorescent Retrofit Kits - Cont'd**
Odd Lengths & Specialty Colors
**JOB PACKS
PRODUCT DATASHEET**
Updated 01/03/2018

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RETROFIT KITS INCLUDE: • LED boards • LED Driver (Power Supply) • Wiring Harness • Magnetic Mounting

Part Number - (Color) (Economy packaging)	Watt.	LED Strips	# of Drivers - Total Wattage	Color Temp (Must specify in part number)	Lumens (with / without) frosted diffuser lens on led boards		Certifications
					with	**without**	
16IN RETROFIT SPECIFICATIONS -16" *(F15 LAMP REPLACEMENT)*							
MRK-1-F15-5W-(40k/50k)	5W	1 x 16in	1 - 5W	**40k** - 4000k **50k** - 5000k	600	710	ETL
MRK-2-F15-10W-(40k/50k)	10W	2 x 16in	1 - 10W		1200	1420	ETL
3FT RETROFIT SPECIFICATIONS - 31"							
MRK1310-(30k/35k/40k/50k)	10W	1 x 3ft	1 - 10W	**30k** - 3000k **35k** - 3500k **40k** - 4000k **50k** - 5000k	1200	1420	
MRK2320-(30k/35k/40k/50k)	20W	2 x 3ft	1 - 20W		2400	2840	ETL
MRK3320-(30k/35k/40k/50k)	20W	3 x 3ft	1 - 20W		2400	2840	ETL
MRK3330-(30k/35k/40k/50k)	30W	3 x 3ft	1 - 30W		3600	4260	ETL
MRK3340-(30k/35k/40k/50k)	40W	3 x 3ft	1 - 40W		4800	5680	ETL
MRK4350-(30k/35k/40k/50k) *[High Output]*	50W	4 x 3ft	1 - 50W		6000	7100	ETL
5FT RETROFIT SPECIFICATIONS - 58"							
MRK1520-(30k/35k/40k/50k)	20W	1 x 5ft	1 - 20W	**30k** - 3000k **35k** - 3500k **40k** - 4000k **50k** - 5000k	2400	2840	ETL
MRK1530-(30k/35k/40k/50k)	30W	1 x 5ft	1 - 30W		3600	4260	ETL
MRK2530-(30k/35k/40k/50k)	30W	2 x 5ft	1 - 30W		3600	4260	ETL
MRK2540-(30k/35k/40k/50k)	40W	2 x 5ft	1 - 40W		4800	5680	ETL
MRK2550-(30k/35k/40k/50k) *[High Output]*	50W	2 x 5ft	1 - 50W		6000	7100	ETL
MRK3540-(30k/35k/40k/50k)	40W	3 x 5ft	1 - 40W		4800	5680	ETL
MRK3550-(30k/35k/40k/50k) *[High Output]*	50W	3 x 5ft	1 - 50W		6000	7100	ETL
MRK4550-(30k/35k/40k/50k) *[High Output]*	50W	4 x 5ft	1 - 50W		6000	7100	ETL

Part Number - (Color) (Economy packaging)	Watt.	LED Strips	# of Drivers - Total Wattage	Color Temp	Certifications
4FT SPECIALTY COLORS - 43"					
MRK2430-(60k/Red/Grn/Blue/Blk)	30W	2 x 4ft	1 - 30W	**60k** - 6000K **Red** - Red **Grn** - Green **Blue** - Blue **Blk** - Blacklight *(Must specify in part number)*	ETL *(6000K only)*
MRK2440-(60k/Red/Grn/Blue/Blk)	40W	2 x 4ft	1 - 40W		ETL *(6000K only)*
MRK3440-(60k/Red/Grn/Blue/Blk)	40W	3 x 4ft	1 - 40W		ETL *(6000K only)*
MRK3450-(60k/Red/Grn/Blue/Blk) *[High Output]*	50W	3 x 4ft	1 - 50W		ETL *(6000K only)*
MRK4450-(60k/Red/Grn/Blue/Blk) *[High Output]*	50W	4 x 4ft	1 - 50W		ETL *(6000K only)*
2FT SPECIALTY COLORS - 21"					
MRK2220-(60k/Red/Grn/Blue/Blk)	20W	2 x 2ft	1 - 20W		ETL *(6000K only)*
MRK3220-(60k/Red/Grn/Blue/Blk)	20W	3 x 2ft	1 - 20W		ETL *(6000K only)*
MRK3230-(60k/Red/Grn/Blue/Blk)	30W	3 x 2ft	1 - 30W		ETL *(6000K only)*
MRK4230-(60k/Red/Grn/Blue/Blk)	30W	4 x 2ft	1 - 30W		ETL *(6000K only)*

ORDERING GUIDE: *Example part number -* **MRK3450-50k**

Note Specialty colors (Red, Grn, Blue, Blk) efficacy: 20 Lumens per watt

SERIES	BOARD QTY	BOARD LENGTH	WATTAGE	COLOR TEMP
MRK	1 - BOARD 2 - BOARDS 3 - BOARDS 4 - BOARDS	F15 - 16 IN 2 - 2 FT 3 - 3 FT	5 30 10 40 20 50	**Red** - Red **Grn** - Green **Blue** - Blue **Blk** - Blacklight 30k - 3000k 35k - 3500k 40k - 4000k 45k - 4500k 50k - 5000k 60k - 6000k

Special sizes and colors available minimum order quantity may apply.

Specialty Colors - 3 year limited warranty

4500 Kelvin (45k) and 6000 Kelvin (60k) kits available by special order - minimum order quantity may apply

Standard Kits come with all necessary components.
Example: MRK3450-50k Includes 3-way harness, LED driver, 3 sets of Mag-No-Hook mounting pieces & frosted lens

Only specify "Special Order Options" in part number
Example part number: MRK3450-50k-**Harness-3-way-EXT**

HARNESS	MOUNTING		DIFFUSER LENS
Harness-1-way-Ext Harness-3-way-Ext Harness-4-way-Ext	Mag-Hook No-Mag-Hook-Only	No-Mag-No-Hook End-Tab	Clear None

Input Power

On-board 0-10V Dimmable Magnetic Driver

"Plug & Play" 2-Way Wiring Harness

Quick-Connect Clips

Clips to LED Boards

STANDARD DRIVERS
0-10V Dimmable, Magnetic Backing for quick mounting w/ holes for optional Tek Screw attachment. Driver Dimensions: 10.94"L x 1.12"W x 0.88"H

Driver-10W	10W Dimmable Driver	**Driver-40W**	40W Dimmable Driver
Driver-20W	20W Dimmable Driver	**Driver-50W**	50W Dimmable Driver
Driver-30W	30W Dimmable Driver		

Triac dimming coming soon! See website for more information.

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

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

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 (Special Order) Connects 1 LED board to 1 driver, has 8 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-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 Connects 4 led boards to 1 driver Lead from driver connection to splitter: 11.00"; 4 board leads: each 11.75"

Harness-4-way-Ext Connects 4 led boards to 1 driver 2 board leads: each 11.75", 2 board leads: 72.00"

REMOVABLE DIFFUSER LENS

Frosted (Standard)
Clear (Special Order)
None (Special Order)

High Output Kit with 60W Driver available - Special Order - *minimum quantities may apply*

MRK3460-(30k/35k/40k/50k) - Three 4ft boards
MRK4460-(30k/35k/40k/50k) - Four 4ft boards

MRK2560-(30k/35k/40k/50k) - Two 5ft boards
MRK3560-(30k/35k/40k/50k) - Three 5ft boards
MRK4560-(30k/35k/40k/50k) - Four 5ft boards

Lumens (with / without) Frosted diffuser lens on led boards	
with	**without**
7200 lm	8520lm

STANDARD MOUNTING **Mag-No-Hook** (Standard) Clip with Magnet. Magnetic attachment only.

Comes with all kits unless other mounting specified

MOUNTING OPTIONS *(2 pcs supplied per LED board)* **Must specify in part number if required**

Mag-Hook	Clip with Magnet and Tab Feet for optional TekScrew attachment	**No-Mag-No-Hook**	Clip with center hole for TekScrew attachment - NOT Magnetic
No-Mag-Hook-Only	Tab Feet for TekScrew attachment - NOT Magnetic	**End-Tab**	Attaches to ends of LED board. Tab with hole for optional TekScrew attachment -

ORDERING GUIDE: *Example part number - MRK3450-50k*

SERIES	BOARD QTY	BOARD LENGTH	WATT.	COLOR TEMP
MRK	1 - BOARD 2 - BOARDS 3 - BOARDS 4 - BOARDS	F15 - 16 IN 2 - 2 FT 3 - 3 FT 4 - 4 FT 5 - 5 FT	5 10 20 30 40 50	30k - 3000k 35k - 3500k 40k - 4000k 45k - 4500k 50k - 5000k

4500 Kelvin (45k) and 6000 Kelvin (60k) kits available by special order - minimum order quantity may apply

Standard Kits come with all necessary components. Example: MRK3450-50k
Includes 3-way harness, LED driver, 3 sets of Mag-No-Hook mounting pieces & frosted lens

Only specify "Special Order Options" in part number
Example part number: MRK3450-50k-**Harness-3-way-EXT**

HARNESS	MOUNTING		DIFFUSER LENS
Harness-1-way-Ext Harness-3-way-Ext Harness-4-way-Ext	Mag-Hook No-Mag-Hook-Only	No-Mag-No-Hook End-Tab	Clear None