

Project:	
Type:	
Catalog #:	

CERTIFICATIONS: ETL, DLC Premium



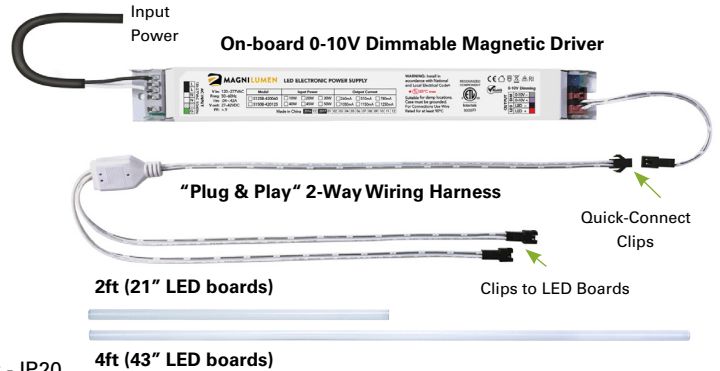
RATED: Up to 100,000 Hours

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 VaporTight 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.



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 Wattag	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)

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	F15 - 16 IN	5	30k - 3000k
	2 - BOARDS	2 - 2 FT	10	35k - 3500k
	3 - BOARDS	3 - 3 FT	20	40k - 4000k
	4 - BOARDS	4 - 4 FT	30	45k - 4500k
		5 - 5 FT	40	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	Clear
Harness-3-way-Ext	No-Mag-Hook-Only	None
Harness-4-way-Ext	No-Mag-No-Hook End-Tab	

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

Part Number - (Color) (Economy)	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		600	710	ETL
MRK-1-F15-10W-(40k/50k)	10W	1 x 16in	1 - 10W	40k - 4000k	1200	1420	ETL
MRK-2-F15-10W-(40k/50k)	10W	2 x 16in	1 - 10W	50k - 5000k	1200	1420	ETL
MRK-2-F15-20W-(40k/50k)	20W	2 x 16in	1 - 20W		2400	2840	ETL
3FT RETROFIT SPECIFICATIONS - 31"							
MRK1310-(30k/35k/40k/50k)	10W	1 x 3ft	1 - 10W		1200	1420	ETL
MRK2320-(30k/35k/40k/50k)	20W	2 x 3ft	1 - 20W	30k - 3000k	2400	2840	ETL
MRK3320-(30k/35k/40k/50k)	20W	3 x 3ft	1 - 20W	35k - 3500k	2400	2840	ETL
MRK3330-(30k/35k/40k/50k)	30W	3 x 3ft	1 - 30W	40k - 4000k	3600	4260	ETL
MRK3340-(30k/35k/40k/50k)	40W	3 x 3ft	1 - 40W	50k - 5000k	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		2400	2840	ETL
MRK1530-(30k/35k/40k/50k)	30W	1 x 5ft	1 - 30W	30k - 3000k	3600	4260	ETL
MRK2530-(30k/35k/40k/50k)	30W	2 x 5ft	1 - 30W	35k - 3500k	3600	4260	ETL
MRK2540-(30k/35k/40k/50k)	40W	2 x 5ft	1 - 40W	40k - 4000k	4800	5680	ETL
MRK2550-(30k/35k/40k/50k) [High Output]	50W	2 x 5ft	1 - 50W	50k - 5000k	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		ETL (6000K only)
MRK2440-(60k/Red/Grn/Blue/Blk)	40W	2 x 4ft	1 - 40W	60k - 6000K	ETL (6000K only)
MRK3440-(60k/Red/Grn/Blue/Blk)	40W	3 x 4ft	1 - 40W	Red - Red	ETL (6000K only)
MRK3450-(60k/Red/Grn/Blue/Blk) [High Output]	50W	3 x 4ft	1 - 50W	Grn - Green	ETL (6000K only)
MRK4450-(60k/Red/Grn/Blue/Blk) [High Output]	50W	4 x 4ft	1 - 50W	Blue - Blue	ETL (6000K only)
2FT SPECIALTY COLORS - 21"					
MRK2220-(60k/Red/Grn/Blue/Blk)	20W	2 x 2ft	1 - 20W	Blk - Blacklight	ETL (6000K only)
MRK3220-(60k/Red/Grn/Blue/Blk)	20W	3 x 2ft	1 - 20W	(Must specify in part number)	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	F15 - 16 IN	5 30	Red - Red
	2 - BOARDS	2 - 2 FT	10 40	Grn - Green
	3 - BOARDS	3 - 3 FT	20 50	Blue - Blue
	4 - BOARDS	4 - 4 FT		Blk - Blacklight
	4 - BOARDS	5 - 5 FT		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

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

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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"

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:	20W (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)

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

with boards	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 - NOT Magnetic



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

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

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