

MAGNETIC RETROFIT STRIP LIGHT

TK-MRS™ Series

Description

Tektron's TK-MRS Series 4ft LED Retrofit strip deliver up to 130 LPW while achieving an exceptional CRI of 80+. This innovative, commercial-grade kit is designed specifically for retrofitting existing troffers and linear strip luminaires. The system seamlessly updates outdated fixtures to high-efficiency LED technology via integrated magnetic mounts, delivering significant energy savings and prolonged life without the added renovation labor, waste, or hassle.



Application

An ideal solution for upgrading or replacing old fluorescent tubes in high-traffic environments such as commercial offices, school classrooms, workshops, warehouses, retail shops, and other industrial linear lighting configurations.

Quick Ship

TK-MRS-4FT-2S-40W-40K
 TK-MRS-4FT-2S-60W-50K
 TK-MRS-4FT-2S-80W-35K



Specifications Features

Housing / Dimming

Compatible with 0-10V dimming systems for brightness control. Constructed from rigid, T7 size aluminum with high-performance LED boards. Features a diffuse acrylic lens that increases visual uniformity.

Warranty

5 Years Limited Warranty.
 For more information visit us at,
<https://www.tektronled.com/warrantyinfo>

Certifications

It complies with ETL Listed for damp location environments, RoHS compliant, and DLC Premium qualification.

Installation and Mounting

Features an ultra-fast, tool-less universal magnetic design applied directly to both the LED strips and the driver, allowing a complete upgrade inside an existing fixture body in under 3 minutes.

Ordering Information

Example: TK-MRS-4FT-2S-80W-40K-MS-DUV

TK	MRS	4FT	2S	80W	40K	MS	DUV
Brand	Series	Size	Strips	Wattage	Color Temp	Accessories	Input Voltage
TK-Tek-Tron	MRS-Magnetic Retrofit Strip Kits	4FT - 4 Feet	2S - 2 Strips	20W - 20 Watts 30W - 30 Watts 40W - 40 Watts 60W - 60 Watts 80W - 80 Watts	30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	Blank - Non MS - Motion Sensor EM - Emergency Backup B - Emergency + Microwave	UV - 120-277V Dimming D - 0-10V Dimming

MAGNETIC RETROFIT STRIP LIGHT

TK-MRS™ Series

Specification Features

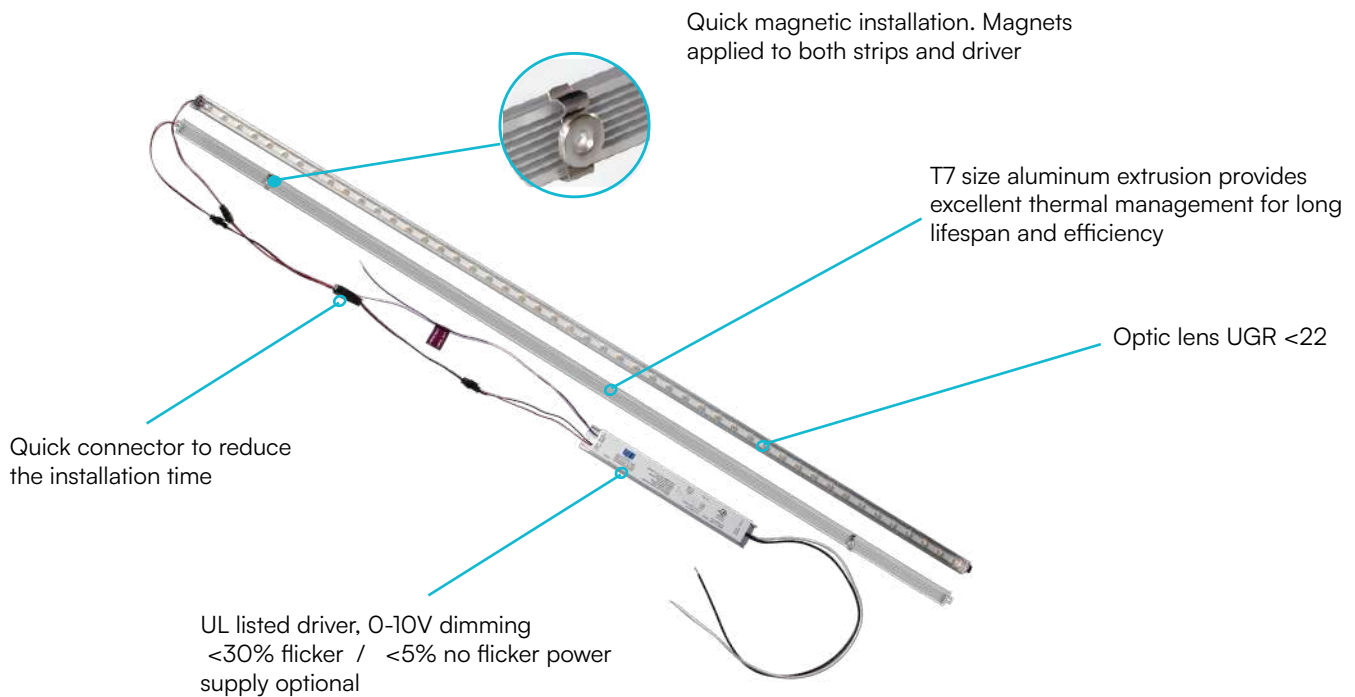
Input Voltage	AC120-277V, 50-60Hz
Lumen Efficiency	130 lm/W
Color Temperature	30K / 35K / 40K / 50K
Color Rendering Index (CRI)	>80
Dimming	0-10V Dimming
Working Temperature	-25°C to 50°C
UGR	< 22
Power Factor	>0.9
Flicker Rate	< 30% standard
Life Span	50,000 hrs

Dimensions



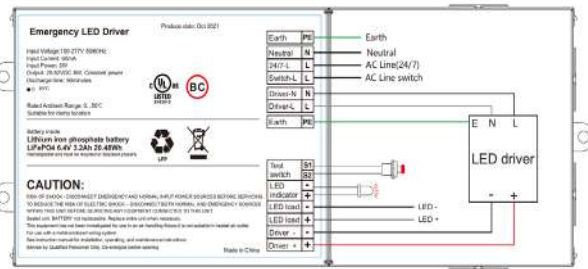
Part Number	Length (L)	Width (W)	Height (H)
TK-MRS-4FT-2S	45.59 inch	0.97 inch	0.87 inch

Product Info-Graphic



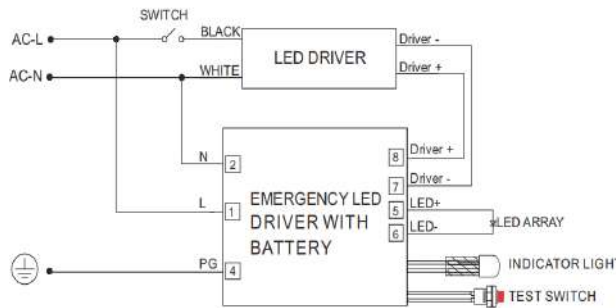
External

A silver, rectangular electronic device, likely a power supply or amplifier, with various ports and labels. It has a yellow label on the left side and a circular port on the right side. The top surface has several labels and a small circular indicator.



- UL Listed for dry locations.
- For use on a wide range of LED fittings to convert them from standard to emergency fitting.
- Additional Relay that can control standard LED driver.
- Deep discharge protection.
- Ambient range ta 0...50. •
- IP20 protection.

8WEM = Emergency backup 8W



- Meet most of safety standards for lighting
- Standard CSA C22.2 NO.141• UL924
- External lithium battery
- Battery protections over charge protection over discharge protection short circuit protection
- Indicator shows a variety working modes
- The batteries Meet 500 cycles of standard CH and standard DCH
- RoHS compliant
- Emergency 1.5H

Power supply	12V-24V DC,>50mA
HF System	5.8GHz±75MHz
Dim control output	0-10V,max.25mA sinking current
Detection radius/angle	Max 17ft. (5.2m)/360°
Mounting height	Max 13ft(4m)
Remote range	50ft. (15m)indoor,no backlight
Humidity	Max.95%RH
Temperature	-40F~ 158°F(-40. ~70°C)

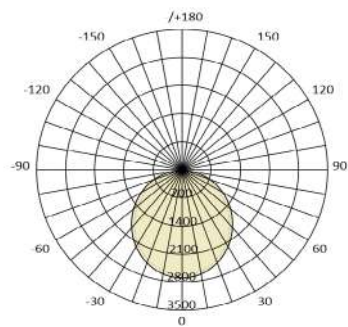


Sensor Remote Programmer

Input Voltage	DC 12V
Input Power	0.1W
Housing Material	UL 94-VO
Detection Range	20-40ft (depending on mounting height)
Mounting Height	8-20ft
Indoor/Outdoor Use	Indoor
Operating Temperature	-30°C to 55°C, -22°F to 131°F
Storage Temperature	-30°C to 85°C, -22°F to 185°F
IP Rating	IP20

- Microwave occupancy sensor supports setting a delay time and bi-level dimming of sensors through the app.
- Magnet mount for simple installation and flexible positioning

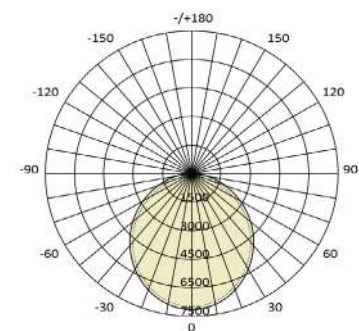
Product Info-Graphic



Y	M	QR	VM	NPR	NUM
NM	3046	3042	3036	3030	3025
OM	2878	2873	2852	2842	2799
PM	2501	2479	2452	2423	2378
QM	1777	1708	1584	1611	1527
RM	268.4	373.7	348.3	318.5	187.1
SM	47.21	80.75	104.1	84.40	58.75
TM	19.62	33.34	56.63	36.70	18.01
UM	48.85	44.46	24.76	11.46	25.65
VM	0.7634	0.6744	0.2641	0.0558	0.0515
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M NM	291.4	291.4
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OM PM	1234	2364
PM QM	1307	3671
QM RM	702.8	4374
RM SM	135.3	4510
SM TM	57.78	4567
TM UM	26.40	4594
UM VM	7.082	4601

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85	676	1108
80	3913	1978
75	807	2121
70	717	2298
65	827	2520
60	1313	2890
55	2174	3775
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Installation

An installer can simply remove the old fluorescent tubes, disconnect the existing ballast, connect the driver for the magnetic tubes to power, and place the magnet side of the driver onto the fixture. Magnetic tubes can then simply be placed in the fixture using built-in magnetic mounts and connected to driver to finish the installation.

This type of installation saves time and money, doesn't require the installer to know what kind of ballast or or bulb type the original fixture uses, while also providing bright, efficient, high CRI lighting

