



16", 2', 3', 4' and 5' LED Magnetic Retrofit Kits

Magnilumen Plus™ LX is designed to retrofit fluorescent fixtures Controlled by a Lutron® controls system.
Kits are easy to install and fit into almost any existing linear fluorescent fixture with onboard magnets.



Upgrade existing Lutron® dimming fluorescent

- Lutron® compatibility between installed control system and existing fixture
- EcoSystem® digital control - dims down to 1%
- Keep existing fixtures, controls, sensors & programming capability



University/Schools



Commercial Offices



Healthcare



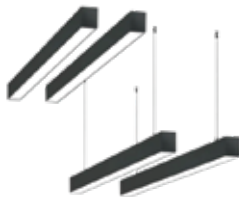
Government

LUMENS

Wattage	Frosted Lens 150 lm/W	Clear Lens 170 lm/W	No Lens 180 lm/W
20W	3,000	3,400	3,600
30W	4,500	5,100	5,400
40W	6,000	6,800	7,200
50W	7,500	8,500	9,000
60W	9,000	10,200	10,800

WATTAGE	Wattage fixed drivers: 20W, 30W, 40W 50W = (2) x 25W 60W = (2) x 30W
COLOR TEMPS	27K, 30K, 35K, 40K, 50K, 65K Optional: CSK 35/40/50K MagniBlend * Specialty Colors - Contact Factory
EFFICACY	150 lm/W with Frosted Lens 170 lm/W with Clear Lens 180 lm/W with No Lens
VOLTAGE INPUT	120/277V
DRIVER OUT VOLTAGE	27-42VDC
CRI	80+ (standard); 90+ (special order)
DIMMING	LUTRON® 3-Wire Dimming; Ecosystem® Dimming
AMBIENT TEMP	-20 to 50C; -40 to 122F
SURGE PROTECTION	2KV
RATED	IP20 for damp location
WARRANTY	7 year
LED LIFESPAN	100,000 hours Standard Products

Most Common Fixture Types



Direct/Indirect Pendants



Recessed/Slot



1x4, 2x2, 2x4 Parabolic/
Diffused/Architectural Troffers



Fluorescent Fixtures



Direct/Indirect



Cove & Ambient Lighting

MAGNILUMEN PLUS™ LX KIT



- Magnetic LED bars
 - Driver
 - Color Options: MagniBlend
 - 24" harness
 - Screws
- (27K, 30K, 35K, 40K, 50K, 65K
Optional: CSK 35/40/50K)



LUMEN OUTPUT

- 150 lm/W- Frosted Lens
- 170 lm/W- Clear Lens
- 180 lm/W- with No Lens



CSK

- Toolless color temperature selectable option on harness via switch.
- 35K, 40K, 50K options available.



INSTALLATION MADE EASIER

- Onboard magnets on LED bars designed for quick and easy installation.
- Mounting brackets for screw mounting (where applicable).

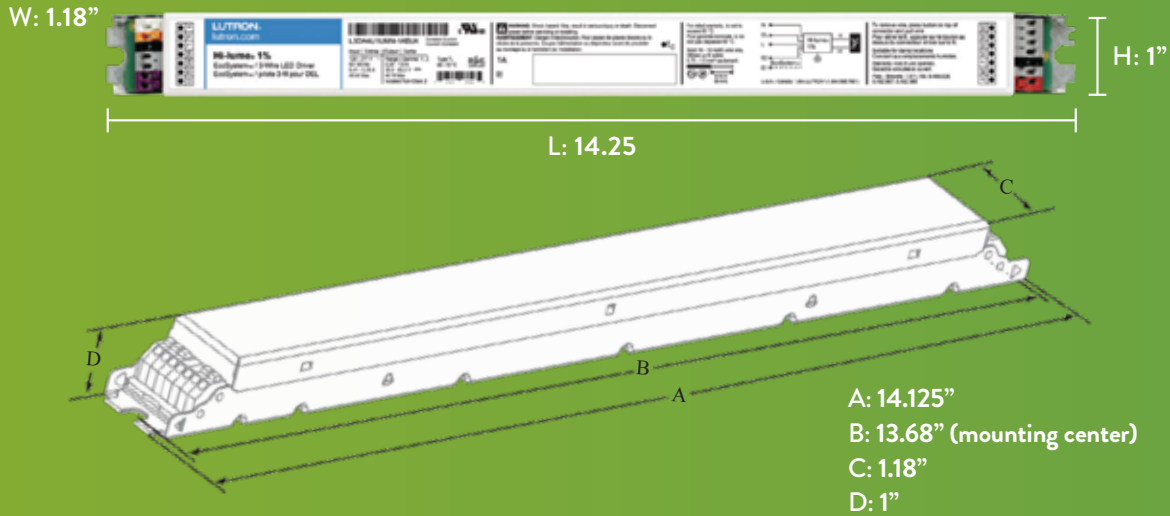
PART BUILDER

MRK	# of Bars	Length of Bar	Kit Wattage	Color Temp	PLUS-LX	Lutron®	Options
	1 2 3 4	16 = 16 in 2 = 2 ft (21.06 in) 3 = 3 ft (30.91 in) 4 = 4 ft (42.91 in) 5 = 5 ft (58 in)	20 = 20W Driver 30 = 30W Driver 40 = 40W Driver 50 = (2) x 25W 60 = (2) x 30W Max wattage per bar by length 16" - 10W Max 2 ft. - 15W Max 3 ft. - 22W Max 4 ft. - 30W Max 5 ft. - 38W Max	27K = 2700K 30K = 3000K 35K = 3500K 40K = 4000K 50K = 5000K 65K = 6500K CSK = 35/40/50K BL = MAGNIBLEND * Specialty Colors - Contact Factory		LUTRON-E1 = Hi-Lume® 1% ECOSYSTEM LUTRON = Includes Lutron® Hi-Lume® 1% ECOSYSTEM® 3 Wire Driver	90CRI = HIGH CRI CL = CLEAR LENS EM = EMERGENCY BATTERY BACKUP

DIMENSIONS



DRIVER DIMENSIONS



OPTIONAL MOUNTING HARDWARE

MAGNETS FOR DIRECTIONAL USE

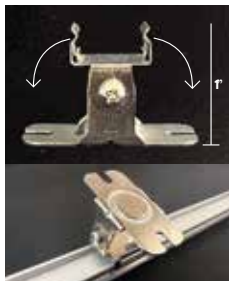
45 Degree Angle Magnet

PART NUMBER:
MAG-NO-HOOK-45DEG



Magnet with Hook (adjustable 0-180 degrees)

PART NUMBER:
MAG-HOOK-ADJUSTABLE



MOUNTING MAGNETS AND HARDWARE

Magnet with Hook

PART NUMBER:
MAG-HOOK



Clip with No Magnet, No Hook

PART NUMBER:
NO-MAG-NO-HOOK



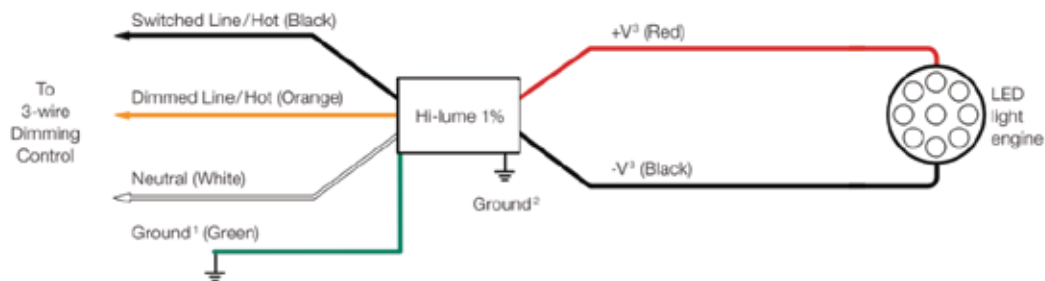
No Hook Magnet

PART NUMBER:
MAG-NO-HOOK

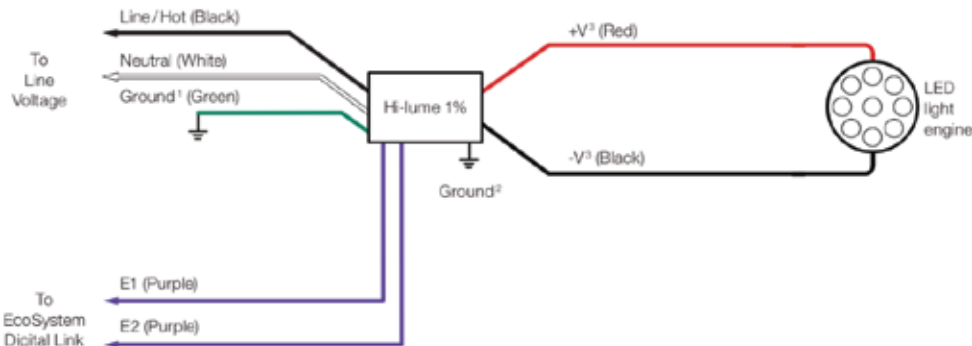


All Magnilumen Plus™ LX LED Bars come with onboard magnets and self-drilling screws standard. Additional mounting magnets and hardware available.

WIRING DIAGRAM - LUTRON®



WIRING DIAGRAM - LUTRON® E1



OPTIONS – HARNESSES

A 2-Way harness is standard with kits but unique situations might require a special harness. 1, 3, and 4-Way harness options are available.

PLUG & PLAY HARNESSES & EXTENSIONS

1-WAY HARNESS – Connects 1 LED bar to 1 driver

PART NUMBER: HARNESS-1-WAY-12IN

Connects 1 LED bar to 1 driver.

PART NUMBER: HARNESS-1-WAY-16IN

Connects 1 LED bar to 1 driver.

PART NUMBER: HARNESS-1-WAY-24IN

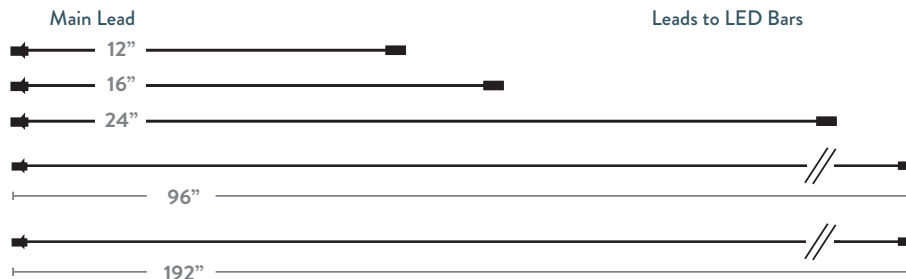
Connects 1 LED bar to 1 driver.

PART NUMBER: HARNESS-1-WAY-8FT

Connects 1 LED bar to 1 driver, with an 8 ft extension on driver end

PART NUMBER: HARNESS-1-WAY-16FT

Connects 1 LED bar to 1 driver, with a 16 ft extension on driver end



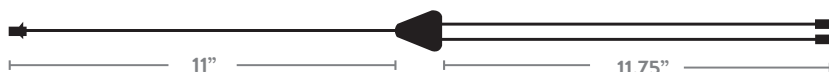
2-WAY HARNESS (STANDARD) – Connects 2 LED bars to 1 driver

PART NUMBER: HARNESS-2-WAY

Lead from driver connection to splitter: 11.00"; 2 leads to bars: each 11.75"

PART NUMBER: HARNESS-2-WAY-OPT

Lead from driver connection to splitter: 11.00"; 2 leads to bars: each 11.75"



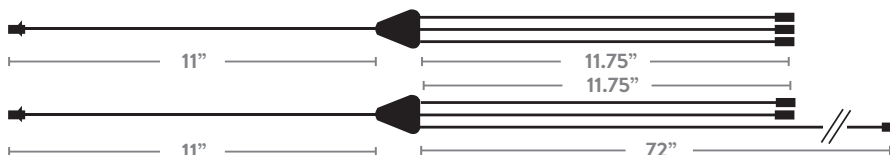
3-WAY HARNESS – Connects 3 LED bars to 1 driver

PART NUMBER: HARNESS-3-WAY

Lead from driver connection to splitter: 11.00"; 3 leads to bars: each 11.75"

PART NUMBER: HARNESS-3-WAY-EXT (2 short, 1 long)

Has 6 ft extension on driver end. Lead from driver connection to splitter: 11.00"; 2 leads to bars: each 11.75"; 1 lead to bars: 72.00"



4-WAY HARNESS – Connects 4 LED bars to 1 driver

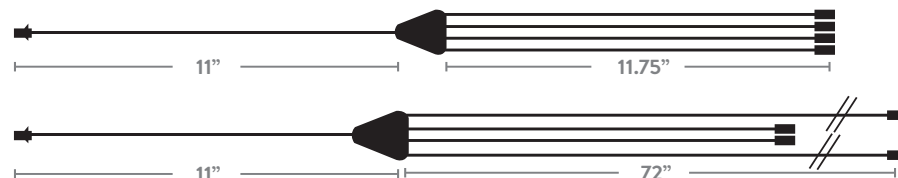
PART NUMBER: HARNESS-4-WAY

Lead from driver connection to splitter: 11.00"; 4 leads to bars: each 11.75"

PART NUMBER: HARNESS-4-WAY-2-WAY-EXT

(2 long, 2 short)

2 leads have 6 ft extension. Lead from driver connection to splitter: 11.00"; 2 leads to bars: each 11.75"; 2 leads to bars: 72.00"



CSK SWITCH – PLUG & PLAY HARNESSES

Color Selectable Switch with Magnetic Back - 35/40/50K



PART NUMBER: HARNESS-2-WAY-CSK-SWITCH

Lead from driver connection to CSK switch: 11.00";
2 leads to bars: each 11.75"

PART NUMBER: HARNESS-2-WAY-4-WAY-CSK-SWITCH

Lead from driver connection to CSK switch: 11.00";
2 leads each to 4 bars: each 11.75"

PART NUMBER: HARNESS-4-WAY-CSK-SWITCH

Lead from driver connection to CSK switch: 11.00";
4 leads to bars: each 11.75"

