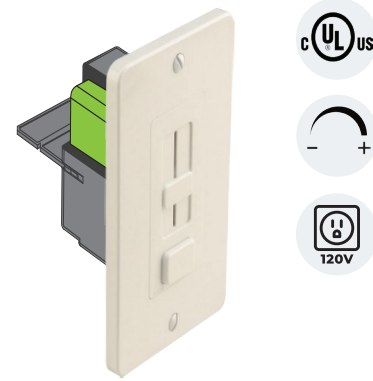


Switchex®

LED DRIVER + DIMMER IN ONE

SWITCHEX® is a dimmer with an integrated driver that converts 120VAC to either 12VDC or 24VDC. This means SWITCHEX® is all you need between your line voltage and low voltage LED lighting. Best of all, it fits in a standard electrical box.



SWITCHEX® solves two of the most common LED lighting challenges:

- Poor dimming performance that often results when a dimmer and LED driver are made by different manufacturers
- Finding a place to fit the LED driver



FEATURES

- First LED Driver + In-Wall Dimmer Switch in one unit
- Simplifies LED installation by eliminating compatibility issues between driver and dimmer
- Fits in a standard recessed electrical box
- 100% - 1% smooth dimming
- No minimum load
- Single pole preset dimmer with on/off push switch
- Adjustable voltage output dial to address voltage drop
- Includes voltage barrier partition to install high and low voltage circuit in same switch box
- No derating required when ganging units
- Power failure memory: If power is interrupted, SWITCHEX will return to setting prior to interruption

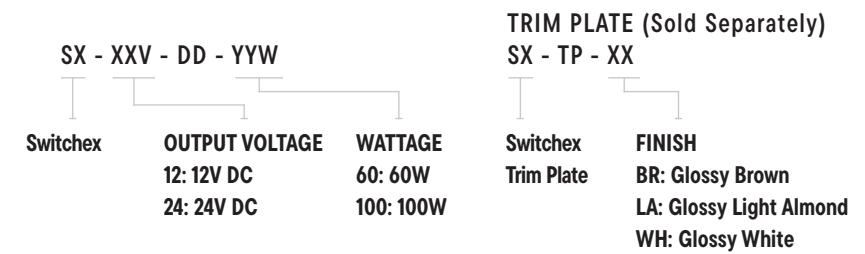
APPROVED FIXTURES

- 24V LED Fixtures
- HP strip series
 - eStrip
 - Globe light
 - Hard strip
- 12V LED Fixtures
- Disc light

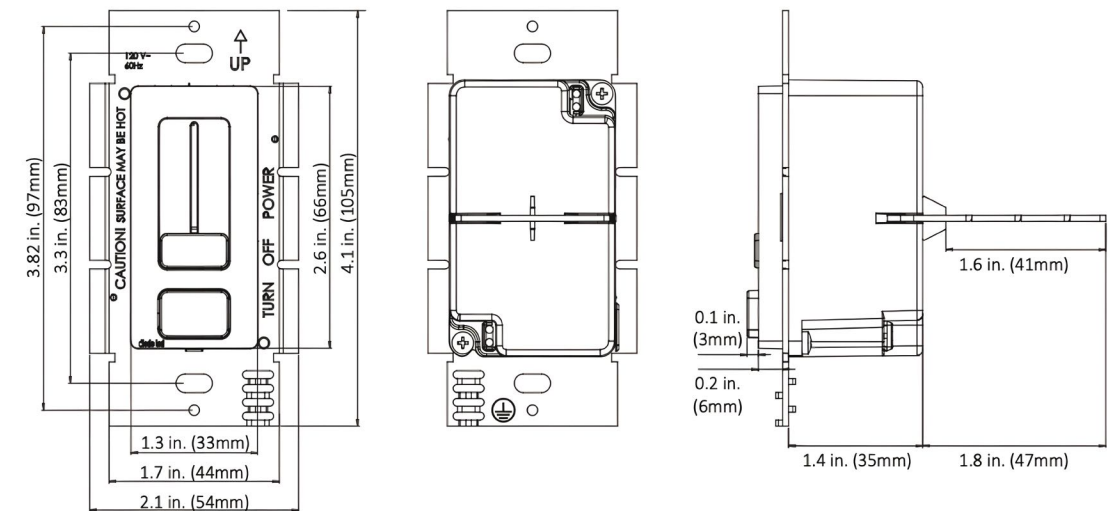
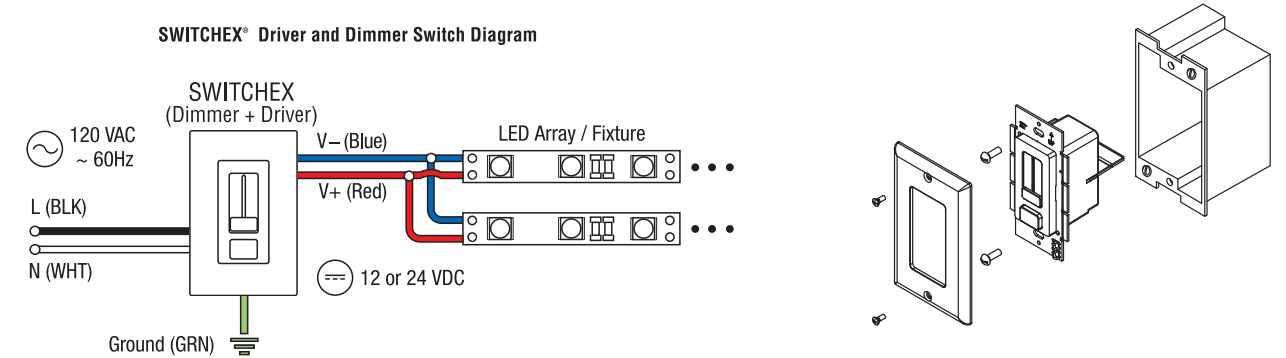
SPECIFICATIONS

Product Code		SX-12V-DD-60W	SX-24V-DD-100W
Electrical	Input Voltage	120V AC	
	Output Voltage	12V DC	24V DC
Specs	Max. Load	60W, 5A	100W, 4.2A
	Power Factor	>0.9 @ 120VAC 60Hz max load	
	Efficiency	≥91% @ 120VAC max load	
	Dimmable	Yes	
	Protections	Short circuit, thermal runaway, and over voltage	
	Mounting	Single-Gang Box	
	Connection Type	Hardwire	
Warranty	2 years		
Approvals	cULus, FCC, RoHS		

PRODUCT CODES



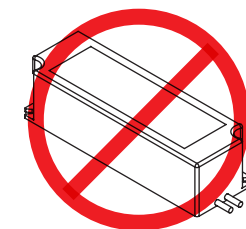
DIAGRAM



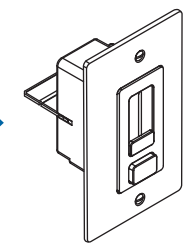
The Driver Is Inside

SWITCHEX® is all you need between your line voltage and low voltage LED lighting. The integrated driver converts 120VAC to either 12VDC or 24VDC and it fits in a standard electrical box.

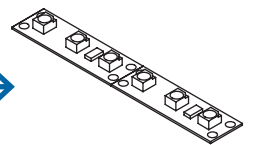
No Remote Driver Required



120V AC



SWITCHEX®
(Driver + Dimmer)



Low Voltage
Tape Light / Fixture

Dimmable Driver/Dimmer Compatibility List

Our dimmable LED drivers offer smooth brightness control, letting you adjust your LED lighting from fully lit (100%) to completely off (0%). These drivers are Class 2 certified and built to work with the majority of standard Magnetic Low Voltage (MLV) and Incandescent TRIAC (leading edge) dimmers. Trusted brands like Lutron and Leviton, prevalent in both residential and commercial settings, are compatible with our drivers, ensuring broad availability and ease of integration.

Note: Compatibility list may change without prior notice.

DIMMER COMPATIBILITY LIST				
DIMMER TYPE - LISTED	MLDRE-96-24-DM	MLDRE-40-24-DM	MLDRE-60-12-DM	MLDRE-20-12-DM
Lutron Caseta, Wireless PD-6WCL (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Maestro, Wireless MRF-2-6CL (MLV)	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%
Lutron Radio RA2 RRD-6ND (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Maestro MA-600 (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Leviton Decora Smart DW6HD (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Nova T NTLV-600 (MLV)	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%
Lutron Diva DVLV-600P (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Diva DVLV-103P (MLV)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Caseta, Wireless PD-10NXD	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Maestro MA-PRO (MLV Mode)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Radio RA2 RRD-PRO (MLV Mode)	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%
Lutron Caseta, Wireless PD-5NE (MLV Mode)	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Caseta , Smart Home Plug-in PD-3PCL	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Maestro MACL-153P	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Maestro MSC-1000M	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Toggle TGCL-153P	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Lutron Sunnata Touch STCL-153P	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Leviton Decora Smart DW1KD-1BZ	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Leviton Decora Digital DDMX1-BLZ	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%
Leviton Decora Slide DSM10	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%
Leviton Decora Slide DSO6-1LZ	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
GE Z-Wave Plus ZW3005	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
WeMo WiFi F7C059	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
TP-Link Kasa Smart HS220P3	Dims to 0%	Dims to 0%	Dims to 0%	Dims to 0%
Leviton Lumina RF DL1KD-1BZ (MLV)	Dims to 1%	Dims to 1%	Dims to 1%	Dims to 1%

LED Drivers

An LED driver is a specialized electrical device that manages power for an LED or groups of LEDs. Unlike standard power supplies, an LED driver adapts to the LED's changing requirements, ensuring it receives a consistent power supply as its electrical characteristics vary with temperature.

INDOOR NON-DIMMABLE DRIVERS	
LEDDR-12-20W-HW	LED Driver, 12V DC, 20W, hardwire, supplied in a junction box
MLDR-20-24JB	20W, 24V DC hardwire driver, supplied in a junction box

INDOOR/OUTDOOR NON-DIMMABLE DRIVERS	
LEDDR-12-60W	60W 12V DC, 5A Class 2 LED Driver, outdoor rated
MLDR-120-24	120W, 24V DC 2 circuits at 60W, outdoor rated hardwire driver

INDOOR/OUTDOOR DIMMABLE DRIVERS	
MLDRE-20-12-DM	Electronic LED Driver 20W, 12V DC, IP rated, dimmable
MLDRE-60-12-DM	Electronic LED Driver 60W, 12V DC, IP rated, dimmable
MLDRE-40-24-DM	Electronic LED Driver 40W, 24V DC, IP67 rated , dimmable
MLDRE-96-24-DM	Electronic LED Driver 96W, 24V DC, IP67 rated , dimmable
E-KO-SR	Wet Location Strain Relief for E Series Drivers, PG7, clamping range dia. 3-6.5mm



MLDR-20-24JB
LEDDR-12-20W-HW



LEDDR-12-60W



MLDR-120-24



MLDRE-20-12-DM
MLDRE-60-12-DM



MLDRE-40-24-DM
MLDRE-96-24-DM



E-KO-SR

LED Drivers Selector Chart

	Neon Flex	Strip Series†	Globe Light	Wedge Light
INDOOR NON-DIMMABLE DRIVERS				
LEDDR-12-20W-HW 12V, 20W, hardwire in junction box, Max. 20W	-	-	-	Max. 80 Globes
MLDR-20-24JB 24V, 20W, hardwire in junction box, Max. 20W	Max 7.3' (2.2m) LED Neon Flex	Max. recommended load 18W or 4' (1.22m) LED Strip Series 6' (1.83m) CCT Series	Max. 60 Globes	-
INDOOR/OUTDOOR NON-DIMMABLE DRIVERS				
LEDDR-12-60W 12V, 60W, hardwire, outdoor, Max. 60W	-	-	-	Max. 200 Globes
MLDR-120-24 24V, 120W, hardwire, outdoor, Max. 120W	Max 40' (12.1m) per single tap, Max 48' (14.6m) combined two secondary taps	Max. recommended load 90W or 20' (6.1m) per single tap, 120W or 27' (8.53m) combined two secondary taps. CCT series: 16' (4.88m) per single tap, 20'(6.1m) combined two secondary taps	Max. 180 Globes per single tap, max. 120 combined two secondary taps	-
INDOOR/OUTDOOR DIMMABLE DRIVERS				
MLDRE-20-12-DM†† 12V, 20W, hardwire, outdoor, dimmable, Max. 18W, Min. 10W	-	-	-	Max. 80 Globes
MLDRE-60-12-DM†† 12V, 60W, hardwire, outdoor, dimmable, Max. 54W, Min. 30W	-	-	-	Max. 200 Globes
MLDRE-40-24-DM†† 24V, 40W, hardwire, outdoor, dimmable, Max. 36W, Min. 20W	Max 14.5' (4.4m) Min 8 watts, 3.3' (1m) LED Neon Flex	LED Strip Series: Max. recommended load 36W or 8' (2.44m), Min. 8W or 2' (.61m)	Max. 80 Globes	-
MLDRE-96-24-DM†† 24V, 100W, hardwire, outdoor, dimmable, Max. 90W, Min. 50W	Max 40'(12.1m) Min 8 watts, 3.3' (1m) LED Neon Flex	LED Strip Series: Max. recommended load 90W or 20' (6.1m), Min. 8W or 2' (.61m)	Max. 180 Globes	-

	Hard Strip	eStrip	Disc Light	MiniDisc Light
INDOOR NON-DIMMABLE DRIVERS				
LEDDR-12-20W-HW 12V, 20W, hardwire in junction box, Max. 20W	-	-	Max. 6 LEDD	Max. 75 LEDMD
MLDR-20-24JB 24V, 20W, hardwire in junction box, Max. 20W	Max. recommended load 18W LED Hard Strip	Max. 18' (5.4m) LED eSTRIP Max. 8' (2.4m) HP LED eSTRIP	-	-
INDOOR/OUTDOOR NON-DIMMABLE DRIVERS				
LEDDR-12-60W 12V, 60W, hardwire, outdoor, Max. 60W	-	-	Max. 18 LEDD	Max. 200 LEDMD
MLDR-120-24 24V, 120W, hardwire, outdoor, Max. 120W	-	Max. 90' (27.43m) per single secondary tap, max. 120' (36.58m) combined two secondary taps. RGB eStrip & HP eStrip: 40' (12.1m) per single secondary tap, 50' (15.24m) combined secondary taps	-	-
INDOOR/OUTDOOR DIMMABLE DRIVERS				
MLDRE-20-12-DM†† 12V, 20W, hardwire, outdoor, dimmable, Max. 18W, Min. 10W	-	-	Max. recommended load 18W or 6 LEDD Min. recommended load 8W or 3 LED Disc Lights	Max. 75 LEDMD Min. recommended load 8W or 34 LED MiniDisc Lights
MLDRE-60-12-DM†† 12V, 60W, hardwire, outdoor, dimmable, Max. 54W, Min. 30W	-	-	Max. recommended load 54W or 18 LEDD Min. recommended load 8W or 3 LED Disc Lights	Max. 200 LEDMD Min. recommended load 8W or 34 LED MiniDisc Lights
MLDRE-40-24-DM†† 24V, 40W, hardwire, outdoor, dimmable, Max. 36W, Min. 20W	Max. recommended load 36W, Min. 8W LED Hard Strip	LED eStrip: Max. 37.5' (11.43m), Min. 8W, 9' LED eStrip (2.44m). High Power: Max. 18' (5.49m), Min. 4' (1.2m)	-	-
MLDRE-96-24-DM†† 24V, 100W, hardwire, outdoor, dimmable, Max. 90W, Min. 50W	Max. recommended load 90W, min. 8W LED Hard Strip	LED eSTRIP: Max. 90' (27.4m), Min. 8W, 9' LED eStrip (2.44m). High Power: Max. 40' (12.19m), Min. 4' (1.2m)	-	-

† NOTE: Above maximum and minimum lengths are for LP-5060-60 series. You may double these when using LP-5060-30 series)

†† MLDRE drivers require E-KO-SR for outdoor applications