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LUTRON DIMMERS

LUTRON DIMMERS			OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	Smart Dimmer	10W-20W	30W-120W	24W	60-200W	ALL
Lutron Ariadni	AYLV-600P		✓ ^{T24}	✓ ^{T24}	✓	X*	X*
Lutron Ariadni	AYCL-153P		✓ ^{T24}	✓ ^{T24}	✓	✓	X
Lutron Caseta	PD-6WCL	✓	X**	X**	✓	X	X*
Lutron Caseta	PD-5NE		X	X	✓	X	
Lutron Diva	DVELV-300P		✓ ^{T24}	✓ ^{T24}	✓	✓	X
Lutron Diva	DVCL-153-P		✓ ^{T24}	✓ ^{T24}	✓	✓	X
Lutron Diva	DV-600P		✓ ^{T24}	✓ ^{T24}	X**	X**	X
Lutron Diva	DVLV-600P		X**	✓ ^{T24}	✓	✓	✓***X3
Lutron Homeworks	HWD 6ND WH	✓	✓ ^{T24}	✓ ^{T24}	✓	✓	✓
Lutron Homeworks QS	HQRD 6ND	✓	✓ ^{T24}	✓ ^{T24}	✓	✓	✓
Lutron Maestro	MACL-153M		✓ ^{T24}	✓ ^{T24}	X	X	X
Lutron Maestro	MAELV-600		✓ ^{T24}	✓ ^{T24}	X	X	✓
Lutron Maestro	MRF2-6ND-120		✓ ^{T24}	✓ ^{T24}	✓	✓	✓
Lutron Maestro	MA-PRO		✓	✓	✓	✓	X
Lutron Nova T* CL	NTCL 250		✓ ^{T24}	✓ ^{T24}	✓	✓	X
Lutron Nova T	NTLV-603P		✓ ^{T24}	✓ ^{T24}	✓	✓	X*
Lutron Radio RA2	RRD-10ND	✓	✓ ^{T24}	✓ ^{T24}	✓	✓	✓
Lutron Radio RA2	RRD 6CL WH	✓	✓ ^{T24}	✓ ^{T24}	✓	✓	✓***B1
Lutron Skylar Contour	CTCL-153P		X**	X**	✓	✓	X
Lutron Verti	VT-1000MN		✓ ^{T24}	✓ ^{T24}	✓	✓	✓

Note: Above data does not include **every** dimmer available, only dimmers that have been tested in the Diode LED® laboratory are listed. Visit manufacturer's web site for additional information on individual dimmers, including availability, load limits, and dimming range. (ex. Lutron, Leviton, & Legrand)

Smart Dimmers include, but are not limited to dimmer switches that may be controlled using voice commands, remote controlled using a smart phone or internet connected devices, set up to display different scenes, or used for more complex event-based automation integrating several devices.

LEGEND

- ✓ - Compatible combination.
- ✓^{T24} - Compatible combination & Title 24 compliant.
- X - Incompatible combination.
- X* - Incompatible combination due to flicker.
- X** - Incompatible combination due to inconsistent dimming.
- ✓***B1 - Compatible combination, but flicker occurs when used in conjunction with Blaze Basics 100.
- ✓***X3 - Compatible combination, but flicker occurs when used in conjunction with Blaze X 300.

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LEVITON DIMMERS

LEVITON DIMMERS			OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	Smart Dimming	10W-20W	30W-120W	24W	60W-200W	ALL
Leviton Decora BT	DDL06-BLZ		✓	X**	✓ ^{T24}	✓ ^{T24}	X
Leviton Decora	DSE06-10Z		✓	✓	✓ ^{T24}	✓	X
Leviton Illumatech	IPL06-10Z		✓	✓	✓ ^{T24}	✓ ^{T24}	X
Leviton Sureslide	6674-P		✓	✓	✓ ^{T24}	✓ ^{T24}	✓

LEGRAND DIMMERS

LEGRAND DIMMERS			OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	Smart Dimming	10W-20W	30W-120W	24W	60W-200W	ALL
Legrand Paddle	ADPD453LW2	✓	✓	X**	✓ ^{T24}	✓ ^{T24}	X
Legrand Harmony Tru-Universal	H703PTU	✓	X	X	X	X	✓

MISCELLANEOUS DIMMERS

LEGRAND DIMMERS			OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	Smart Dimming	10W-20W	30W-120W	24W	60W-200W	ALL
Forbes & Lomax MLV	FLRLV603P		✓	✓	✓	✓	X
Forbes & Lomax INC/ HAL	FLR603P		✓	✓	✓ ^{T24}	✓ ^{T24}	X

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LEGEND

- ✓ - Compatible combination.
- ✓^{T24} - Compatible combination & Title 24 compliant.
- X - Incompatible combination.
- X* - Incompatible combination due to flicker.
- X** - Incompatible combination due to inconsistent dimming.

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CRESTRON DIMMERS

CRESTRON DIMMERS			OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	Smart Dimming	10W-20W	30W-120W	24W	60W-200W	ALL
Crestron Cameo	CLW-DIMEX-P		✓	✓	X	X	X
Crestron Cameo	CLW-DLEVEX		✓	✓	X	X	X

LEGEND

- ✓ - Compatible combination.
- ✓^{T24} - Compatible combination & Title 24 compliant.
- X - Incompatible combination.
- X* - Incompatible combination due to flicker.
- X** - Incompatible combination due to inconsistent dimming.

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INCOMPATIBLE DIMMERS

LUTRON DIMMERS		OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	12V-20W	12V-60W	12V-24W	12V-60W	12V-60W
Lutron Maestro	MA L3L3	-	-	-	-	-
Lutron Maestro	MSCLV-600M	-	-	-	-	-
Lutron RadioRa2	RRD-PRO	-	-	-	-	-

LEVITON DIMMERS		OMNIDRIVE		OMNIDRIVE 2		MAGNETIC
Name	Model	12V-20W	12V-60W	12V-24W	12V-60W	12V-60W
Leviton Decora Smart	DW6HD-1BZ	-	-	-	-	-
Leviton Illumitech	IPE04-1LZ	-	-	-	-	-
Leviton Illumitech	IPM06-1LZ	-	-	-	-	-

Dimmers listed as Incompatible are either mechanically incompatible with the drivers listed, or have failed to meet Diode LED testing standards.

ADDITIONAL DRIVER INFORMATION

DRIVER	LINK
OMNIDRIVE:	https://www.diodeled.com/omnidrive-dimmable-drivers.html
OMNIDRIVE 2:	https://www.diodeled.com/omnidrive-2-driver.html
MAGNETIC DIMMABLE DRIVER:	https://www.diodeled.com/magnetic-dimmable-led-drivers.html

How many LED's can I use with my dimmer?

Does your compatible dimmer have an **LED** maximum capacity listed? If not, simply use the incandescent maximum capacity listed for the model of dimmer,* then divide that number by 4. (or multiply by 0.25) The result will be the recommended safe LED maximum capacity for your dimmer.

* This information should be found on the manufacturer's web site, on the dimmer itself, or with its included paperwork.

DIMMER LED MAXIMUM CAPACITY CALCULATOR

Listed Incandescent Maximum Capacity	x 0.25 =	Recommended LED Maximum Capacity
	x 0.25 =	

(Example: The Lutron Diva DV-600P currently has a listed 600W maximum capacity for incandescent fixtures. $600W \times 0.25 = 150W$. This dimmer has a recommended 150W **LED** maximum capacity.)

VOLTAGE DROP CHART

For best performance and lumen output, ensure proper wire gauge is installed to compensate for voltage drop of low voltage circuits.

12V Voltage Drop & Wire Length Distance Chart

Wire Gauge	10 W .83 A	20 W 1.7 A	30 W 2.5 A	40 W 3.3 A	50 W 2.1 A	60 W 4.2 A
20 AWG	18 ft.	9 ft.	6 ft.	5 ft.	4 ft.	3 ft.
18 AWG	34 ft.	17 ft.	11 ft.	8 ft.	6 ft.	5 ft.
16 AWG	54 ft.	27 ft.	18 ft.	13 ft.	10 ft.	9 ft.
14 AWG	86 ft.	43 ft.	29 ft.	21 ft.	17 ft.	14 ft.
12 AWG	134 ft.	68 ft.	45 ft.	34 ft.	27 ft.	22 ft.
10 AWG	199 ft.	99 ft.	66 ft.	49 ft.	39 ft.	33 ft.

Voltage Drop Chart Guide

- 1 Determine load size. Let's assume load is 55 W. Round up to nearest load.
- 2 Determine distance from driver to load. Let's assume the distance is 20 ft.
- 3 It's recommended to install 12 AWG to eliminate excess voltage drop.