

Technical Information

Subject: MR16 LED Compatibility List for X-Series Electronic Transformers

Recommended number of compatible lamps per transformer model

	MR16 LED Model	FX95100	FX97311	GX95101 GX95201 GX95301	EX95101 EX95201 EX95301
1	Soraa Vivid 2 10W	1 to 5 lamps	1 to 20 lamps	1 to 5 lamps	1 to 5 lamps
2	Soraa Gen 3 10 W	1 to 5 lamps	1 to 20 lamps	1 to 5 lamps	1 to 5 lamps
3	Philips Endura 7W	1 to 6 lamps	1 to 20 lamps	1 to 6 lamps	1 to 6 lamps
4	Philips Endure 10W	1 to 5 lamps	1 to 20 lamps	1 to 5 lamps	1 to 5 lamps
5	Green Creative 6W, 7.5W	1 to 6 lamps	1 to 20 lamps	1 to 6 lamps	1 to 6 lamps
6	Liteco MR16, MR11	1 to 6 lamps	1 to 20 lamps	1 to 6 lamps	1 to 6 lamps
7	Brilliance LED MR16, MR11, MR8, G4	1 to 6 lamps	1 to 20 lamps	1 to 6 lamps	1 to 6 lamps
8	Brilliance LED PAR36 12W	1 to 4 lamps	1 to 12 lamps	1 to 4 lamps	1 to 4 lamps

Recommended Dimmer-Lamp Combination with X-Series Transformers

Dimmer Model	Soraa Vivid 2	Soraa Gen 3	Philips Endura	Green Creative 6 W, 7.5W	Liteco LED	Brilliance LED (all models)
Leviton VPE04-1L, VPE06-1L	YES	YES	YES	YES	YES	NO
Leviton ATE04-1L, ATE06-1L	YES	YES	YES	YES	YES	NO
Leviton ACE04-1L, ACE06-1L	YES	YES	YES	YES	YES	NO
Lutron Graphic Eye GRX 3000, PHPM-PA-DV	YES	YES	YES	YES	YES	NO
Lutron Maestro MAELV-600	YES	YES	YES	YES	YES	YES
Lutron Diva DVELV-300	YES	YES	YES	YES	YES	YES

Dimming Characteristics of Lamp + Dimmer combination with FX95100, GX95101, FX97311B for flicker free operation. Percentage power consumption from maximum to minimum setting on the dimmer

Dimmer Model	Soraa Vivid 3	Philips Endura	Liteco L8MR16	Brilliance LED (MR16,MR11,G4)	Brilliance LED PAR 36 12W	Green Creative 7.5W/6W
Leviton VPE04-1L, VPE06-1L (Vizia+)	98% - 11%	98% - 11%	99% - 13.8%	Not recommended	Not recommended	98% - 12%
Lutron Graphic Eye GRX 3000,PHPM-PA	98% - 4.3%	98% - 4.3%	98% - 0%	Not recommended	Not recommended	97% - 0%
Lutron Maestro MAELV-600	98% - 13%	98% - 13%	97% - 16.5%	99% - 15%	99% - 6%	99% - 15%
Lutron Diva DVELV-300	98% - 20%	98% - 0%	97% - 18%	99%-15%	99%-0%	99%-18%

Caution: Do not connect more than 6 lamps to FX95100 regardless of wattage.

Not all LED lamps behave the same way. Consult factory when using other lamps

Check out these videos. They feature dimming MR16 LEDs using FX95100, EX:

http://youtu.be/yP0_oF7XeaY (EX95121 with 24VDC LED light strip, dimming)

<http://youtu.be/4JWUt1EJM7k> (FX97311B, 300W with 3 Soraa)

<http://youtu.be/W2fDFMqHqSg> (2 x FX95100 with 1 Soraa each on same dimmer)

<http://youtu.be/1ZQOgKjvToY> (FX95100 with LEDs and controlled by Grafik Eye)