



LED Lamps

Dimmer Compatibility Guide





Dimmer Compatibility Guide

The ratings used in the attached tables are defined as follows:

	During testing through the dimming range, there was smooth transition of light dimming, no sign of flicker, and no audible noise at 3 feet.
	Compatibility may vary depending upon load (number of lamps). Lamps may flicker in some situations. Performing an on-site test before installation is recommended.
	During testing there was flicker, noise or unstable operation.
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Lamp Shape	Order Code	Description	Lutron Diva DV-600P	Lutron Diva LED+ DVCL-153P	Lutron Maestro LED+ MACL-153M	Leviton Sureslide 6633	Lutron Caseta PD-6WCL	Lutron Maestro Sensor MSCL-OP153M	Lutron Diva Reverse Phase DVRP-253P	Legrand radiant RHCL453	Legrand radiant multi-locations HCL453 PMM	Leviton Sureslide 6672	Legrand tru-universal RH703 PTU	Lutron Caseta DVRF-6L-WH	Lutron RadioRA3 RRST-PRO-N
A15	93311928	LED3DFA15-C-VTG													
A15	34051	LED4DA15-C3/827													
A15	34038	LED4DA15-W3/827													
A15	93312022	LED4DFA15-W/927													
A15	93142809	LED4DFA15-C													
A15	93142810	LED4DFA15-W													
A15	93324912	LED4DFA15-C/930W													
A15	93324913	LED4DFA15-W/930W													
A19	93322361	LED/LC/DA19/9SC													
A19	93322367	LED/LC/DA19/9WSC													
A19	93319141	LED5DFA19/927/E-W													
A19	93319147	LED5DFA19/927/E-C													
A19	93313531	LED6DA19/9SC/E													
A19	69115	LED6DA19/827													
A19	69118	LED6DA19/830													
A19	69132	LED6DA19/840													
A19	69144	LED6DA19/850													
A19	93156446	LED6DA19/827/E													
A19	93156447	LED6DA19/830/E													
A19	93156448	LED6DA19/840/E													
A19	93156449	LED6DA19/850/E													
A19	93305532	LED6DA19/927/E													
A19	93305533	LED6DA19/950/E													
A19	93319153	LED7DFA19/927/E-W													
A19	93319159	LED7DFA19/927/E-C													
A19	93319165	LED8DFA19/927-W													
A19	93319171	LED8DFA19/927-C													
A19	93324919	LED8DFA19-C/930W													
A19	93324920	LED8DFA19-W/930W													
A19	93313549	LED10DA19/9SC/E													
A19	69117	LED10DA19/827													
A19	69119	LED10DA19/830													
A19	69133	LED10DA19/840													
A19	69146	LED10DA19/850													
A19	93156450	LED10DA19/827/E													
A19	93156531	LED10DA19/830/E													
A19	93156532	LED10DA19/840/E													
A19	93156533	LED10DA19/850/E													
A19	93305534	LED10DA19/927/E													



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A19	93305535	LED10DA19/950/E													
A19	38220	LED10DA19GU24827													
A19	93156542	LED10DA19/GU24/827/E													
A19	93156534	LED12DA19/827/E													
A19	93156535	LED12DA19/830/E													
A19	93156536	LED12DA19/840/E													
A19	93156537	LED12DA19/850/E													
A19	93313543	LED13DA19/9SC													
A19	93305536	LED13DA19/927													
A19	93305537	LED13DA19/950													
A19	93319177	LED12DFA19/927-W													
A19	93319183	LED12DFA19/927-C													
A19	93313537	LED15DA19/9SC													
A19	93156538	LED15DA19/827													
A19	93156539	LED15DA19/830													
A19	93156540	LED15DA19/840													
A19	93156541	LED15DA19/850													
A19	93305538	LED15DA19/927													
A19	93305539	LED15DA19/950													
A19	93156543	LED15DA19/GU24/827													
ST19	93311890	LED5DFST19-C-VTG													
ST19	93324923	LED8DFST19-C/930W													
A21	76037	LED12DA21/827													
A21	76041	LED12DA21/830													
A21	73384	LED12DA21/830FE													
A21	76045	LED12DA21/840													
A21	76102	LED12DA21/850													
A21	73404	LED12DA21/850FE													
A21	76038	LED15DA21/827													
A21	76043	LED15DA21/830													
A21	76060	LED15DA21/840													
A21	76117	LED15DA21/850													
A21	46666	LED15DA21GU24827													
A21	93309224	LED22DA21/827													
A21	93309225	LED22DA21/850													
BC	93142794	LED4DFBC-C													
BC	93142796	LED4DFBC-W													
BC	93142802	LED5DFBC-C													



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BC	93142803	LED5DFBC-W													
BC	93324915	LED4DFBC-C/930W													
BM	93142811	LED4DFBM-C													
BM	93142814	LED4DFBM-W													
BM	93142855	LED5DFBM-C													
BM	93142856	LED5DFBM-W													
BM	93324914	LED4DFBM-C/930W													
BR30	93318865	LED8DBR30/9SC													
BR30	68160	LED10DR303/827W													
BR30	68161	LED10DR303/830W													
BR30	69107	LED10DR303/850W													
BR30	43234	LED10DR30V/827W													
BR30	43237	LED10DR30V/830W													
BR30	93305498	LED8DBR30/927													
BR30	93305499	LED8DBR30/930													
BR30	93305510	LED8DBR30/940													
BR30	93305512	LED8DBR30/950													
BR40	93318871	LED12DBR40/9SC													
BR40	93311897	LED12DBR40/927													
BR40	93311898	LED12DBR40/930													
BR40	93311899	LED12DBR40/950													
BR40	64176	LED13DBR40/827													
BR40	14708	LED13DBR40/830													
BR40	69108	LED13DBR40/850													
CAC	93142792	LED3DFCAC-C													
CAC	93142793	LED3DFCAC-W													
CAC	93312028	LED4DFCAC-C/927													
CAC	21231	LED4DCAC-C3/827													
CAC	69109	LED4DCAC-C3/850													
CAC	93142795	LED4DFCAC-C													
CAC	93142797	LED4DFCAC-W													
CAC	93325663	LED4DFCAC-C/9SC													
CAC	93325791	LED4DFCAC-W/9SC													
CAC	93142800	LED5DFCAC-C													
CAC	93142801	LED5DFCAC-W													
CAC	93325792	LED5DFCAC-C/9SC													
CAC	93325816	LED5DFCAC-W/9SC													
CAC	21233	LED7DCAC-C3/827													



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CAM	93142804	LED3DFCAM-C													
CAM	93142808	LED3DFCAM-W													
CAM	93311960	LED4DFCAM-C/927													
CAM	21250	LED4DCAM-C3/827													
CAM	92389	LED4DCAM-W3/827													
CAM	93142812	LED4DFCAM-C													
CAM	93142815	LED4DFCAM-W													
CAM	93325817	LED4DFCAM-C/9SC													
CAM	93142851	LED5DFCAM-C													
CAM	93142852	LED5DFCAM-W													
CAM	21251	LED7DCAM-C3/827													
G16	93142798	LED4DFG16C-C													
G16	93142799	LED4DFG16C-W													
G16	93324918	LED4DFG16C-C/930W													
G25	93142805	LED3DFG25-C													
G25	93142807	LED3DFG25-W													
G25	93311963	LED4DFG25-C/927													
G25	93311966	LED4DFG25-W/927													
G25	93142847	LED4DFG25-C													
G25	93142846	LED4DFG25-W													
G25	93142850	LED5DFG25-C													
G25	93142849	LED5DFG25-W													
G25	21253	LED5DG25-W3/827													
G25	93325818	LED5DFG25-C/9SC													
G25	93325819	LED5DFG25-W/9SC													
G25	21255	LED7DG25-W3/827													
G25	93324921	LED8DFG25-C/930W													
G25	93324922	LED8DFG25-W/930W													
G40	93324916	LED8DFG40-C/930W													
G40	93324917	LED8DFG40-W/930W													
MR16-GU10	93305604	LED4D/GU10W830/35													
MR16-GU10	93305605	LED5D/GU10W830/35													
PAR16	93305603	LED6DP16W830/35													
PAR20	93322373	LED5DP20W/9SC/BC													
PAR20	93322379	LED5DP20B/9SC/BC													
PAR20	93349	LED7DP203B827/20													
PAR20	93360	LED7DP203W827/20													



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PAR20	93107783	LED7DP203B927/35													
PAR20	93311901	LED7DP200B927/35													
PAR20	93354	LED7DP203B827/35													
PAR20	93107782	LED7DP203W927/35													
PAR20	93311900	LED7DP200W927/35													
PAR20	93362	LED7DP203W827/35													
PAR20	93327	LED7DP203B830/20													
PAR20	93347	LED7DP203W830/20													
PAR20	93311903	LED7DP200B930/35													
PAR20	93311902	LED7DP200W930/35													
PAR20	93348	LED7DP203W830/35													
PAR20	93318877	LED10DP20W930/35													
PAR30	93322385	LED10DP30W/9SC/BC													
PAR30	93322391	LED10DP30B/9SC/BC													
PAR30	93311923	LED12DP30RW927/25													
PAR30	42133	LED12DP30RW82725													
PAR30	93311925	LED12DP30RB927/40													
PAR30	93107784	LED12DP30RB92740													
PAR30	84395	LED12DP30RW92740													
PAR30	93311924	LED12DP30RW927/40													
PAR30	73583	LED12DP30RB82740													
PAR30	42134	LED12DP30RW82740													
PAR30	84379	LED12DP30RW93025													
PAR30	93311926	LED12DP30RW930/25													
PAR30	84384	LED12DP30RW83025													
PAR30	98765	LED12DP303W83035													
PAR30	93311927	LED12DP30RW930/40													
PAR30	42131	LED12DP30RW83040													
PAR30	84392	LED12DP30RW92725													
PAR30	84380	LED12DP30RW93040													
PAR30	93153892	LED12DP30VOW830/25													
PAR30L	93322397	LED10DP30LW/9SC/BC													
PAR30L	93322403	LED10DP30LB/9SC/BC													
PAR30L	93312005	LED12DP30LRW927/25													
PAR30L	84407	LED12DP3LRW92740													
PAR30L	93312006	LED12DP30LRW927/40													
PAR30L	42144	LED12DP3LRW82740													
PAR30L	84399	LED12DP3LRW93025													



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PAR30L	93312007	LED12DP30LRW930/25													
PAR30L	42136	LED12DP3LRW83025													
PAR30L	98811	LED12DP3L3W83035													
PAR30L	84400	LED12DP3LRW93040													
PAR30L	93312008	LED12DP30LRW930/40													
PAR30L	93316394	LED12DP30LRB930/40													
PAR30L	42137	LED12DP3LRW83040													
PAR30L	42141	LED12DP3LRW82725													
PAR30L	93153891	LED12DP30LVOW830/25													
PAR30L	93318893	LED20DP30LW930/35													
PAR38	93322409	LED/LC/DP38W/9SC/BC													
PAR38	93322415	LED/LC/DP38B/9SC/BC													
PAR38	93311944	LED12DP38ROW927/25													
PAR38	93311945	LED12DP38ROW927/40													
PAR38	92971	LED12D38W3827/40													
PAR38	93311946	LED12DP38ROW930/25													
PAR38	92972	LED12D38W3830/25													
PAR38	93311947	LED12DP38ROW930/40													
PAR38	92973	LED12D38OW383040													
PAR38	93318835	LED12DPAR38ROW927/25													
PAR38	93318841	LED12DPAR38ROW927/40													
PAR38	93318847	LED12DPAR38ROW930/25													
PAR38	93318853	LED12DPAR38ROW930/40													
PAR38	92969	LED12D38W3827/25													
PAR38	93133599	LED12D38W3930/25													
PAR38	32213	LED15DP38W830/40													
PAR38	93313077	LED16DP38ROW930/15													
PAR38	93313079	LED16DP38ROW830/15													
PAR38	93313081	LED16DP38ROS830/15													
PAR38	92923	LED18D38W3927/25													
PAR38	93311929	LED18DP38ROW927/25													
PAR38	92950	LED18D38OW382725													
PAR38	93311930	LED18DP38ROW927/40													
PAR38	92958	LED18D38OW382740													
PAR38	92927	LED18D38W3930/15													
PAR38	92961	LED18D38W3830/15													
PAR38	93096546	LED18D38S3830/15													
PAR38	93311932	LED18DP38ROB930/25													
PAR38	93311931	LED18DP38ROW930/25													



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PAR38	92963	LED18D38OW383025													
PAR38	9331933	LED18DP38ROS930/25													
PAR38	93096804	LED18D38OS383025													
PAR38	92934	LED18D38W3930/40													
PAR38	9331934	LED18DP38ROW930/40													
PAR38	93316388	LED18DP38ROB930/40													
PAR38	92967	LED18D38OW383040													
PAR38	9331935	LED18DP38ROW935/25													
PAR38	85085	LED18D38OW383525													
PAR38	9331936	LED18DP38ROW935/40													
PAR38	87917	LED18D38OW383540													
PAR38	9331937	LED18DP38ROW940/25													
PAR38	93171	LED18D38OW384025													
PAR38	9331938	LED18DP38ROW940/40													
PAR38	93172	LED18D38OW384040													
PAR38	9331939	LED18DP38ROW950/25													
PAR38	65730	LED18D38OW385025													
PAR38	9331940	LED18DP38ROW950/40													
PAR38	65731	LED18D38OW385040													
PAR38	92926	LED18D38W3927/40													
PAR38	65727	LED18D38OB383025													
PAR38	92933	LED18D38W3930/25													
PAR38	93314739	LED27DP38OW830/15													
PAR38	93314751	LED27DP38OW830/25													
PAR38	93314753	LED27DP38OW830/40													
PAR38	93314755	LED27DP38OW835/15													
PAR38	93314757	LED27DP38OW835/25													
PAR38	93314759	LED27DP38OW835/40													
PAR38	75447	LED32DP38W830/15													
PAR38	88801	LED32DP38W830/25													
PAR38	88810	LED32DP38W830/40													
PAR38	30233	LED32DP38W835/15													
PAR38	30237	LED32DP38W835/25													
PAR38	30239	LED32DP38W835/40													
PAR38	93153880	LED15DP38VOW830/35													



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R20	93318859	LED5DR20/9SC													
R20	9331895	LED5DR20/927													
R20	9331896	LED5DR20/930													
R20	38268	LED7DR20/827													
R20	43233	LED7DR20/830													
R20	38273	LED7DR20/850													
RS Can	95853	LED10RS4/827E26P													
RS Can	95854	LED10RS4/830E26P													
RS Can	35365	LED10RS4/840E26P													
RS Can	20037	LED13DRS6/827													
RS Can	20048	LED13DRS6/830													
RS Can	19888	LED8DRS6/827													
RS Can	19908	LED8DRS6/830													
RS Can	20026	LED8DRS6/840													
RS Can	93162554	LED8DRS4/9SC													
RS Can	93162555	LED8DRS6/9SC													
RS Can	93162556	LED12DRS6/9SC													



MR16 Transformer & Dimmer Compatibility

The ratings used in the attached tables are defined as follows:

	During testing through the dimming range, there was smooth transition of light dimming, no sign of flicker, and no audible noise at 3 feet.
	Compatibility may vary depending upon load (number of lamps). Lamps may flicker in some situations. Performing an on-site test before installation is recommended.
	During testing there was flicker, noise or unstable operation.
	NOT TESTED YET.

IMPORTANT NOTICE — Because dimming equipment, applications, and conditions of use are many, varied, and beyond Current's control, this information necessarily is based on limited sample sizes and testing, and Current does not represent or warranty the suitability of a lamp for any particular application or use in any particular equipment. This information may be updated and changed at any time without notice as new equipment and information is developed.

12V MR16 Lamps require a step-down transformer from mains voltage. In order to dim, the dimmer must be compatible with the transformer. Compatibility with the full system should be verified.

Note: Certain combinations of transformers and dimmers may not operate properly. Use on dimming circuits with magnetic transformers is not recommended.

There are three types of dimmers in the market according to their load properties: R, RL, and RC type. Both magnetic and electronic transformers are used with low voltage lamps. The dimmers and transformers should be used in this combination:

- Leading edge dimmer (RL) + Magnetic transformer
- Trailing edge dimmer (RC) + Electronic transformer (**Recommended for best results with LED MR16 lamps**)

Caution: The combination of Leading edge dimmer (RL) + Electronic transformer is not recommended for LED MR16 lamps due to a higher risk of flicker, noise, and distortion of mains voltage.

Transformer Compatibility - One Lamp							
Input Voltage	Brand	Model	Dimmable ET	LED6.5DMR16W (Leadership Line)	LED6.5DMR16 (Value Line)	LED4.5DMR16 (Value Line)	LED7MRX16R
120V	Hatch	RS12-60M-LED	Y				
120V	Hatch	RS12-30M-LED	Y				
120V	Hatch	RS12-15M-LED	Y				
120V	Hatch	RS12-60M	Y				
120V	Hatch	RS12-80M	Y				
120V	Hatch	RS12-80MG	Y				
120V	Hatch	VS12-60W	Y				
120V	Lightech	LET75	Y				
120V	Lightech	LET60	Y				
120V	Lightech	LET60LW	Y				
277V	Hatch	RS12-105BF-277	Y				
277V	Lightech	LET75/277R BF	N				

Dimmer - Transformer Compatibility - One Lamp							
Compatibility for these Dimmer - Transformer combinations applies to all lamps listed in the above Transformer Compatibility table.				Hatch RS12-60M-LED Electronic Transformer	Hatch RS12-30M-LED Electronic Transformer	Hatch RS12-15M-LED Electronic Transformer	Lightech LET60LW Electronic Transformer
Lutron	Diva	DVELV-300P	Trailing Edge (RC) Dimmer				
Lutron	Skylark	SELV-300P	Trailing Edge (RC) Dimmer				
Lutron	Maestro	MAELV-600	Trailing Edge (RC) Dimmer				