

LED Dimmer/Bulb Compatibility

Decora Smart™
with HomeKit™
Technology

DH6HD





Leviton is proud to be a leader in the electrical industry by using the latest technology to develop products that enhance daily living and help save energy. Sharing our knowledge and experience with you is an important part of our brand promise to put our customers at the center of everything we do.

This report was developed to help you understand how to best pair today's LED bulbs with Leviton dimmers so you can locate the best combination to meet your lighting needs.

LED vs Incandescent Bulbs

Incandescent bulbs are rapidly being phased out in favor of longer-lasting, more energy efficient LED bulbs. Because their circuitry is more complex, not all LED bulbs will dim smoothly, and some may present other inconsistencies such as flickering, slow start-up, limited dimming range or inconsistent illumination.



Compatibility is Key

In order to achieve the best performance, it is important to ensure that the LED bulb and dimmer you select are compatible when used together. Existing dimmers in older homes are likely "Incandescent only" dimmers – installed before LED bulbs became mainstream. Incandescent dimmers are not rated for use with LED bulbs. Leviton recommends only using LED bulbs with dimmers that are rated to control an LED load.



Testing for Compatibility

Leviton is dedicated to providing our customers with the best experience when using Leviton dimmers. We work closely with LED bulb manufacturers and have a dedicated team in our in-house lab that conducts ongoing testing of the latest LED bulbs/fixtures with our LED dimmers to determine the best combinations.

This test program is designed to meet or exceed the latest testing criteria for evaluating performance of LED bulbs with Leviton dimmers. We measure a number of factors including dimming range and irregular functionality such as flickering or shimmering, slow start up, noise (humming/buzzing) levels and inconsistent illumination. The testing is ongoing and results are updated regularly in our user friendly LED Compatibility Selector Tool available at Leviton.com/led.

Understanding the Rating System

Our ratings will help you determine which bulbs/fixtures have been tested and approved as compatible with Leviton LED dimmers. All results listed within this report are deemed compatible. The bulbs that display an asterisk (*) after the model# are those that had exceptional performance and compatibility beyond our criteria.

LED Bulb Compatibility
Decora Smart™ Dimmers with Homekit™ Plus Technology
DH6HD



Bulb Type	Bulb Manufacturer	Model #	Wattage	Equivalent Wattage	Color/Temperature (K)
4 in Retrofit	Cree	SRDL4-0572700FH-12DE26-1-11*	8	55	Daylight (5000K)
		SRDL4-0575000FH-12DE26-1*	8	55	Daylight (5000K)
		TRDL4-0782700FH50-12DE26-1-11*	10.5	75	Soft White (2700K)
		TRDL4-0784000FH50-12DE26-1-11004S-D*	10.5	75	Cool White (4000K)
6 in Retrofit	Cree	SRDL6-0652700FH-12DE26-1-11*	10	65	Soft White (2700K)
		SRDL6-0655000FH-12DE26-1-11*	10	65	Daylight (5000K)
		TRDL6-0802700FH50-12DE26-1-11004S-D	11	75	Soft White (2700K)
		TRDL6-1102700FH50-12DE26-1-11*	14.5	100	Soft White (2700K)
		TRDL6-0804000FH50-12DE26-1-11004S-D	11	75	Cool White (4000K)
		TRDL6-1104000FH50-12DE26-1-11004S-D*	14.5	100	Cool White (4000K)
A15	EcoSmart	ECS A15 40WE W27 120 G1	4	40	Soft White (2700K)
	Philips	046677463960*	5.5	40	Warm Glow (2200-2700K)
A19	Amazon Basic	B01N9454ZB	4.5	25	Soft White (2700K)
		B01MTO11GI*	6	40	Daylight (5000K)
	Cree	SA19-04627MDFD-12DE26-1-14*	5.5	40	Soft White (2700K)
		SA19-04650MDFD-12DE26-1-14*	5.3	40	Soft White (2700K)
	GE	LED10DA19/827*	10	60	Soft White (2700K)
	Philips	04667746244*	6	40	Warm Glow (2200-2700K)
A21	Amazon Basic	B01MXLSK5W*	15	100	Soft White (2700K)
BR30	Cree	SBR30-06550FLFD-12DE26-1*	7	65	Daylight (5000K)
	Noma	399-1972-0*	11	60	Daylight (5000K)
Downlight	Cree	CR6T-825L-27K-12-E26GU24	11	75	Soft White (2700K)
		CR6T-825L-30K-12-E26GU24	11	75	Bright White (3000K)
		CR6T-825L-35K-12-E26GU24	11	75	Neutral White (3500K)
		CR6T-825L-40K-12-E26GU24	11	75	Cool White (4000K)
		CR4T-790L-27K-12-E26GU24*	10.5	75	Soft White (2700K)
		CR4T-790L-30K-12-E26GU24*	10.5	75	Bright White (3000K)
		CR4T-790L-35K-12-E26GU24*	10.5	75	Neutral White (3500K)
		CR4T-790L-40K-12-E26GU24*	10.5	75	Cool White (4000K)
		CR6T-1100L-27K-12-E26GU24*	14.5	100	Soft White (2700K)
		CR6T-1100L-30K-12-E26GU24*	14.5	100	Bright White (3000K)
		CR6T-1100L-35K-12-E26GU24*	14.5	100	Neutral White (3500K)
G25	Philips	477646	5	40	Daylight (5000K)
		9290018409	5	40	Soft White (2700K)
		9290018410	5	40	Daylight (5000K)
PAR30	EcoSmart	A7PR30S75WESD02	8	75	Soft White (2700K)
PAR38	Amazon Basic	B079VMHM76*	14	90	Bright White (3000K)
		B079VP1G43*	16	120	Bright White (3000K)
ST19	Philips	9290013344	5	40	Warm White (2200K)

* The bulbs that display an asterisk (*) after the model# have exceptional performance and compatibility beyond our criteria.