

Visual Dimmer Testing Report Card

DATE TESTED 2/21/2022



Product Model # S21215, S21216, S21217, S21218, S21219

4-Watts G16.5 Clear, White 90CRI

MANUFACTURER	MODEL	Dimmer Watts	NUMBER LAMPS TESTED	OVERALL RESULTS	VISUAL RANGE	H.E. DEADTRAVEL	L.E. DEADTRAVEL	STEPPY DIMMING	FLICKER	SHIMMER	AUDIBLE NOISE	ROCKNOTTURN OFF ON	POPCORN	MINI-MAX LAMPS	Dimming %	Good	Great	Best	Notes: High trim required
2	COOPER DAL06P-C2 (Universal)	600	1	Pass										1	10	✓			
3	LUTRON MA-PRO (Adaptive-Phase)	250/500	1	Pass										1	10			✓	
4	LUTRON RCL-153PNL (Forward-phase)	250	1	Pass										1	10		✓		
5	LEVITON 6672 (Forward-phase)	150/600	1	Pass										1	10		✓		
6	LUTRON AYCL-153P (Forward-Phase) Toggle Type	150	1	Pass										1	10		✓		
7	LUTRON LECL-153PH (Fprward-Phase) Luneva (C.L)	150	1	Pass										1	10		✓		
8	LEGRAND ADTP703TU (Adom Tru Universal)	450	1	Fail										2	C	F			
9	LEVITON IPE04-1L (ELV)	450	1	Pass										1	15		✓		
10	LEVITON 6674, IPL06, DSL06, TSL06,(Univeral- Forwa	150	1	Pass										1	10		✓		
11	LEVITON RNL06-10Z	150/600	1	Pass										1	10		✓		
12	LUTRON RRD-PRO (Reverse-Phase)	250	1	Pass										1	10			✓	
13	LEVITON DSM10, TSM10 Forward-Phase (MLV, LED, C	450/1000	1	Pass										1	10		✓		
14	LUTRON DVCL-153P (Forward-Phase) Diva (C.L)	150	1	Pass										1	10		✓		
15	LUTRON MACL-153M (Forward-Phase) Maestro (C.L)	150	1	Pass										1	10		✓		
16	LUTRON NTCL-250 NovaT (Forward-Phase)	250	1	Pass										1	10		✓		
17	StarFish/Satco S11268 (Forward Phase)	150	1	Pass										1	10	✓			
18	LUTRON CTRP-253P (Reverse-Phase)	250	1	Pass										1	10			✓	
18	LUTRON MSCL-OP153M Forward-Phase MA(C.L OCS	150	1	Pass										1	10		✓		
20	LEVITON DSE06-10Z (ELV)	150	1	Fail										1	20	F			
21	LEVITON DDL06 (Universal - Forward-Phase)	300/600	1	Pass										1	10		✓		
22	SATCO 86/103 Z-Wave (Forward-Phase)	150	1	Pass										1	10		✓		
23	LUTRON RRD-6CL (RA C.L Forward-Phase)	150	1	Pass										1	15		✓		
24	Legrand RH703PTUTC (Universal, C.L, MLV, ELV)	700/450	1	Fail										2	F	F			Minimum 2-Lamps
25	Legrand RHCL450PTC (Forward-Phase)	700/450	1	Pass										1	10		✓		
26	LUTRON DVRP-253P (Reverse-Phase)	250	1	Pass										1	10			✓	
27	COOPER TAL06P-C2 (Forward-Phase Toggle C.L)	300/600	1	Pass										1	10	✓			
29	LUTRON PD-6WCL Caseta (Forward-Phase)	150/600	1	Pass										1	10		✓		
30	LUTRON PD-10WX Caseta (Forward-Phase)	450/1000	1	Pass										1	10		✓		
31	LEVITON DSL06-1LZ (Forward-Phase)	300/600	1	Pass										1	10		✓		
32	LEVITON 66ELV (ELV)	300/600	1	Pass										1	10		✓		
33	LUTRON NTRP-250 (Reverse-Phase)	250	1	Pass										1	10			✓	
34	LEVITON DDMX1 (MLV, LED, INC, HLGN)	450/1000	1	Fail										1	F	F			Strobing at high Dim Level
35	COOPER RF9640-ND (Universal, ELV, MLV, LED, INC)	300w/600	1	Pass										1	10		✓		
36	COOPER VSUL06D (Universal, ELV, MLV, LED, INC)	300w/600	1	Fail										1	10	F			Strobing at high Dim Level
37	COOPER SUF7 (Universal, ELV, INC, HLGN)	450/600/700	1	Pass										1	10		✓		
38	COOPER DUL06P-C2 (Universal, ELV, MLV, LED, Inc)	300w/600	1	Pass										1	10		✓		
39	LEVITON DW6HD, DH6HD, DG6HD, DZ6HD, DL6HD (Forward-Phase)	300w/600	1	Pass										1	15		✓		
40	COOPER SAL06P Universal (ELV, MLV, LED)	300w/600	1	Fail										1	F	F			
41	Precision MR4 2400 PLS 2-CH Control Adaptive Phase	1200/1200																	
42	Overdrive ODMR0205 2-Channel control, 10-amps	600/600																	
Power Factor		0.77																	
Volt		122.8																	
Watts		4.28																	
Amps		0.045																	
Frequency		60																	

Unlike incandescent bulbs, LED's have electronic components inside of them that can make noise when the bulbs are on, especially when dimmed. ENERGY STAR requires 25 dB or less be emitted per bulb/fixture at 12 inches. The noise may be caused by a variety of reasons, but a small amount of noise isn't anything to worry about. An Electronic Low Voltage or Reverse-Phase dimmer like the Lutron DVRP-253P series will almost always silence noise from most LED products. (Neutral connection required)

PLEASE NOTE: Compatibility list is based upon testing conducted in a lab simulated environment. Actual results may vary