

Visual Dimming Test Report Card

TESTED 10/31/2022

Pass
Caution
Fail

Product Model # S21378, S21379

5.5T14/LED/CL 820K and 827K

MANUFACTURER	MODEL	Dimmer Watts	NUMBER LAMPS TESTED	OVERALL RESULTS	VISUAL RANGE	M.E. DEADTRAVEL	L.E. DEADTRAVEL	STEPPY DIMMING	FLICKER	SHIMMER	AUDIOBLEND	DOES NOT TURN OFF/ON	POPCORN	POPCORN	MIN/MAX LAMPS	Dimming %	Good	Better	Best	Notes: High trim required	
Eaton	DAL06P-C2 (Universal)	600	2	Caution								Caution			2	10		✓		Not Recommended, minimum 2 lamps	
LUTRON	MA-PRO, RRD-PRO, HQRD-PRO, HQRA-PRO, ST-PRO-N, RRST-PRO-N, HRST-PRO-N. (Phase Adaptive)	250/500	2	Pass											1	10			✓		
LUTRON	RCL-153PNL, DVCL-153P, AYCL-153P, SCL-153P, CTCL-153P, LECL-153P, TTCL-100H, DVCL-253P, AYCL-253P, NTCL-250, TGCL-153PH (Forward-Phase)	250	2	Pass											1	10		✓			
LEVITON	6672 (Forward-phase)	150/600	2	Pass											1	20		✓			
LEGRAND	ADTP703TU (Adorn Tru Universal)	450	2	Fail											f	f	✓			Not Recommended	
LEVITON	IPE04-1L (ELV)	450	2	Caution						Caution			Caution		2	30		✓		not recommended	
LEVITON	6674, IPL06, DSL06, TSL06, (Universal- Forward)	150	2	Pass											1	10		✓			
LEVITON	RNL06-10Z	150/600	2	Pass											1	10		✓			
LEVITON	DSM10, TSM10 Forward-Phase (MLV, LED, CFL, INC)	450/1000	2	Pass											1	10		✓			
LUTRON	PD-5NE, MRF2S-6ELV (Electronic Reverse-Phase)	250/500	2	Fail											f	f				Not Recommended	
LUTRON	MACL-153M, STCL-153M, MACL-LFQ, MSCL-OP153M (Forward-Phase)	150	2	Pass											1	20		✓			
StarFish/Satco	S11268 (Forward Phase)	150	2	Pass											1	20					
LUTRON	CTRP-253P, DVRP-253P, NTRP-250 (Reverse-Phase)	250	2	Pass											1	10			✓		
LEVITON	DSE06-10Z (ELV)	150	2	Pass											1	20		✓			
SATCO	86/103 Z-Wave (Forward-Phase)	150	2	Pass											1	10	✓				
LEVITON	DDL06 (Universal - Forward-Phase)	300/600	2	Pass											1	10					
LUTRON	RRD-6CL RadioRa (Forward-Phase)	450/1000	2	Pass											1	10		✓			
Legrand	RH703PTUTC (Universal, C.L, MLV, ELV)	700/450	2	Fail											f	f	✓			not recommended	
Legrand	RHCL450PTC (Forward-Phase)	700/450	2	Pass											1	10		✓			
Eaton	TAL06P-C2 (Forward-Phase Toggle C.L)	300/600	2	Caution											2	10		✓		Not Recommended, minimum 2 Lamps	
LUTRON	PD-6WCL, PD-10NXD, RRD-10D, RRD-6ND, RRD-H6BRL, HQRD-6ND, HQRD-10D, HQRD-10NBD, HQRD-HN6BRL, DVRF-6L (Smart Home Forward-Phase)	150	2	Pass											1	10	✓				
LEVITON	DSL06-1LZ (Forward-Phase)	300/600	2	Pass											1	10		✓			
LEVITON	66ELV (ELV)	300/600	2	Fail											f	f			✓	Not Recommended	
LEVITON	DDMX1 (MLV, LED, INC, HLGN)	450/1000	2	Pass											1	10		✓			
Eaton	RF9640-ND (Universal, ELV, MLV, LED, INC)	300w/600	2	Pass											1	10		✓			
Eaton	VSUL06D (Universal, ELV, MLV, LED, INC)	300w/600	2	Pass											1	10		✓			
Eaton	SUF7 (Universal, ELV, INC, HLGN)	450/600/700	2	Caution											2	20		✓		Not Recommended, minimum 2	
Eaton	DUL06P-C2 (Universal, ELV, MLV, LED, Inc)	300w/600	2	Pass											1	10		✓			
LEVITON	DW6HD, DH6HD, DG6HD, DZ6HD, DL6HD (Forward-Phase)	300w/600	2	Pass											1	20	✓				
Eaton	SAL06P Universal (ELV, MLV, LED)	300w/600	2	Caution											2	10	✓			Not Recommended, minimum 2	
LUTRON	PD-3PCL, MRF2-3LD, MRF2-3PD, RRD-3LD, RRD-3PD,m HQR-3LD, HQR-3PD. (Electronic Lamp Dimmers)	100/300																			
Precision	MR4 2400 PLS 2-CH Control Adaptive Phase	1200/1200																			
Overdrive	ODMR0205 2-Channel control, 10-amps	600/600																			

Power Factor	0.734
Volt	122.8
Watts	4.41
Amps	0.048
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