

Visual Dimmer Testing Report Card

DATE TESTED 9/22/2020



Product Model # TH488, TH489, TH490, TH491, TH492, TH493

12w LED FORGED TRACK HEAD

MANUFACTURER	MODEL	DIMMER MAX WATT RATING	NUMBER AMPS TESTED	OVERALL RESULTS	VISUAL RANGE	H.E. DEADTRAVEL	L.E. DEADTRAVEL	STEPPY DIMMING	FLICKER	SHIMMER	AUDIOLENOISE	DOES NOT TURN OFF ON	POP/POP	POP CORN	MIN/MAX LAMPS	Dimming %	Good	Better	Best	Notes: High trim required																					
																					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	LUTRON	NTRP-250 NovaT (Reverse Phase)	250	2	Pass										1	10																									
2	COOPER	DAL06P-C2 (Universal)	600	2	Fail										1	F	F			Strobes at Mid Dimming Level Min 2-lights																					
3	LUTRON	MA-PRO (250 LED, 500 ELV)	250/500	2	Pass										1	10																									
4	LUTRON	MAELV-600 Maestro (ELV)	600	2	Pass										1	10																									
5	LUTRON	PD-5NE Caseta (ELV)	500	2	Pass										1	10																									
6	LUTRON	AYCL-153P Ariadni (Toggle)	150	2	Pass										1	10																									
7	LUTRON	LECL-153PH Lunea (C.L)	150	2	Pass										1	10																									
8	LEGRAND	ADTP703TU (Adom Tru Universal)	450	2	Pass										1	10																									
9	LEVITON	IPE04-1L (ELV)	450	2	Pass										1	10																									
10	LEVITON	6674 (Univeral LED - Forward)	150	2	Fail										1	F	F			Strobes at Mid Dimming Level Min 2-lights																					
11	LEVITON	IPL06 (Universal Led - Forward)	150	2	Fail										1	F	F			Strobes at Mid Dimming Level Min 2-lights																					
12	LUTRON	RRD-6-NA (RA ELV) 600w	600	2	Pass										1	10																									
13	LEVITON	DSM10 (MLV, LED, CFL, INC)	450/1000	2	Fail										1	F	F			Strobes at Mid Dimming Level Min 2-lights																					
14	LUTRON	DVCL-153P Diva (C.L)	150	2	Pass										1	10																									
15	LUTRON	MACL-153M Maestro (C.L)	150	2	Pass										1	10																									
16	LUTRON	NTCL-250 NovaT (C.L)	250	2	Pass										1	10																									
17	LUTRON	SLV/DVLV-600P Skylark (MLV)	150	2	Caution										1	15				Not Safety Listed for LED Loads																					
18	LUTRON	SELV/DVELV-300 Skylark (ELV)	150	2	Pass										1	5																									
18	LUTRON	MSCL-OP153M Maestro (C.L OCS)	150	2	Pass										1	10																									
20	LEVITON	DSE06-10Z (ELV)	150	2	Pass										1	10																									
21	LEVITON	DDL06 (Universal - Forward)	300/600	2	Pass										1	10																									
22	SATCO	86/103 Z-Wave (Forward)	150	2	Pass										1	F																									
23	LUTRON	RRD-6CL (RA C.L Forward)	150	2	Pass										1	10																									
24	Legrand	RH703PTUTC	700/450	2	Pass										1	10																									
25	Legrand	RHCL450PTC	700/450	2	Pass										1	20																									
26	LUTRON	CTRP,DVRP-253P (Reverse-Phase)	500 ELV/250	2	Pass										1	5																									
27	COOPER	TAL06P-C2 (Toggle C.L)	300/600	2	Pass										1	10																									
28	LEVITON	TSM10 (MLV, Toggle)	450/1000	2	Caution										1	20																									
29	LUTRON	PD-6WCL Caseta (C.L)	150/600	2	Pass										1	10																									
30	LUTRON	PD-10WX (Caseta (C.L)	450/1000	2	Pass										1	10																									
31	LEVITON	DSL06-1LZ (Forward)	300/600	2	Pass										1	10																									
32	LEVITON	66ELV (ELV)	300/600	2	Pass										1	10																									
33	LUTRON	NTELV-300 NovaT (ELV)	300/600	2	Pass										1	10																									
34	LEVITON	DDMX1 (MLV, LED, INC, HLGN)	450/1000	2	Pass										1	10																									
35	COOPER	RF9640-ND (Universal, ELV, MLV, LED, INC)	300w/600	2	Pass										1	10																									
36	COOPER	VSUL06D (Universal, ELV, MLV, LED, INC)	300w/600	2	Pass										1	10																									
37	COOPER	SUF7 (Universal, ELV, INC, HLGN)	450/600/700	2	Pass										1	10																									
38	COOPER	DUL06P-C2 (Universal, ELV, MLV, LED, Inc)	300w/600	2	Pass										1	10																									
39	LEVITON	DW6HD (Forward)	300w/600	2	Pass										1	10																									
40	COOPER	SAL06P (ELV, MLV, LED, INC, HLGN)	300w/600	2	Pass										1	10																									
41	Precision	MR4 2400 PLS 2-Channel Control Adaptive Phase	1200/1200																																						
42	Overdrive	ODMR0205 2-Channel control, 10-amps	600/600																																						
Power Factor		0.939																																							
Volt		123																																							
Watts		11.41																																							
Amps		0.098																																							
Frequency		60																																							

Unlike incandescent bulbs, LEDs 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 dimmer like the Lutron DVELV-300P series will almost always silence noise from most LED products. (Neutral connection required)