

Visual Dimmer Testing Report Card

DATE TESTED 9/22/2020



Product Model # TH484, TH485, TH486, TH487

24w LED SQUARE DUALTRACK HEAD

| MANUFACTURER | MODEL | DIMMER MAX WATT RATING | NUMBER LAMPS TESTED | OVERALL RESULTS | VISUAL RANGE | H.E. DEAD TRAVEL | L.E. DEAD TRAVEL | STEPPY DIMMING | FLICKER | SHIMMER | AUDIO BLENSE | DOES NOT TURN OFF/ON | POPCORN | MIN/MAX LAMPS | Dimming % | Good | Better | Best | Notes: High trim required |
|--------------|--------------|---|---------------------|-----------------|--------------|------------------|------------------|----------------|---------|---------|--------------|----------------------|---------|---------------|-----------|------|--------|------|---|
| | | | | | | | | | | | | | | | | | | | |
| 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 (Adorn Tru Universal) | 450 | 2 | Pass | | | | | | | | | 1 | 10 | | | | |
| 9 | LEVITON | IPE04-1L (ELV) | 450 | 2 | Pass | | | | | | | | | 1 | 10 | | | | |
| 10 | LEVITON | 6674 (Universal 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 | MAELV-153M Maestro (C.L) | 150 | 2 | Pass | | | | | | | | | 1 | 10 | | | | |
| 16 | LUTRON | NTCL-250 NovaT (C.L) | 250 | 2 | Pass | | | | | | | | | 1 | 10 | | | | |
| 17 | LUTRON | SLV/DVCLV-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 | 22.74 | | | | | | | | | | | | | | | | | |
| | Amps | 0.196 | | | | | | | | | | | | | | | | | |
| | 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 DVCLV-300P series will almost always silence noise from most LED products. (Neutral connection required)