LEVITON | ConTech

DATE PROJECT

TYPE CATALOG NO.

CTL825 V SERIES | 03 Track Luminaires Dimming Specifications

- Incandescent 120V AC Dimmers adjust the light with *Forward Phase Control*, where the Dimmer "chops" the forward part of the AC Wave to deliver less or more power to the light source. No Neutral Wire Connection required.
- Electronic Low Voltage 120V AC Dimmers adjust the light with *Reverse Phase Control*, where the Dimmer "chops" the back part of the AC Wave to deliver less or more power to the light source. Neutral Wire Connection required.
- 0–10V DC Low Voltage Dimmers operate using two (2) Low Voltage Dimming Wires that are separate from the 120V or 277V AC Power. The Dimmer sends a Variable Output Voltage to the luminaire based upon the dimming level. 10V Corresponds to undimmed operation, 5V to 50% and so on. Switching On/Off is controlled with the Line Voltage Power Input to the Dimmer (120V or 277V AC). Dimming operation is controlled with the 0–10V DC Low Voltage Wiring Connection between the Dimmer and the LED Driver. The Control Signal runs on two (2) low voltage control wires color coded Violet and Pink/Gray.

		Dimming Range[1]	
Manufacturer	**Model**	Min	Max
Leviton	VPE06	4%	100%
Leviton	6673–10W	11%	100%
Lightolier	ZP260QEW	0%	100%
Lutron	DVCL–153P	0%	100%
Lutron	TGCL–153P	0%	100%
Lutron	DVELV303P	3%	100%
Lutron	SELV300P	3%	100%
Lutron	MAELV600	0%	100%
Lutron	FAELV500	7%	100%
Lutron	SCL–153P	0%	100%
Lutron	MACL–153M	0%	99%
Lutron	RRD–6CL	2%	98%
Lutron	SF10P	2%	98%

NOTES

1. If light is measured, then the dimming range is based on light output. If light is not measured, then the dimming range is based on the percentage of output current.
2. Testing was performed with a single fixture connected to dimmer.
3. Testing has been performed on these dimmers, but this does not imply any warranty of compatibility.
4. Dimming performance can be influenced by different loads, as well as variations in dimmer switches within the same model.
5. Dimmer maximum load rating with LED may differ from published traditional source dimmer ratings. Consult manufacturer for maximum dimmer information.
6. Consult factory for additional dimming information.