



LED Driver Dimming

TRP's dimmable Constant-Current LED Drivers for 0-10V Dimming offer a variety of options and configurations. This list details the specific wiring required to assure full light output. In many cases, a dimmable model can also substitute for a non-dimming model which may not be available.

Note: Minimum dimming does not turn off these devices; they still consume power. Switch the power off to fully power down.

Watts	Model	Dimming Min.	Full Output	Light Output <i>(all leads open)</i>	Resistance Dimming	Passive Dimmer	Active Dimming	Dimming leads
25	LED25W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-025Sxxx-DT	20-30%	Short Yellow & Purple; cap off Green	90%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Green; cap off Yellow	Yellow/Purple/Green
	VLED25W-xx-Cxxxx-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Gray; cap off Yellow	Yellow/Purple/Gray
30	LED30W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
35	TRC-035Sxxx-DT	20-30%	Short Yellow & Purple; cap off Green	90%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Green; cap off Yellow	Yellow/Purple/Green
	LED35W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
40	LED40W-xx-Cxxxx-D (LED40W-xx-Cxxxx-D3)	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray (Yellow/Purple/Gray)
	LED40W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
	TRC-040SxxxDS	20-30%	Short Yellow & Purple; cap off Green	90%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Green; cap off Yellow	Yellow/Purple/Green
	VLED40W-xx-Cxxxx-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Gray; cap off Yellow	Yellow/Purple/Gray
50	LED50W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-050Sxxx-DT	20-30%	Short Yellow & Purple; cap off Green	90%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Green; cap off Yellow	Yellow/Purple/Green
	VLED50W-xx-Cxxxx-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray; cap off Yellow	Connect 0-10V source to Purple & Gray; cap off Yellow	Yellow/Purple/Gray
60	LED60W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	LED60W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
75	LED75W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	LED75W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
	LEG75W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	PLED75W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-075SxxxDT-NL	10%	Short Yellow & Purple; cap off Green	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Purple & Gray; cap off Green	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
	TRC-075SxxxDT	10%	Cap off all three dimming leads	100%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
	TSC75W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray

TRP LED Dimming Guide,
Page 2

Watts	Model	Dimming Min.	Full Output	Light Output <i>(all leads open)</i>	Resistance Dimming	Passive Dimmer	Active Dimming	Dimming leads
90	LED90W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	LED96W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
	PLED96W-xx-Cxxxx-D (PLED96W-xx-Cxxxx-D3)	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray (Yellow/Purple/Gray)
100	TRC-096SxxxDT	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	LED100W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	LED100W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
	LEG100W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-100SxxxDT	10%	Cap off all three dimming leads	100%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
120	TRC-100SxxxDT-NL	10%	Short Yellow & Purple; cap off Green	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Purple & Gray; cap off Green	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
	LEG120W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	PLED120W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-120SxxxDT	10%	Cap off all three dimming leads	100%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
150	TRC-120SxxxDT-NL	10%	Short Yellow & Purple; cap off Green	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Purple & Gray; cap off Green	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
	LED150W-xx-Cxxxx-M-D	10%	Short Yellow & Purple; cap off Gray	100%	Connect resistor to Yellow & Purple	Connect Driver Yellow & Purple to Dimmer Yellow & Purple	Connect a 0-10V source to the Yellow & Purple	Yellow/Purple/Gray
	LEG150W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	PLED150W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-150SxxxDT	10%	Cap off all three dimming leads	100%	Connect resistor to Purple & Green	Connect Driver Purple & Green to Dimmer Purple & Gray; cap off Yellow	Connect a 0-10V source to the Purple & Green; cap off Yellow	Yellow/Purple/Green
	TSC150W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
200	VLED150W-xxx-Cxxxx-D	10%	Cap off all three dimming leads	100%	Connect resistor to Purple & Gray	Connect Driver Purple & Gray to Dimmer Purple & Gray; cap off White-Black	Connect 0-10V source to Purple & Gray; cap off White-Black	White-Black/Purple/Gray
	PLED200W-xx-Cxxxx-D	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Purple & Gray to Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray
	TRC-200Sxxx-DT	10%	Cap off both Purple & Gray individually	100%	Connect resistor to Purple & Gray	Connect Purple & Gray to Purple & Gray	Connect a 0-10V source to the Purple & Gray	Purple/Gray