

0-10V drivers (D010) - Compatible controls:

- Lutron Diva DVSTV (Wallbox dimmer)
- Lutron Nova T NTSTV (Wallbox dimmer)
- Lutron Maestro MS-Z101/MS-Z101-V (Wallbox dimmer/sensor)
- Lutron PowPak 0-10V RMJ-5T-DV-B (Energi Tripak)
- Lutron GRX-TVI (0-10V interface for Grafik QS and some commercial dimming panels)
- Lutron TVI-LMF-2A (EcoSystem to 0-10V interface)
- Lutron QSN-4T16-S (Energi Savr Node 0-10V)
- Lutron TVM2 module (HomeWorks and commercial dimming panels)

Maximum Lead Length (Constant Current)*

Wire Gauge	Maximum Lead Length
18	72 ft (22 m)
16	118 ft (36 m)
14	150 ft (46 m)
12	200 ft (61 m)

*Actual distance must be calculated by installer.
Must comply with NEC code.

Maximum Lead Length (Constant Voltage 24V)*

	Load per driver		
	≤48W	≤72W	≤96W
#18AWG	37'	25'	18'
#16AWG	59'	39'	29'
#14AWG	95'	63'	47'
#12AWG	151'	101'	75'
#10AWG	241'	160'	120'

Lutron EcoSystem drivers - Compatible controls:

Lutron EcoSystem Compatible Controls	Part Number		Drivers per Control		
	120 V~	277 V~	EcoSystem Loops per Control	Drivers per EcoSystem Loop	Maximum Drivers per Control
PowPak Dimming Modules	RMJ-ECO32-DV-B		1	32	32
	FCJ/FCJS-ECO ¹ ,		1	3	3
Energi Savr Node	QSN-1ECO-S	N/A	1	64	64
	QSN-2ECO-S		2	64	128
GRAFIK Eye QS / HomeWorks QS control unit	QSGRJ-_E (wireless) QSGR-_E	N/A	1	64	64
Quantum Hub	QP2-__2C	N/A	2	64	128
	QP2-__4C		4	64	256
	QP2-__6C		6	64	384
	QP2-__8C		8	64	512
HomeWorks QS / myRoom Plus power module	LQSE-2ECO-D	N/A	2	64	128

¹ All devices connected to one FCJ/FCJS-ECO will be controlled together. Devices will dim to the same level as the result of a control command. For more detail on adjusting low-end light level refer to Application Note #556 (048556) at www.lutron.com

Wire Gauge	Maximum Lead Length (Constant Current)		
	150 mA to 700 mA	710 mA to 1.50 A	1.51 A to 2.10 A
18 AWG (0.75 mm ²)	30 ft (9 m)	15 ft (4.5 m)	10 ft (3 m)
16 AWG (1.5 mm ²)	35 ft (10.5 m)	25 ft (7.5 m)	15 ft (4.5 m)
14 AWG (2.5 mm ²)	50 ft (15 m)	40 ft (12 m)	25 ft (7.5 m)
12 AWG (4.0 mm ²)	100 ft (30 m)	60 ft (18 m)	40 ft (12 m)

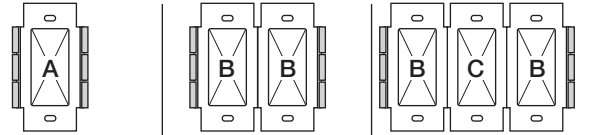
Wire Gauge	Maximum Lead Length (Constant Voltage 24V)
18 AWG (0.75 mm ²)	25 ft (7.62 m)
16 AWG (1.0 mm ²)	40 ft (12.2 m)
14 AWG (1.5 mm ²)	60 ft (18.3 m)
12 AWG (2.5 mm ²)	100 ft (30.5 m)
10 AWG (4.0 mm ²)	150 ft (45.7 m)

Wire Gauge	Digital EcoSystem Link Length (max)
12 AWG	2200 ft
14 AWG	1400 ft
16 AWG	900 ft
18 AWG	550 ft

Lutron Forward Phase drivers - Compatible controls:

Controls Requiring Neutral

Compatible Controls: Lutron Neutral-wire Dimmers



Product	Part Number	Low-End Setting/ Load-Type Setting ¹	Drivers per Control		
			A: Not Ganged	B: End of Gang	C: Middle of Gang
RadioRA 2 adaptive dimmer*	RRD-6NA-	Hi-lume 1% 2-Wire LTE LED ²	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
RA2 Select/RadioRA 2 600 W dimmer	RRD-6ND	Hi-lume 1% 2-Wire LTE LED ²	1–8, 350 W max	1–8, 350 W max	1–8, 350 W max
RadioRA 2 1000 W dimmer*	RRD-10ND-	Set Device type to “INC/MLV Neutral Dimmer”; Set High-End Trim to 99%; Set Low-End Trim to 35%	1–13	1–13	1–13
RadioRA 2 Architectural RF GRAFIK T phase selectable dimmer ³	RRT-G5NEW- ³	Trim low-end per APM App Note (Lutron P/N 048534)	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
RadioRA 2 Architectural RF GRAFIK T dimmer	RRT-G25LW-	Trim low-end per APM App Note (Lutron P/N 048534)	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
RadioRA 2 C•L hybrid seeTouch keypad	RRD-HN	Hi-lume 1% 2-Wire LTE LED	1–10, 200 W max	1–10, 200 W max	1–10, 200 W max
RadioRA 2 GRAFIK T C•L hybrid keypad	RRT-GH	Hi-lume 1% 2-Wire LTE LED	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS adaptive dimmer*	HQRD-6NA-	Hi-lume 1% 2-Wire LTE LED ²	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS 600 W dimmer*	HQRD-6ND-	Hi-lume 1% 2-Wire LTE LED ²	1–8, 350 W max	1–8, 350 W max	1–8, 350 W max
HomeWorks QS 1000 W dimmer*	HQRD-10ND-	Hi-lume 1% 2-Wire LTE LED ²	1–13	1–13	1–13
Maestro Wireless 600 W dimmer*	MRF2-6ND-120-	Trim low-end per APM App Note (Lutron P/N 048370)	1–8, 350 W max	1–8, 350 W max	1–8, 350 W max
Vive Maestro Wireless 600 W dimmer*	MRF2S-6ND-120-	Trim low-end per APM App Note (Lutron P/N 048370)	1–8, 350 W max	1–8, 350 W max	1–8, 350 W max
HomeWorks QS GRAFIK T hybrid keypad	HQRT-GH	Hi-lume 1% 2-Wire LTE LED	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS Architectural GRAFIK T dimmer	HQRT-G25LW-	Hi-lume 1% 2-Wire LTE LED	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS Architectural GRAFIK T phase selectable dimmer ³	HQRT-G5NEW- ³	Hi-lume 1% 2-Wire LTE LED	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS designer C•L hybrid seeTouch keypad	HQRD-HN	Hi-lume 1% 2-Wire LTE LED	1–10, 200 W max	1–10, 200 W max	1–10, 200 W max
GRAFIK T C•L 250 W dimmer*	GT-250M-, GTJ-250M-	Set low-end trim per dimmer installation instructions	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
Caséta Wireless Pro 1000 W dimmer*	PD-10NXD-	Trim low-end per instructions at www.casetawireless.com/lowend	1–13	1–13	1–13
Caséta Wireless phase selectable dimmer ³	PD-5NE- ³	Trim low-end per instructions at www.casetawireless.com/lowend	1–20, 400 W max	1–20, 400 W max	1–20, 400 W max
Maestro PRO phase selectable dimmer	MA-PRO ³	Trim low-end per APM App Note (Lutron P/N 048703)	1–20, 400 W max	1–20, 400 W max	1–20, 400 W max

Note: All wattages are in terms of input wattage to the LED driver.

* See note on page 35 for control compatibility.

¹ Setting the low-end trim and load type is necessary to ensure optimal performance and 1% dimming capability.

Note: For information about Legacy Product use in existing control application, contact LEDs@lutron.com

² Also listed as “LED Lutron A-Series 2-Wire” or “Hi-lume A-Series LTE LED Driver 2-Wire” in previous software releases.

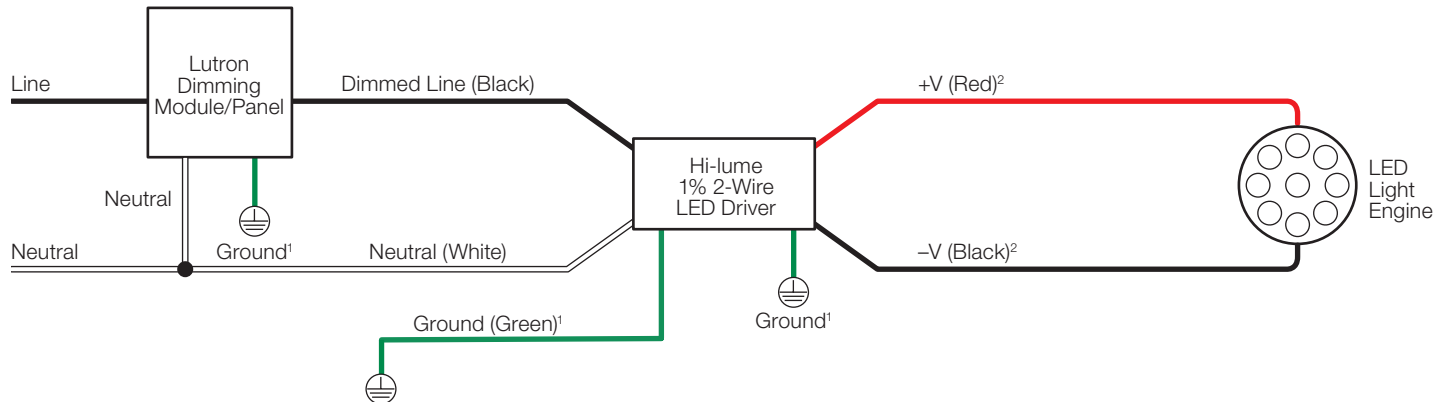
³ Not compatible in default mode (reverse-phase). Dimmer must be changed to forward-phase.

Lutron Forward Phase drivers - Compatible controls:

Controls Requiring Neutral (continued)

Note: Colors shown correspond to terminals on driver.

Wiring Diagram



¹ Ground wire connection available on K case models only. Fixture and driver case must be grounded in accordance with local and national electrical codes.

² For maximum driver-to-LED light engine wire length, see charts in **Driver Leads** section at the end of the document.

Compatible Controls: Lutron Dimming Modules/Panels

Guaranteed performance specifications with the controls listed in the chart below.

For assistance selecting controls, contact our LED Center of Excellence at 1.877.DIM.LED8 or LEDs@lutron.com

Product	Part Number	Drivers per Control	Low-End Setting/Load-Type Setting ¹
myRoom DIN power module*	MQSE-4A1-D	1–6 (per output); 1 A maximum driver input current	Hi-lume 1% 2-Wire LTE LED ²
HomeWorks QS DIN power module*	LQSE-4A1-D	1–6 (per output); 1 A maximum driver input current	Hi-lume 1% 2-Wire LTE LED ²
HomeWorks QS Phase Adaptive DIN power module ³	LQSE-4A-120-D ³	1–6 (per output); 2 A maximum driver input current	Hi-lume 1% 2-Wire LTE LED ²
HomeWorks QS wallbox power module*	HQRJ-WPM-6D-120	1–10 (per output); 26 total per module	Hi-lume 1% 2-Wire LTE LED ²
HomeWorks wallbox power module*	HWI-WPM-6D-120	1–10 (per output); 26 total per module	Set load type to “GRX-FDBI” or “GRX-TVI”
GRAFIK Eye QS control unit*	QSGR-, QSGRJ-	1–10 (per output); 26 total per unit	Set load type to “Fluorescent Module”
GRAFIK Eye 3000 control unit*	GRX-3100-, GRX-3500-	1–10 (per output); 26 total per module	Set load type to “GRX-FDBI” or “GRX-TVI”
RPM-4U module (LCP, HomeWorks QS, GRAFIK Systems, Quantum)*	HW-RPM-4U-120, LP-RPM-4U-120	1–26 (per output); 26 total per module	Hi-lume 1% 2-Wire LTE LED ² Set load type to “2-1”
RPM-4A module (LCP, HomeWorks QS, GRAFIK Systems, Quantum)*	HW-RPM-4A-120, LP-RPM-4A-120	1–13 (per output); 26 total per module	Hi-lume 1% 2-Wire LTE LED ² Set load type to “2-1”
GP dimming panels*	Various	1–26	Set load type to “2-1”

* See note on page 35 for control compatibility.

¹ Setting the low-end trim and load type is necessary to ensure optimal performance and 1% dimming capability.

² Also listed as “LED Lutron A-Series 2-Wire” or “Hi-lume A-Series LTE LED Driver 2-Wire” in previous software releases.

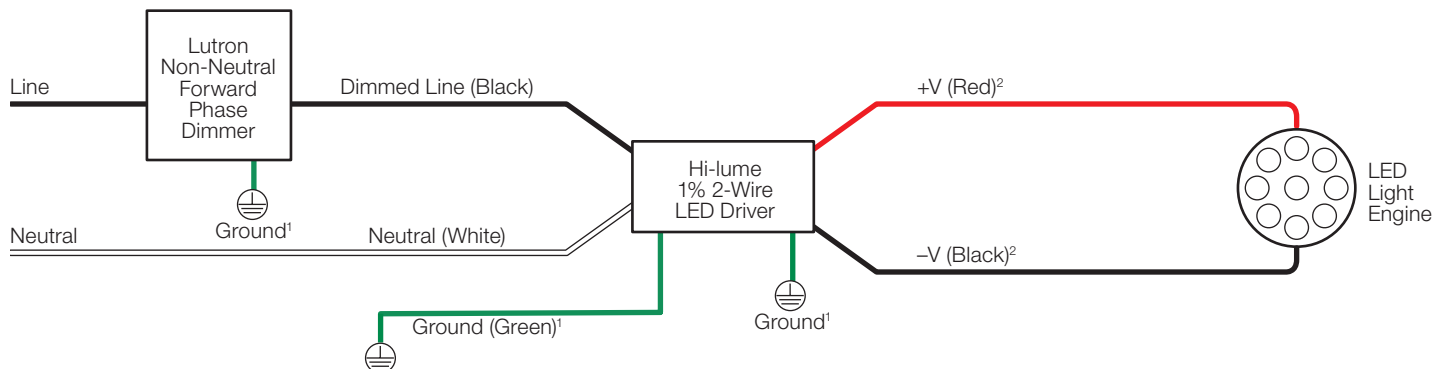
³ Not compatible in default mode (reverse-phase). Additional configuration is necessary in forward-phase.

Lutron Forward Phase drivers - Compatible controls:

Controls Not Requiring Neutral

Note: Colors shown correspond to terminals on driver.

Wiring Diagram



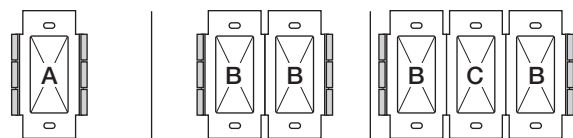
¹ Ground wire connection available on K case models only. Fixture and driver case must be grounded in accordance with local and national electrical codes.

² For maximum driver-to-LED light engine wire length, see charts in **Driver Leads** section at the end of the document.

Compatible Controls: Lutron Non-Neutral Dimmers

Guaranteed performance specifications with the controls listed in the chart below.

For assistance selecting controls, contact our LED Center of Excellence at 1.877.DIM.LED8 or LEDs@lutron.com



Product	Part Number	Low-End Setting/Load-Type Setting ¹	Drivers per Control		
			A: Not Ganged	B: End of Gang	C: Middle of Gang
Ariadni C•L 250 W dimmer*	AYCL-253P-	Set low-end trim dial to 1 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-8, 350 W max	1-8, 350 W max	1-8, 350 W max
Ariadni C•L 150 W dimmer	TGCL-153P-, AYCL-153P-	Set low-end trim dial to 1 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-6, 250 W max	1-6, 250 W max	1-6, 250 W max
Diva C•L 250 W dimmer*	DVCL-253P- DVSCCL-253P-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-8, 350 W max	1-8, 350 W max	1-8, 350 W max
Diva C•L 150 W dimmer	DVCL-153P- DVSCCL-153P-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-6, 250 W max	1-6, 250 W max	1-6, 250 W max
Nova T★ C•L 250 W dimmer*	NTCL-250-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-10, 400 W max	1-10, 400 W max	1-10, 400 W max
Lumea C•L 150 W dimmer	LECL-153P-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-6, 250 W max	1-6, 250 W max	1-6, 250 W max
Skylark C•L 150 W dimmer	SCL-153P-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-6, 250 W max	1-6, 250 W max	1-6, 250 W max
Contour C•L 150 W dimmer	CTCL-153P-	Set low-end trim dial to 10 o'clock. Adjust slightly if needed. See dimmer installation instructions on how to adjust low-end trim.	1-6, 250 W max	1-6, 250 W max	1-6, 250 W max

Note: All wattages are in terms of input wattage to the LED driver.

* See note on page 35 for control compatibility.

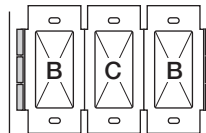
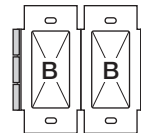
¹ Setting the low-end trim and load type is necessary to ensure optimal performance and 1% dimming capability.

Note: For information about Legacy Product use in existing control application, contact LEDs@lutron.com

Lutron Forward Phase drivers - Compatible controls:

Controls Not Requiring Neutral (continued)

Compatible Controls: Lutron Non-Neutral Dimmers



Product	Part Number	Low-End Setting/Load-Type Setting ¹	Drivers per Control		
			A: Not Ganged	B: End of Gang	C: Middle of Gang
Maestro C•L 150 W dimmer	MACL-153M-	Trim low-end per APM App Note (Lutron P/N 048370)	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
Maestro C•L 150 W sensor	MSCL-OP153M-, MSCL-VP153M-	Trim low-end per APM App Note (Lutron P/N 048370)	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
Vive Maestro C•L 150 W dimmer	MRF2S-6CL-	Trim low-end per APM App Note (Lutron P/N 048370)	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
GRAFIK T C•L 150 W dimmer	GTJ-150-	Set low-end trim per dimmer installation instructions	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
Maestro Wireless C•L 150 W dimmer	MRF2-6CL-	Trim low-end per APM App Note (Lutron P/N 048370)	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
RadioRA 2 C•L 150 W dimmer	RRD-6CL-	Set low-end trim per dimmer installation instructions	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
HomeWorks QS Designer C•L 150 W dimmer	HQRD-6CL-	Hi-lume 1% 2-Wire LTE LED	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
Caséta Wireless C•L Dimmer	PD-6WCL-	Trim low-end per instructions at www.casetawireless.com/lowend	1–6, 250 W max	1–6, 250 W max	1–6, 250 W max
RadioRA 2 Architectural RF GRAFIK T dimmer ²	RRT-G25LW-	Trim low-end per APM App Note (Lutron P/N 048534)	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
HomeWorks QS Architectural GRAFIK T dimmer ²	HQRT-G25LW-	Hi-lume 1% 2-Wire LTE LED	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max
GRAFIK T C•L 250 W dimmer ^{*,2}	GT-250M-, GTJ-250M-	Set low-end trim per dimmer installation instructions	1–10, 400 W max	1–10, 400 W max	1–10, 400 W max

Note: All wattages are in terms of input wattage to the LED driver.

* See note on page 35 for control compatibility.

¹ Setting the low-end trim and load type is necessary to ensure optimal performance and 1% dimming capability.

Note: For information about Legacy Product use in existing control application, contact LEDs@lutron.com

² Minimum number of drivers for GRAFIK T will vary based on the number of companion dimmers (model number GT-AD) connected. Refer to the GRAFIK T Spec Submittal, Lutron P/N 369826, at www.lutron.com This only applies when neutral is not connected.