

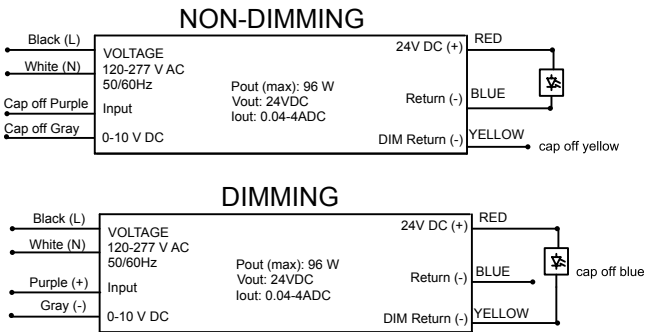
20 Linear - Constant Voltage driver information

Please refer to driver manufacturer's website for current data sheets and wiring guidelines.

LINEAR FEET PER DRIVER - CONSTANT VOLTAGE					
Driver	Wattage	Power [W / Ft]			
		L [3.0]	M [6.0]	H [10.0]	RGBW [8.0]
S*	96W	24'-0"	12'-0"	6'-0"	-
D010*	96W	24'-0"	12'-0"	6'-0"	-
L3DAE	40W	12'-0"	6'-0"	4'-0"	-
L3D0E	96W	24'-0"	12'-0"	6'-0"	-
DFPN	40W	12'-0"	6'-0"	4'-0"	-
EL96*	96W	24'-0"	12'-0"	6'-0"	-
DMX*	96W	24'-0"	12'-0"	6'-0"	8'-0"

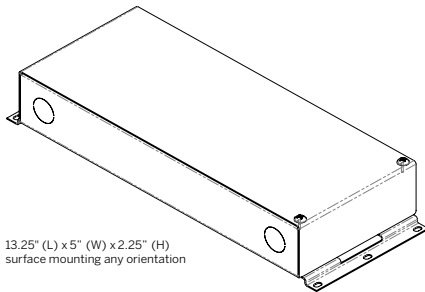
* Linear Feet per Driver assumes 80% reduction from full load.

S / D010 - EldoLED, Non-Dim or 10% 0-10V dimming, 120-277V [spec sheet](#)



Warning: if not connected to a 0-10V dimmer, driver MUST be wired as Non-dim. Not doing so can cause the driver and the fixtures to fail prematurely.

Dry Location Enclosure



Compatible/Recommended dimmers and interfaces*:

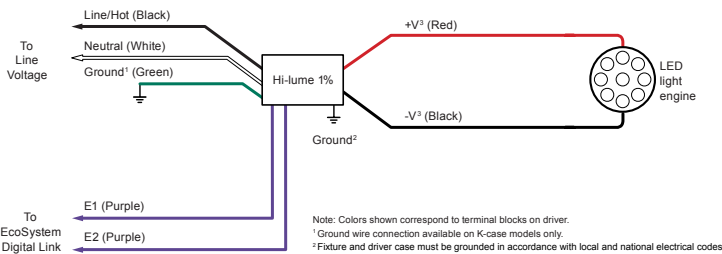
- Lutron Diva DVSTV (Wallbox dimmer)
- Lutron Nova T NTSTV (Wallbox dimmer)
- Lutron Maestro MS-Z101/MS-Z101-V (Wallbox dimmer/sensor)
- Lutron PowPak 0-10V RMJ-5T-DV-B (Energi Tripak)
- Lutron GRX-TVI (0-10V interface for Grafik QS and some commercial dimming panels)
- Lutron TVI-LMF-2A (EcoSystem to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

*Consult factory for any dimmer not listed

Maximum wiring distance*				
		Load per driver		
		≤48W	≤72W	≤96W
Wire gauge	#18AWG	37 ft (11.3 m)	25 ft (7.6 m)	18 ft (5.5 m)
	#16AWG	59 ft (18 m)	39 ft (11.9 m)	29 ft (8.8 m)
	#14AWG	95 ft (29 m)	63 ft (19.2 m)	47 ft (14.3 m)
	#12AWG	151 ft (46 m)	101 ft (30.8 m)	75 ft (22.9 m)
	#10AWG	241 ft (73.5 m)	160 ft (48.8 m)	120 ft (36.6 m)

* Voltage drop guide for 24VDC. Actual Voltage drop to be calculated by installer.

L3DAE = Lutron Hi-lume 1% EcoSystem, 120-277V [spec sheet](#)



Note: Colors shown correspond to terminal blocks on driver.
¹ Ground wire connection available on K-case models only.
² Fixture and driver case must be grounded in accordance with local and national electrical codes.

Dry Location Enclosure

Case type KL

K-case mounted on a 4" (102 mm) W x 1.5" (38 mm) H x 4" (102 mm) L junction box to provide wiring compartment



EcoSystem Controls			
Product	Model Number	Drivers per Control	Dimming
PowPak dimming module with EcoSystem	RMJ-ECO32-DV-B 3	32 per EcoSystem link	100%~1%
	FCJ-ECO, FCJS-ECO	3 per EcoSystem link ¹	100%~1%
Energi Savr Node with EcoSystem	2QSN-1ECO-S, QSN-2ECO-S	64 per EcoSystem link	100%~1%
GRAFIK Eye QS with EcoSystem	QSGRJ_-E, QSGR_-E	64 per EcoSystem link	100%~1%
Quantum	Various	64 per EcoSystem link	100%~1%

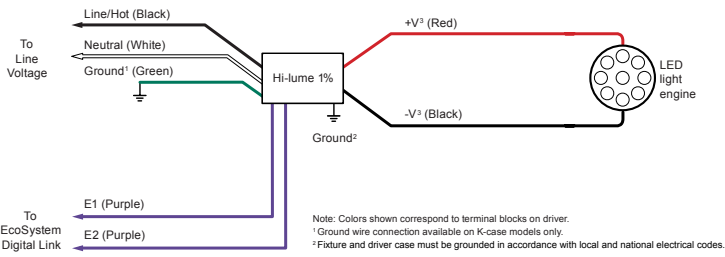
1 Up to 3 drivers controlled as a single zone (broadcast EcoSystem).

Maximum wiring distance*				
		10 V to 20 V	20.5 V to 40 V	40.5 V to 60 V
Wire gauge	24 AWG	2.5 ft (0.8 m)	4 ft (1.2 m)	8 ft (2.4 m)
	22 AWG	4 ft (1.2 m)	6 ft (1.8 m)	12 ft (3.7 m)
	20 AWG	6 ft (1.8 m)	10 ft (3 m)	20 ft (6.1 m)
	18 AWG	10 ft (3 m)	15 ft (4.6 m)	30 ft (9.1 m)
	16 AWG	15 ft (4.6 m)	25 ft (7.6 m)	50 ft (15.2 m)
	14 AWG	25 ft (7.6 m)	40 ft (12.2m)	75 ft (22.9 m)
12 AWG	40 ft (12.2 m)	60 ft (18.3 m)	100 ft (30.5 m)	

Terminal blocks on the drivers accept only solid 18 or 16 AWG (0.75 or 1.5 mm²) wire. To use wire gauges larger or smaller than this terminal blocks' rated gauge of 18 or 16 AWG (0.75 or 1.5 mm²) refer to the Terminal Wiring Gauges diagram at the end of this document. Connect up to 3 ft (0.9 m) of 18 or 16 AWG (0.75 or 1.5 mm²) wire to the LED driver terminal blocks, then connect 14 to 12 AWG (2.5 to 4.0 mm²) or 24 AWG to 20 AWG (0.20 mm² to 0.50 mm²) up to the length allowed in the above table.

20 Linear - Constant Voltage driver information

L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V [spec sheet](#)



Drivers are programmed to Linear dimming curve by default. Compatible/Recommended dimmers and interfaces*:

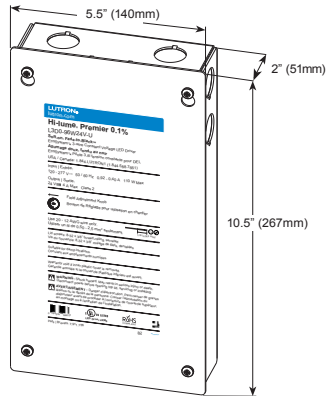
- PowPak Dimming Module with EcoSystem
- Lutron Nova T NTSTV (Wallbox dimmer)
- Lutron Maestro MS-Z101/MS-Z101-V (Wallbox dimmer/sensor)
- Lutron PowPak 0-10V RMJ-5T-DV-B (Energi Tripak)
- Lutron GRX-TVI (0-10V interface for Grafik QS and some commercial dimming panels)
- Lutron TVI-LMF-2A (EcoSystem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

*Consult factory for any dimmer not listed

Wire gauge*	Maximum wiring distance*
24 AWG (0.20 mm ²) ³	6 ft (1.8 m)
22 AWG (0.34 mm ²) ³	10 ft (3.0 m)
20 AWG (0.50 mm ²)	15 ft (4.5 m)
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) ³	150 ft (45.7 m)

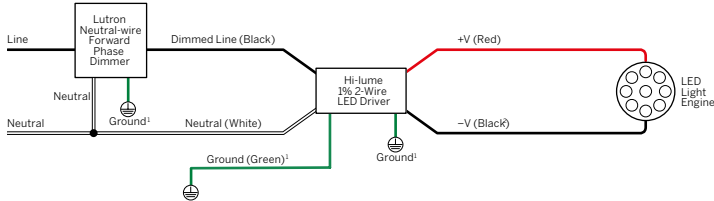
1 To use wire gauges larger or smaller than terminal blocks' rated gauge of 20 AWG to 12 AWG (0.50 mm² to 2.50 mm²), connect 12 in (30 cm) or less of rated wire from terminal and connect with larger or smaller wire.

Dry Location Enclosure

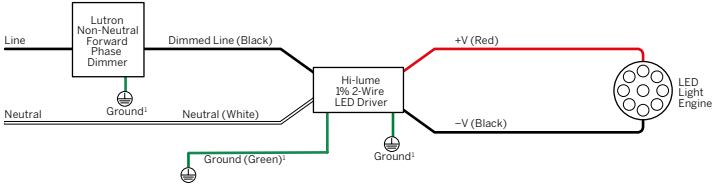


DFPN = Lutron Forward Phase 1%, 120VAC [spec sheet](#)

Wiring for Controls Requiring Neutral:



Wiring for Controls Not Requiring Neutral:



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.

See Drivers and Controls

Wire gauge	Maximum wiring distance*		
	10 V to 20 V	20.5 V to 40 V	40.5 V to 60 V
24 AWG	2.5'	4'	8'
22 AWG	4'	6'	12'
20 AWG	6'	10'	20'
18 AWG	10'	15'	30'
16 AWG	15'	25'	50'
14 AWG	25'	40'	75'
12 AWG	40'	60'	100'

*Terminal blocks on the drivers accept only solid 18 or 16 AWG (0.75 or 1.5 mm²) wire. To use wire gauges larger or smaller than this terminal blocks' rated gauge of 18 or 16 AWG (0.75 or 1.5 mm²) refer to the Terminal Wiring Gauges diagram at the end of this document. Connect up to 3 ft (0.9 m) of 18 or 16 AWG (0.75 or 1.5 mm²) wire to the LED driver terminal blocks, then connect 14 to 12 AWG (2.5 to 4.0 mm²) or 24 AWG to 20 AWG (0.20 mm² to 0.50 mm²) up to the length allowed in the above table.

Dry Location Enclosure

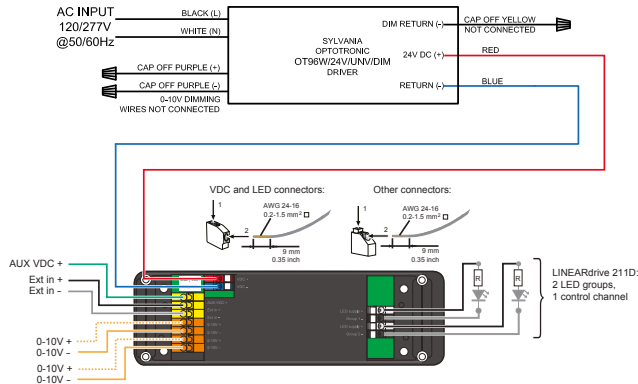
Case type KL

K-case mounted on a 4" (102 mm) W x 1.5" (38 mm) H x 4" (102 mm) L junction box to provide wiring compartment

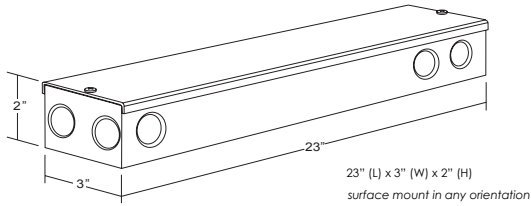


20 Linear - Constant Voltage driver information

EL96 = Osram / EidoLED, 24V, 1% 0-10V Dimming Driver spec sheet | DMX interface



Dry Location Enclosure



Compatible/Recommended dimmers and interfaces*:

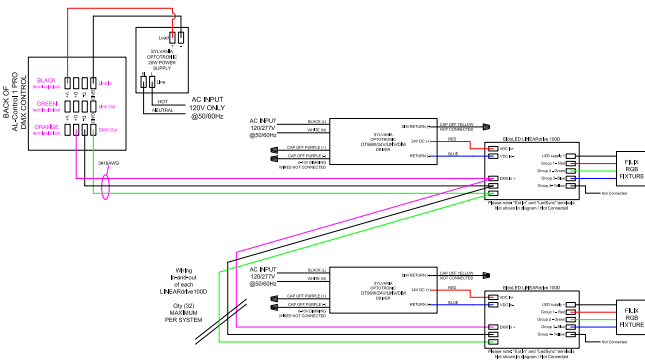
- Lutron Diva DVSTV (Wallbox dimmer)
- Lutron Nova T NTSTV (Wallbox dimmer)
- Lutron Maestro MS-Z101/MS-Z101-V (Wallbox dimmer/sensor)
- Lutron PowPak 0-10V RMJ-5T-DV-B (Energi Tripak)
- Lutron GRX-TVI (0-10V interface for Grafik QS and some commercial dimming panels)
- Lutron TVI-LMF-2A (EcoSystem to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

*Consult factory for any dimmer not listed

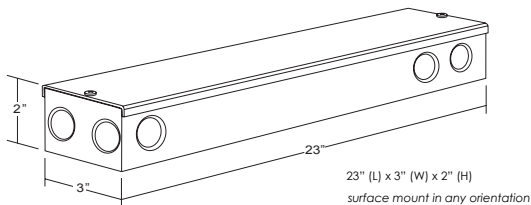
		Maximum wiring distance*		
		Load per driver		
		≤48W	≤72W	≤96W
Wire gauge	#18AWG	37 ft (11.3 m)	25 ft (7.6 m)	18 ft (5.5 m)
	#16AWG	59 ft (18 m)	39 ft (11.9 m)	29 ft (8.8 m)
	#14AWG	95 ft (29 m)	63 ft (19.2 m)	47 ft (14.3 m)
	#12AWG	151 ft (46 m)	101 ft (30.8 m)	75 ft (22.9 m)
	#10AWG	241 ft (73.5 m)	160 ft (48.8 m)	120 ft (36.6 m)

* Voltage drop guide for 24VDC. Actual Voltage drop to be calculated by installer.

EL96-DMX = Osram / EidoLED, 24V, 0.1% DMX Dimming Driver spec sheet | DMX interface



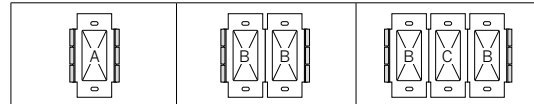
Dry Location Enclosure



		Maximum wiring distance*		
		Load per driver		
		≤48W	≤72W	≤96W
Wire gauge	#18AWG	37 ft (11.3 m)	25 ft (7.6 m)	18 ft (5.5 m)
	#16AWG	59 ft (18 m)	39 ft (11.9 m)	29 ft (8.8 m)
	#14AWG	95 ft (29 m)	63 ft (19.2 m)	47 ft (14.3 m)
	#12AWG	151 ft (46 m)	101 ft (30.8 m)	75 ft (22.9 m)
	#10AWG	241 ft (73.5 m)	160 ft (48.8 m)	120 ft (36.6 m)

* Voltage drop guide for 24VDC. Actual Voltage drop to be calculated by installer.

Controls Requiring Neutral Lutron Neutral-wire Dimmers



Product	Model Number(s)	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	1 – 10, 400 W max	1 – 10, 400 W max	1 – 10, 400 W max
RA2 Select / RadioRA 2 600 W	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 phase selectable dimmer	RRD-PRO ³	Hi-lume 1% 2-Wire LTE LED ²	1 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 400 W max
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 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 400 W max
GRAFIK T phase selectable dimmer ³	GT-5NEM-GTJ-5NEM- ³	Trim low-end per APM App Note (Lutron P/N 048534)	1 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 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
HomeWorks designer phase selectable dimmer	HQRD-PRO	3 Hi-lume 1% 2-Wire LTE LED ²	1 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 400 W max
HomeWorks architectural phase selectable dimmer	HQRA-PRO ³	Hi-lume 1% 2-Wire LTE LED ²	1 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 400 W max
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 – 20, 400 W max	1 – 20, 400 W max	1 – 20, 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
Caseta Wireless Pro 1000 W dimmer	PD-10NXD-	Trim low-end per instructions at www.casetawireless.com/lowend	1 – 13	1 – 13	1 – 13
Caseta Wireless phase selectable dimmer ³	PD-5NE- ³	Trim low-end per instructions at www.casetawireless.com/lowend	1 – 20, 400 W	1 – 20, 400 W	1 – 20, 400 W
Maestro PRO phase selectable dimmer	MA-PRO3	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.

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.

Controls Requiring Neutral Lutron Dimming Modules / Panels

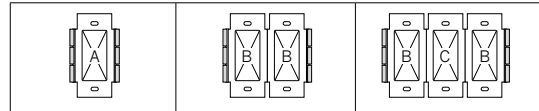
Product	Model Number(s)	Drivers per Control	Low-End Setting / Load-Type Setting
HomeWorks and myRoom DIN power module	LQSE-4A1-D, MQSE-4A1-D	1 – 6 (per output); 1 A maximum driver input current	Hi-lume 1% 2-Wire LTE LED ²
HomeWorks QS Phase Adaptive DIN power module	LQSE-4A-120-D	1 – 6 (per output); 2 A maximum driver input current	Hi-lume 1% 2-Wire LTE LED ²
PRO LED+ Phase Adaptive	LQSE-4A5-120-D, QSN-4A5-S	Zone 1: 1 – 20 (per output); 4 A maximum driver input current, Zone 2-4: 1 – 13 (per output); 3 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”

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.

DFPN Compatible Controls

Controls Not Requiring Neutral Lutron Non-Neutral Dimmers



Product	Model Number(s)	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
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 LE	1 – 6, 250 W max	1 – 6, 250 W max	1 – 6, 250 W max
Caseta 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.

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

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.