

4" ProTools Downlights (Shallow)

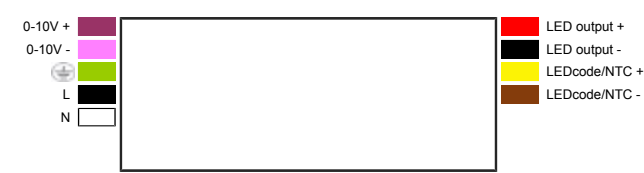
driver information



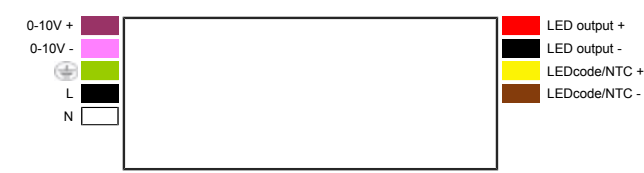
Please refer to driver manufacturer’s website for current data sheets and wiring guidelines.

INTEGRAL	DRIVER PART NUMBER	DRIVER WATTAGE	CONTROL PROTOCOL	DIMMING LEVEL	FIXTURES PER DRIVER			HOUSING [INTEGRAL]
					L [11W (350mA)]	M [15W (500mA)]	H [22.5W (700mA)]	
	S010	30W	0-10V	1%	1	1	1	LP - NC - IC - CP
	D010	30W	0-10V	0.1%	1	1	1	LP - NC - IC - CP
	SPH	20W	Triac / ELV	3%	1	1	-	LP - NC - IC - CP
	PEQ0	20W	EcoSystem	0.1%	1	1	-	LP - NC - IC - CP
	D2S	30W	DALI-2 (DT6)	0.1%	1	1	1	LP - NC - IC - CP

S010 = eldoLED 0-10V 1% dimming, 120-277V (30W) [spec sheet](#)



D010 = eldoLED 0-10V 0.1% dimming, 120-277V (30W) [spec sheet](#)



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driver information

Compatible 0-10V dimmers and switches*

DIMMER MANUFACTURER	WEBSITE	TYPE	RECOMMENDED DIMMING CURVE
Busch-Jaeger	www.busch-jaeger.de	2112U-101	Logarithmic
Jung	www.gb.jung.de	240-10	Logarithmic
Leviton Lighting Controls	www.leviton.com	IlumaTech - IP710-DLX	Logarithmic
Lightolier Controls	www.lightolier.com	ZP600FAM120	Logarithmic
Lutron Electronics	www.lutron.com/LEDtool	Nova T - NTFTV Diva - DVTV Diva - NFTV	Linear Linear Linear
Merten	www.merten.de	5729	Logarithmic
Pass & Seymour	www.legrand.us	CD4FB-W	Logarithmic
The Watt Stopper	www.wattstopper.com	DCLV1	Logarithmic
Sensor Switch	www.sensorswitch.com	nIO EZ	Linear
Synergy	www.synergylightingcontrols.com	ISD BC	Logarithmic

Compatible 0-10V dimming control systems*

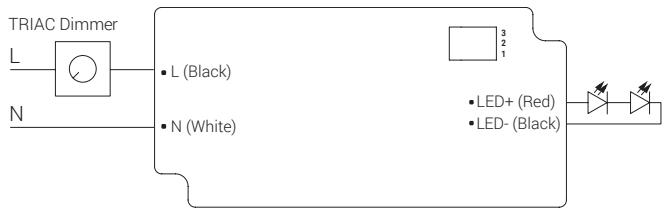
CONTROL MANUFACTURER	WEBSITE	TYPE	RECOMMENDED DIMMING CURVE
Lutron Electronics	www.lutron.com/LEDtool	GraphicEye - GRX-TVI w GRX3503 Energy Savr Node - QSN-4T16-S TVM2 Module Linear	Linear Linear Linear
Crestron	www.crestron.com	GLX-DIMFLV8 GLXP-DIMFLV8 GLPAC-DIMFLV4-* GLPAC-DIMFLV8-* GLPP-DIMFLVEX-PM GLPP-1DIMFLV2EX-PM GLPP-1DIMFLV3EX-PM L DIN-A08 DIN-4DIMFLV4 CLS-EXP-DIMFLV CLCI-1DIMFLV2EX	Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic Logarithmic
ABB	www.abb.com/KNX	IlumaTech - IP710-DLX	Logarithmic

* Compatibility with dimmers and controls systems not included in the above can be verified upon request. Please contact us and provide data sheets for the specified dimmer or control system.

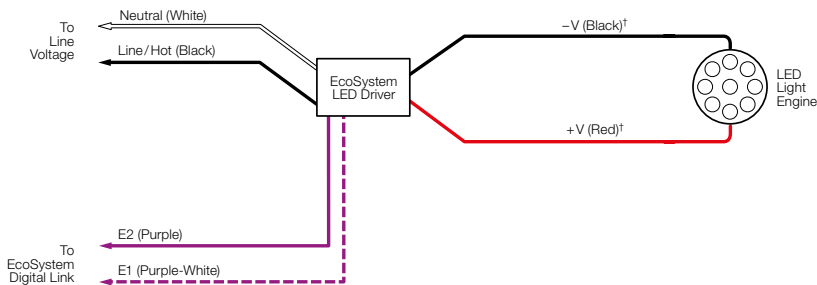
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SPH = Phase (2-wire) 3% dimming, 120V only (20W) [spec sheet](#)



PEQ0 = Lutron Hi-Lume Premier 0.1% EcoSystem dimming, 120-277V (20W) [spec sheet](#)



Compatible Controls for Lutron Hi-Lume Premier 0.1% EcoSystem, 120-277V

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

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

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D2S = DALI-2 (DT6) for Static White 0.1% dimming, 120-277V (30W) [spec sheet](#)

