




**Tu-Wire Ballast Models**

Lamp Type				120 VOLTS		277 VOLTS	
	Lamp Watts (length)	Lamps per ballast	Case Type	Ballast Current (amps)	Tu-Wire Model Number <sup>1</sup>	Ballast Current (amps)	Tu-Wire Model Number <sup>1</sup>
<b>T4 quad-tube 4-pin</b>  1/2" diameter	18W	2	B	.41	2W-T418-120-2-S	--	--
	26W	1	A	.27	2W-T426-120-1-S	--	--
		2	B	.53	2W-T426-120-2-S	--	--
<b>T4 triple-tube 4-pin</b>  1/2" diameter	18W	2	B	.41	2W-T418-120-2-S	--	--
	26W	1	A	.27	2W-T426-120-1-S	--	--
		2	B	.53	2W-T426-120-2-S	--	--
	32W	1	A	.33	2W-T432-120-1-S	--	--
		2	B	.58	2W-T432-120-2-S	--	--
<b>T8 linear and U-bent</b>  1" diameter	17W (24")	2	C	--	Consult factory	--	--
	25W (36")	1	C	--	Consult factory	--	--
		2	C	--		--	--
32W (48")	1	C	.37	2W-T832-120-1	--	--	
	2	C	.70	2W-T832-120-2	--	--	

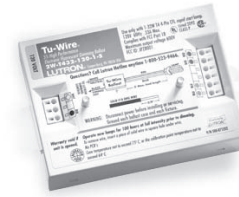


<sup>1</sup> Mounting studs standard for T4 ballasts. Delete suffix -S in the model number if mounting studs not needed.

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	

## Tu-Wire Overview

Tu-wire ballasts are primarily intended for retrofit applications where fluorescent dimming must be achieved without changing the existing switching wiring scheme. Tu-Wire ballasts require only two input wires (hot and neutral) that is used both for power and dimming control. Tu-wire ballasts offer high performance dimming from 100% down to 5% for linear and compact fluorescent lamps.



**Tu-Wire, case type A**  
3.00”w (76mm) x 1.00”h (25mm) x 4.90”l (124mm)

### Features

- Continuous, flicker-free dimming from 100% to 5%
- 2-wire line voltage control for wiring simplicity
- Models for T4 compact and T8 lamp types
- Programmed rapid start design will preheat lamp cathodes before applying full arc voltage
- Lamps turn on to any dimmed level without flashing to full brightness
- 1" high, low-profile design for use in low-profile architectural fixtures
- Frequency of operation ensures that ballast does not interfere with infrared devices operating between 38 and 42 kHz
- Inrush current limiting circuitry eliminate circuit breaker tripping, switch arcing, and relay failure
- End-of-lamp-life protection circuitry ensures safe operation throughout entire lamp life cycle for T4 lamps
- Ultra quiet operation
- Protected from shorts between any one lamp lead and ground
- Low-line voltage protection circuitry prevents damage to the ballast or lamps if the ballast is connected to an incompatible dimmer
- 100% compatible with all Lutron 2-wire fluorescent controls
- 100% performance tested at factory
- Designed and assembled in the USA
- 5-year limited warranty with Lutron field service commissioning (3-year standard warranty) from date of purchase
- Ballasts that dim T4 compact fluorescent lamps are intended for factory installation by OEM fixture manufacturers



**Tu-Wire, case type B**  
3.00”w (76mm) x 1.00”h (25mm) x 6.75”l (171mm)



**Tu-Wire, case type C**  
1.18”w (30mm) x 1.00”h (25mm) x 18.00”l (457mm)

<b>Job Name:</b>	<b>Model Numbers:</b>
<b>Job Number:</b>	

## Specifications

### Performance

- Dimming Range: 100% to 5% measured relative light output (RLO)
- Lamp Starting: programmed rapid start
- Minimum Lamp Starting Temperature: 10°C (50°F)
- Ambient Temperature Operating Range: 10°C (50°F) to 60°C (140°F)
- Relative Humidity: maximum 90% non-condensing
- Operating Voltage: 120V, 60Hz nominal line
- Lamp Current Crest Factor: less than 1.7
- Lamp Flicker: none visible
- Light Output: constant  $\pm 5\%$  light output for line voltage variations of  $\pm 10\%$
- Lamp Life: average lamp life meets or exceeds rating of lamp manufacturer
- Ballast Factor: greater than .85
- Power Factor: greater than .95
- Total Harmonic Distortion (THD): less than 20% at full light output
- Frequency of Operation: greater than 42kHz
- Maximum Inrush Current: 7 amps per ballast at 120V
- Sound Rating: Inaudible in a 27dBa ambient
- Maximum Ballast Case Temperature: 75°C (167°F)

### Standards

- UL Listed (evaluated to the requirements of UL935)
- CSA certified (evaluated to the requirements of C22.2 No. 74)
- Class P thermally protected
- Meets ANSI C82.11 High Frequency Ballast Standard
- Meets FCC Part 18 non-consumer requirements for EMI/RFI emissions
- Ballasts for 4-pin compact fluorescent lamps meet FCC Part 18 consumer requirements for EMI/RFI emissions
- Meets ANSI C62.41 Category A surge protection standards up to and including 6kV
- Manufacturing facilities employ ESD reduction practices that comply with the requirements of ANSI/ESD S20.20
- Lutron Quality Systems registered to ISO 9001.2000

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