



An easy transition

Philips Advance magnetic-to-electronic T12 cross reference sheet

The Department of Energy (DOE) Ballast Ruling that became effective in 2005, prevents the manufacture of magnetic replacement ballasts sold through electrical distribution after July 1, 2010. Philips Lighting Electronics offers a full line of electronic options that exceed the DOE performance requirements for T12 ballasts.

Reliable and energy-efficient, they offer excellent performance and up to 30% energy savings[†] relative to standard magnetic ballasts.* Save \$4 or more PER YEAR in a typical 2-lamp application!**

Whether your application calls for rapid start, slimline, or high output lamps, Philips Lighting Electronics offers a broad range of electronic ballasts for the maintenance and repair of existing T12 fixtures.

By designing our T12 electronic ballasts with the same mounting and wiring configurations as your current T12 magnetic models***, Philips Lighting Electronics makes converting to an electronic fixture effortless.

[†] When operating 2 F34T12 lamps on an ICN2540 vs R2S40TP ballast (62 vs. 72 input watts).

* Based on input watts of Philips Advance's REL-I S40-SC (35 watts) and R-I40-TP (50 watts) both operating a 40W lamp.

** Based on 10 watts saved at \$.10/kwh operated 4,000 hrs/yr.

*** T12 Slimline models require slightly different wiring.

IntelliVolt™ versions now available

- 2-lamp operation of 4' 34/40W T12 lamps
- 1 and 2 lamp operation of 8' 60/75W T12 slimline lamps
- 2-lamp operation of 8' 95/110W T12/HO lamps

Improved efficiency over magnetic counterparts

- Potential savings of up to 30% over magnetic ballasts*

Lighter weight with the same mounting and wiring configuration***

- Simplified installation

Quieter operation

- No more annoying hum from magnetic ballast

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No. of Lamps	Input Volts	Magnetic Catalog Number	Electronic Replacement Catalog Number	Input Power ANSI (Watts)	Ballast Factor	Lamp Starting Method	Ballast Family
F34T12, F34T12/U (34W)							
1	120	R-140-TP	RELB-IS40-SC	35	0.92	RS	AmbiStar
	277	V-140-TP	VEL-IS40-SC	31	0.88	RS	Standard
2	120-277	R/V-2S40-TP or R/V-2S34-TP	ICN-2S40-N	62-61	0.85	RS	Centium
	120	R-2S40-TP or R-2S34-TP	RELB-2S40-SC	62	0.85	RS	AmbiStar
F40T12, F40T12/U (40W)							
1	120	R-140-TP	RELB-IS40-SC	38	0.88	RS	AmbiStar
	277	V-140-TP	VEL-IS40-SC	35	0.85	RS	Standard
2	120-277	R/V-2S40-TP or R/V-2S34-TP	ICN-2S40-N	72-70	0.85	RS	Centium
	120	R-2S40-TP or R-2S34-TP	RELB-2S40-SC	72	0.85	RS	AmbiStar
F96T12/ES (60W) Slimline							
1	120	RSM-175-S-TP	ICN-2P60-SC	70	1.04	IS	Centium
	277	VSM-175-S-TP		68	1.04		
2	120	R-2E60-S-TP or R-2E75-S-TP		105	0.89	IS	Centium
	277	V-2E60-S-TP or V-2E75-S-TP		103	0.89		
F96T12 (75W) Slimline							
1	120	RSM-175-S-TP	ICN-2P60-SC	84	1.04	IS	Centium
	277	VSM-175-S-TP		82	1.04		
2	120	R-2E60-S-TP or R-2E75-S-TP		137	0.90	IS	Centium
	277	V-2E60-S-TP or V-2E75-S-TP		135	0.90		
F96T12/HO/ES (95W) HO[‡]							
2	120	R-2S110-TP	ICN-2S110-SC	154-151	0.89	RS	Centium
	277	V-2S110-TP					
F96T12/HO (110W)[‡]							
1	120	RS-110-TP	ICN-2S110-SC	100	0.91	RS	Centium
	277	VS-110-TP		92	0.91		
2	120	R-2S110-TP		194	0.89	RS	Centium
	277	V-2S110-TP		190	0.89		

[‡] Not affected by the DOE ballast legislation.



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