

A solution to T12 Ballasts after the magnetic ban

Electronic T12 Ballasts

Product line covers (2) F34T12 or F40T12 and Slimline (2) or (1) F96T12 or F96T12/ES

Effective July 1, 2010, the US Department of Energy will ban the manufacture and importation of T12 magnetic ballasts. These include the 1-lamp and 2-lamp F40T12 ballasts and 2-lamp F96T12 Slimline ballasts. These ballasts were banned for use in new luminaires in 2005, and have only been available for replacement purposes since then.

Fortunately Espen Technology offers electronic versions which are more efficient and quieter.



Energy Efficient

20% more efficient than magnetic counterpart
Lowers lighting operation costs

High frequency operation

No flickering. No humming - silent operation

Slim profile - uses mini can

Convenient transportation and installation
Versatility in design and retrofits
Will not interfere with ballast cover

Slimline ballasts feature parallel lamp operation

When one lamp fails the remaining lamp remains lit

Universal Voltage 120V-277V

Reduces SKUs and inventory pressures
Flexible installation

Exceeds Federal Ballast Efficiency Requirements

Significantly smaller and weighs less than magnetic ballast

20% more energy efficient than magnetic ballast



Electronic T12 Ballasts

Performance Data



Energy Saving Comparison

Electronic VE240MVHRP vs. Magnetic 2 x F34T12

Ballast	Lamp	Input Power	Annual Energy Cost
Magnetic 2 x F34T12	F34T12	74W	\$48.62
VE240MVHRP	F34T12	61W	\$40.00
Annual Energy Savings		13W	\$8.62

Electronic VE275MVHIP vs. Magnetic 2 x F96T12/ES

Ballast	Lamp	Input Power	Annual Energy Cost
Magnetic 2 x F96T12/ES	F96T12/ES	133W	\$87.38
VE240MVHRP	F96T12/ES	104W	\$68.33
Annual Energy Savings		29W	\$19.05

*4,380 hours based on 12 hours/day, 7 days/week.

** Based on wattage savings / 1000 x kWh rate (\$0.15/kWh).

Technical Data

No. of Lamps	Input Volts	Lamp Start Method	Ballast Family	Model No.	Input Power	Ballast Factor	Max. THD %	Line Current (Amps)	Min. Start. Temp. (°F/°C)	Dim. Dia.	Wiring Dia.	Symbols, Footnotes
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F34T12 - 34W

2	120-277	RS	Elite	VE240MVHRP	62-61	0.85	10	0.55-0.23	0/-18	C	8
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F40T12 - 40W

2	120-277	RS	Elite	VE240MVHRP	72-70	0.85	10	0.62-0.26	0/-18	C	8
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F96T12/ES - 60W

1	120-277	IS	Elite	VE275MVHIP	64	1.00	10	0.54-0.23	50/10	B	46
2	120-277	IS	Elite	VE275MVHIP	105-104	0.88	10	0.88-0.38	50/10	B	6

F96T12 - 75W

1	120-277	IS	Elite	VE275MVHIP	82-81	1.02	10	0.68-0.29	0/-18	B	46
2	120-277	IS	Elite	VE275MVHIP	135-133	0.88	10	1.13-0.49	0/-18	B	6

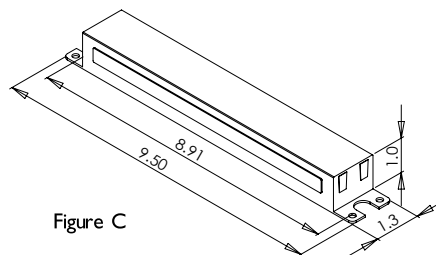


Figure C

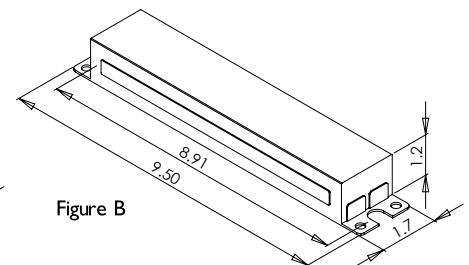


Figure B

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