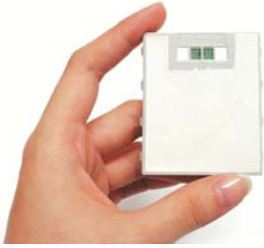


# Electronic Ballast Alternative

ENERGY SAVER FOR FLUORESCENT LAMPS, GAS DISCHARGE LAMPS & AIR-CONDITIONERS



Energy Saver

Proven technology since 1994!

## FEATURES & BENEFITS

- ☒ Achieve energy saving up to 38%. Excellent alternative over electronic ballast.
- ☒ Increase fluorescent tube lifespan up to 60%. This helps to reduce maintenance costs both over replacement and labour.
- ☒ Improve Power Factor hence reduce KVA maximum demand tariff.
- ☒ Reduce fluorescent tube heat loss up to 27% which in turns enable air conditioner saving.
- ☒ Quick payback time within 2 years, depending on operational hours and light fitting configuration.
- ☒ Product lifespan of 100,000 operations
- ☒ Simple and quick Do-It-Yourself installation

Savings and payback over electricity bills varies as it depends on operational hours, light fitting configuration and models used.

## BENEFITS OVER ELECTRONIC BALLAST

	Energy Saver	Electronic Ballast
Energy Saving	20% - 38%	10% - 20%
Heat Reduction	Yes, reduced	No, heat up lamp & ballast
Life Span	Very long	Short
Cost	Low	High
Payback Time	Within 2 years	3 to 5 years
On/Off Switching	More durable	Vulnerable
Tube Life *1	Increase up to 60%	Increase up to 60%
Tube Life *2	No change	Reduced by 25%
Size	About 10 times smaller	Bulky
Retrofit	Fast & easy (approx 2 mins)	Too costly on labour
Emergency lighting	Possible	Most models not possible
Device short circuit	Will not damage or trip	Trip and likely damaged
Operating Frequency	50Hz	20KHz to 48KHz
Harmful Harmonics	No	Yes
Improve Power Factor	Yes	Yes
System Current/Tube	0.14/0.15A	0.16/0.17A
Weight	30g	300g

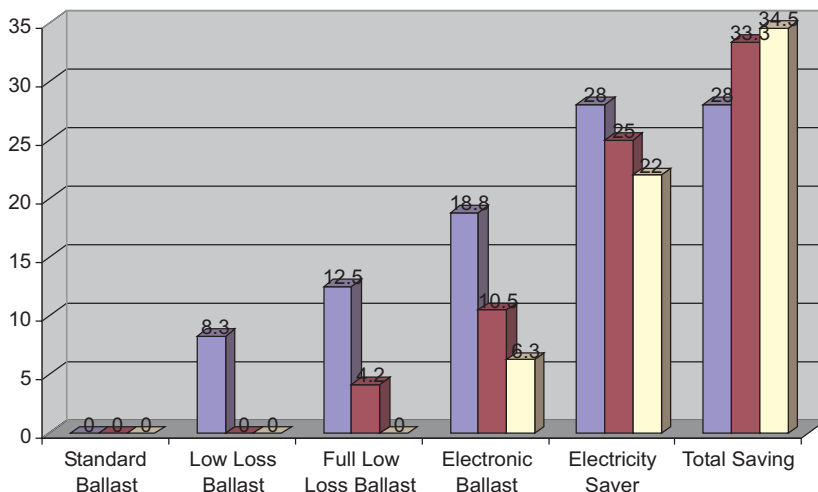
Note \*1

By reducing load on the lamp electrodes

Note \*2

Instant start switching reduce lamp life by 25%

## Energy Saving Percentage



■ Saving over Standard Ballast ■ Saving over Low Loss Ballast □ Saving over Full Low Loss Ballast

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