

ENERGY SAVING LIGHTING TRANSFORMERS



Save upto 15% in Energy with Prima ESLT



The Power to Transform in our - DNA!



Introducing Prima ESLT -

Prima ESLT are designed to save Energy on your Lighting Load with a negligible effect on luminosity.

PRIMA has a wide range of LIGHTING TRANSFORMERS which reduce the effects of

Power Line problems like noise, harmonics, spikes, surges, transients and neutral to a minimum with desired voltage for the Lighting Equipments & SAVES energy.

SPECIFICATIONS

- Standards: IS 2026, IS 11171, IEC 60076
- Rating: Up to 1000 KVA
- Voltage Class: up-to 5 kV
- Frequency: 50 Hz.
- Insulation Class: Class 'F' / Class 'H' /Class 'C'
- Winding Material: Electrolytic Copper/Aluminium.
- Indoor or Outdoor application
- Tap Types: Off Circuit Tap Links / On Load Tap Changer
- Enclosure Protection: IP Class as per requirement
- Termination: Bus Bars (Standard), Cable Boxes (on request)
- Cooling: AN (Neutral) / AF (Forced)



Energy Saving Lighting Transformer



Key Benefits of opting for PrimaESLT-

- Power saving of up to 15% in the lighting load
- Return-on-Investment in 8 to 24 months
- Life of lamps increases substantially resulting in reduced inventory and maintenance cost.
- Carbon Credit can be availed*
- PRIMA has 1 year manufacturer's warranty**
- Life of equipment is more than 15 years
- Easy to install & maintenance free.
- Environment friendly- pollution less

Best Suited for -

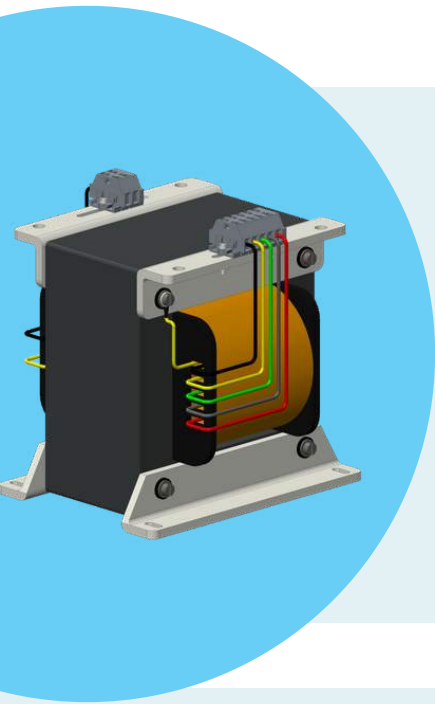
These Transformers are suitable where energy saving , safety, reliability and low noise levels are of the prime concern like: Airports, Power Plants, Chemical Plants, Ports, Electronics Industries, Steel & Cement Plants, Hospitals, Ships, High Rise Buildings, Stadiums, Hotels, Software Parks, Metro Railways, Textile Plants, Theaters, Multiplexes, Nuclear Stations, Oil Plants, Corporate offices

*Subject to availability

**On manufacturing defects, excluding site conditions



Technology guarantees quality



Design

Software Aided Design to assure precision
Ratings with margin on the higher end to ensure safety
Conforming to IS 2026, IS 11171 & IEC 60076 standards
Insulation Class - F, H, C
Controlled Temperature Rise

Manufacturing

Centralized operations for responsiveness & quality
Right balance of Automation & skilled workers
Fully equipped facility enabling in-house design to deliver
Low loss core assembly
Enamel Copper & CE marked Cables



PAY BACK PERIOD CALCULATION :

For example, your premises or factory have 63 KVA light load

Now it has been noticed that if you reduce the line voltage by 10-15% there is not much reduction of luminescence of lights but consumption get reduced (see below table) & you can save electrical energy & off-course the money.

Parameters	Ordinary Lighting Transformer	Prima ESLT (as per GTP)
Max. Connected Load	63 KVA	63 KVA
Secondary Voltage	415 V	378 V
Line Current	87 A	< 87 A
KWH/12Hr (at 0.9 PF)	674 Units	614 Units
Electricity Cost per unit	7 INR	7 INR
Projected Annual Electricity Bill	1722070 INR	1568770 INR
Savings	NIL	153300 INR
Efficiency at UPF (100% Load)	97%	99.68%
Temperature Rise	90 °C	83 °C
No load Watt loss	600 W	204 W

Considerations:

1. The data considers Prima ESLT being used at -10% voltage tapping on secondary
2. PrimaESLT comes with an optional tapping on the secondary to provide an option of connecting load at 415V.
3. Tapping options given on the primary side allows the customer to lower the output voltage further, resulting in increased savings.
4. This calculation is only considering the working of 12hr /day. If you have 24 hr/day, then kindly multiply the same amount by 2 respectively.
5. Lesser No-load Watt loss will save energy that is being consumed in the unloaded condition.

Note: Ordinary Lighting Transformer considered here is the widely available Transformer sold by various manufacturers, it is not of any specific make. There may be some case to case technical deviations.

Commissioning Prima ESLT, you will recover your transformer cost in less than two years.

Buying Prima ESLT will prove as your investment with impressive ROI

Get in touch with us and start saving!



About Prima Transformers

Prima Transformers is an ISO9001:2015 managed by tech-savvy professionals.

Being a major player in transformers & reactors manufacturing for 35 years, we have served more than 600 customers globally. We have focused all our research & resources on magnetics only and it has enabled us to have an unparalleled range of products.

Product Range

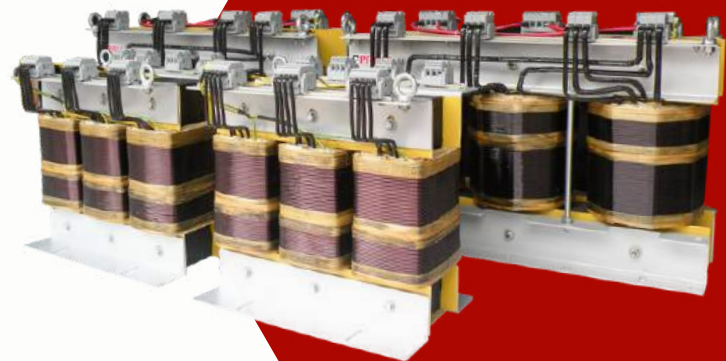
Transformers

- Control Transformers
- Lighting Transformers
- Auto Transformer Starters
- Isolation & Ultra Isolation Transformers
- Stepup Stepdown Transformers
- Servo Stabilizers
- Cast Resin Transformers



Reactors

- Line & Load Reactors (Input/Output Choke)
- Filter Reactor
- Booster Reactor
- Grid Reactor
- DC Choke
- Detuned Reactor
- Current Limited Reactor



The Power to Transform in our - DNA!






Our Customers:




Contact us:

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