

Applications



Street Lighting – Monitoring the City Lights – Eltam offers a comprehensive solution for controlling and monitoring street lights. From Electronic ballasts and LED Drivers through street controllers and management system, Eltam provides a complete customer solution with maximum flexibility.

Energy Saving – ELTAM’s Smart LED Drivers and EHID Ballasts can drastically reduce the city’s lighting expenditures in both energy savings (up to 50% savings) and maintenance (up to 30% savings). Using a simple dimming profile on Eltam’s LED Drivers and EHID Ballasts saves on energy and has a very short ROI. Connect to a management system and you can control each and every light point, receive intelligent reports, alerts and automatic dimming schedules and save even more on maintenance.

Indoor and Industrial Lighting – Eltam offers saving in energy consumption in shops, supermarkets, retail and logistics centers, industrial halls and warehouses. Using DALI protocol in both LED Drivers and EHID ballasts makes it easy to configure and re-configure the lighting system and save on energy cost.



• Energy Efficiency Systems:

ELTAM is an innovative leader in offering end-to-end Clean-Tech solutions for intelligent and efficient street lighting systems.

• In-House R&D and Engineering:

Years of Research and Development have brought ELTAM’s engineers to work in front-ends fields such as advanced Electro Magnetic and Electronic ballasts, LED technologies, lighting controllers, web based applications and much more in cutting edge lighting technology.

QA & Leading Standards:

Eltam complies with the following international standards:

- ISO 9001:2008 quality control systems
 - ISO 14001:2004 (Environmental Standard)
 - OHSAS 18001(Health and Safety Standard).
- Eltam also complies with the ISO TS 16949, which is the standard for the design, development and manufacturing of Automotive -related products.

Eltam’s products are approved by the VDE (German Association) Safety and Performance strict examinations process.

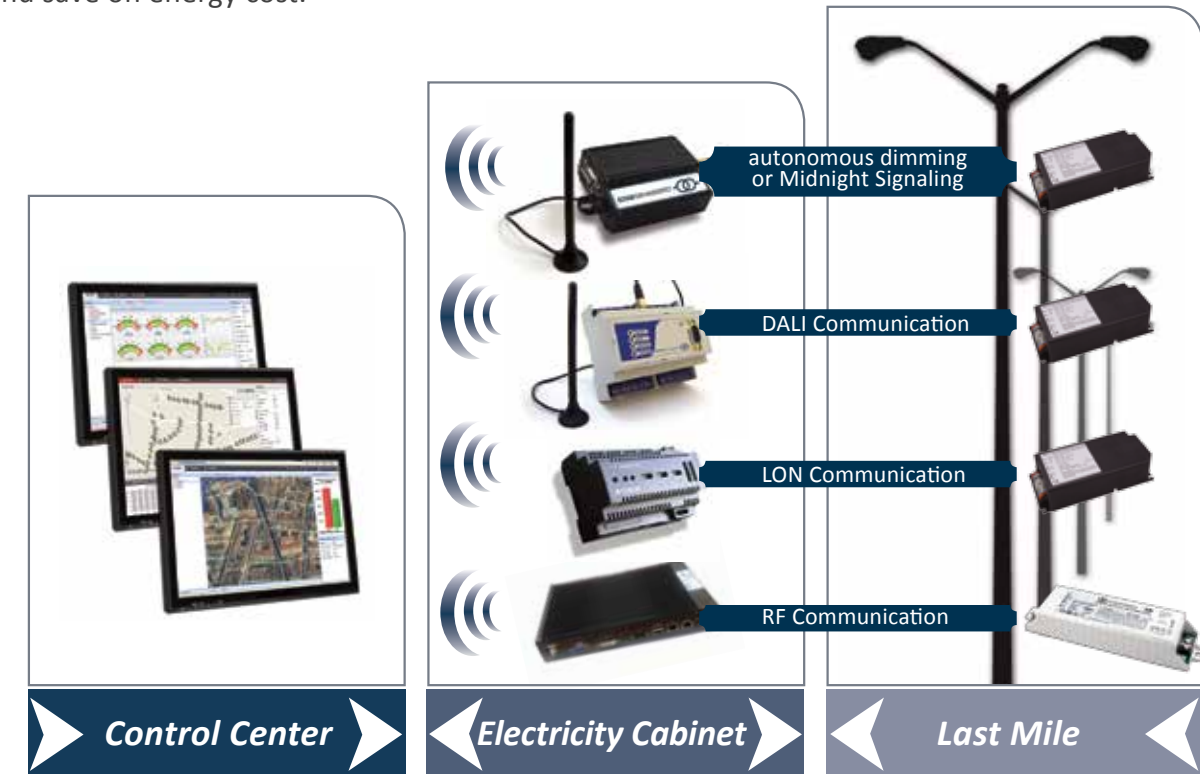
In addition, all of Eltam’s standard products are RoHS-compliant.



ad|design



Smart Lighting Technology – ELTAM Ein-Hashofet (established in 1967) is an international developer and manufacturer of lighting technologies. The company has more than 45 years of experience in operating all kinds of light sources. Over the years, Eltam has established itself as a manufacturer of high-quality energy efficient global lighting products and a provider of service and support that exceeds customer expectations.





Controlling and Monitoring System Designed for Street Lighting.

The ONSITETM system brings added value to the user with real-time monitoring, wide range of reports, pop-up alerts and user friendly experience.

Using the ONSITE™ can save up to 50% of maintenance operations for municipalities and road authorities. The ONSITE™ is a powerful tool for every municipality and ESCO company that wants to save energy and reduce CO2 emission. It controls HPS/MH Electronic Ballasts, LED drivers and supports various types of communication protocols like RF, DALI and LonWorks™ (PLC).

- **Simple User Interface** - Intuitive user interface ensures a short learning curve of the system.
- A **quick view** of the most important features
- **Autonomic System:** After system commissioning, the system works automatically, no need for log-in, all the information is sent to the system administrator.
- **Automatic reports and alerts** – The user can define and program the alerts for lamps, ballasts, LED drivers and various other controllers.
- **Supports various communication protocols** – RF, DALI, LonWorks™, and Midnight.
- **Flexible device** hierarchy and grouping.

LED Drivers



EHSmart LED Drivers 30W-90W and 30W-150W

Eltam offers a reliable High Power Constant Current smart LED Drivers for indoor and outdoor applications.

Selectable Constant Current Output

The drivers offer a wide range of selectable constant current output .

Type A: 350mA, 500mA, 700mA. Type B: 700mA, 1000mA, 1400mA.

The output current can be changed via on board dip switches or via an extended DALI command.

Unique Dual Action Dimming Capability

The divers offer two energy-saving modes: MidNight for autonomous dimming (10 levels) and DALI control.

Safety

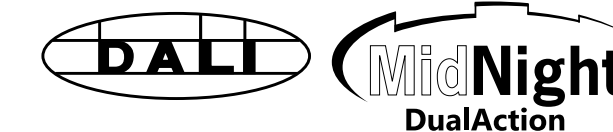
EHSmart LED Drivers 30W-90W have and output isolated from the “mains” for enhanced safety and versatile installation possibilities. All drivers comply with EH61347-2-13 Safety regulation.

Main Features

- **LED optimal control:** Constant current with PWM dimming capabilities.
- **Selectable output current:** on board dip switches or DALI command.
- **Dimming:** MidNight (autonomous) or DALI (10%-100% dimming rang).
- **Management and Control:** via DALI protocol.
- **Efficiency:** >90% (full intensity).
- **Installation:** easy to install, fits wide range of LED arrays.
- **Protection:** Surge protection, Output Short Circuit, Max Temperature, Output over-voltage, Output isolation.



EHID Ballasts



EHID Dual Action Ballasts 50W-400W IP20 and IP65 for HID Lamps

Energy Saving

Using Eltam’s EHID efficient electronic ballasts can save up to 50% of power consumption per luminaire in comparison with conventional ballasts.



Dual Action Midnight & DALI

The Dual Action maximizes savings of both the LED Drivers and the EHID ballasts.

Start with Midnight autonomous dimming program of up to a 10-steps.

Easily upgrade to Dali Point-to-Point communication and connect to a management system.

Connection can be done through DALI, PLC or RF interface.

The Dual Action concept ensures your system is relevant now and future proof.

Easy installation

Two ways to install the ballast, inside the luminaire or in the light pole with IP65 case.

Main Features

- Operates the lamp in Low Frequency Square Wave (81Hz).
- Precise PULSE ignition process.
- Continuous dimming for HPS and MH lamps.
- Low losses (A2).
- Voltage Range: 198-264V 50/60Hz.
- Exceptional low inrush current.



EHID 400W IP65

Additional to the reliable and filed proven EHID family – 400W Electronic ballast for Indoor and Outdoor solutions.