



The Brain for Every Light



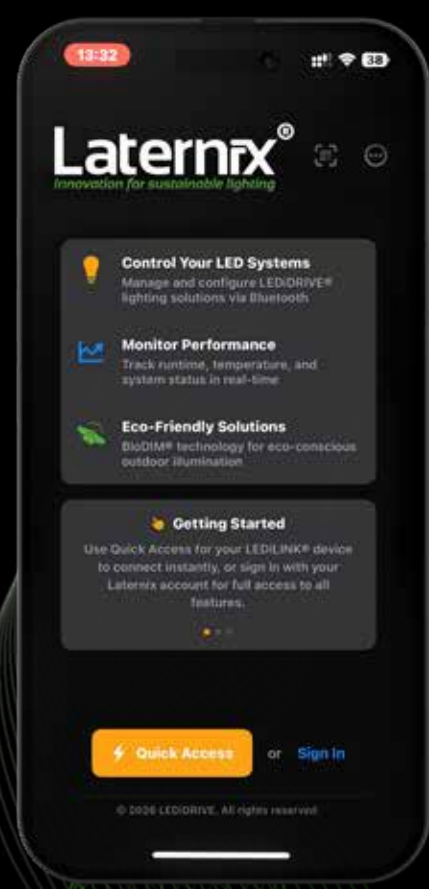
Laternix

LEDiDRIVE[®] Service APP

The easy programming tool for LEDiLINK[®] and the LEDiDRIVE[®] platform

Serving as the user interface for LEDiLINK[®], the LEDiDRIVE[®] Service App provides structured, step-by-step guidance through the programming process with helpful tips and visual illustrations.

Its intuitive design makes getting started easy and delivers an excellent user experience. The app is available free of charge and supports access modes such as "Quick Access" and "Cloud Managed Access".



Quick Access

With this usage profile, the app connects to LEDiLINK[®] simply by scanning the QR code included with the hardware. The code contains unique, device-specific information for secure pairing.

Once connected, the app stores the credentials locally, enabling future access without rescanning the QR code. All control features are available without limitation.

The profile is available at no cost.

Cloud Managed Access

The app - device connection is securely tied to a personal or organizational user account. Registered users can access devices immediately - no QR code scan required.

Permissions can be shared across teams within an organization and are retained even when the app is installed on a new smartphone. The profile also provides additional value-added services and operates on a subscription basis.

Value-added SERVICES

Value-added services allow asset information to be captured on-site via the app and securely stored in a cloud database. Data includes asset ID, geo-location, photos, technical specifications, an electronic nameplate (ML50), and lighting parameter profiles.

The app provides full access to this information and supports data capture, reporting, and export to third-party systems through an API.

„Plug-In“ LEDiLINK[®] Zhaga18



LEDiLINK[®] Z18
Existing luminaires featuring a Zhaga Book 18 interface and D4i driver can be turned into smart luminaires in seconds using LEDiLINK[®]

Sensing and radio

For adaptive lighting scenarios such as motion-controlled operation or dynamic light corridors, LEDiLINK[®] Z18 is available with integrated sensors and LoRa[®] wireless connectivity.

LEDiLINK[®] Z18 SEN LoRa
LEDiLINK[®] Z18 SEN
LEDiLINK[®] Z18 LoRa

„Build-In“ LEDiLINK[®] Dongle



LEDiLINK[®] DGL
In its basic configuration, LEDiLINK[®] DGL connects directly to the DALI port of a D4i driver and is powered via the interface.

For additional flexibility, it can optionally be operated with an auxiliary power supply. Thanks to its IP54 rating, the device is suitable for use even in luminaires without full waterproof protection.

Hardware for retrofit or new installations

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Upgrade to Intelligence
LEDiLINK[®] is built on a simple idea: give any luminaire intelligence by connecting a master device to its DALI interface.

With millions of DALI-enabled LED drivers already installed worldwide, the potential for additional energy savings through demand-based lighting control is huge. Retrofitting LEDiLINK[®] - either as a built-in or plug-in solution - makes unlocking this potential fast and straightforward.

LEDiLINK[®] OEM



Intelligence built in at the factory
We also offer LEDiLINK[®] and the LEDiDRIVE[®] platform as OEM solutions — delivering decisive added value for luminaire manufacturers who want to implement advanced control functions with minimal effort.

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Autonomous Control for outdoor lighting

LEDiLINK®



What is LEDiLINK®?

LEDiLINK® is an electronic control module for outdoor lighting. It can be used either to retrofit existing luminaires or as original equipment in new luminaires with a DALI interface. Once installed, the system operates autonomously — completely without any network or IT infrastructure — according to parameters previously programmed by the user. These settings can be conveniently transferred to the luminaires via Bluetooth® using the intuitive LEDiDRIVE® Service App, directly from the curbside. Depending on the required functionality and installation scenario, LEDiLINK® is available in different form factors, either as a dongle or as a Zhaga18 device.

Who is LEDiLINK® designed for?

True to the principle “from practitioners for practitioners,” LEDiLINK® and the LEDiDRIVE® Service App were specifically developed for owners, operators, and electrical professionals who install, maintain, and plan outdoor lighting systems. Lighting designers also play a key role. For them, LEDiLINK® provides a flexible technology platform that enables advanced lighting concepts to be implemented easily, robustly, and cost-effectively. LEDiLINK® is the ideal lighting control solution for investors and operators who want intelligent lighting — without the costs, complexity, and long-term system dependencies of conventional smart lighting control (SLC) systems.

Why choose LEDiLINK®?

- Autonomous control of outdoor lighting based on actual demand - completely without any network or IT infrastructure.
- No recurring costs. No vendor lock-in.
- A future-proof, vendor-independent platform for both retrofit and new projects
- Set up in minutes with the intuitive LEDiDRIVE® Service App — even after installation.

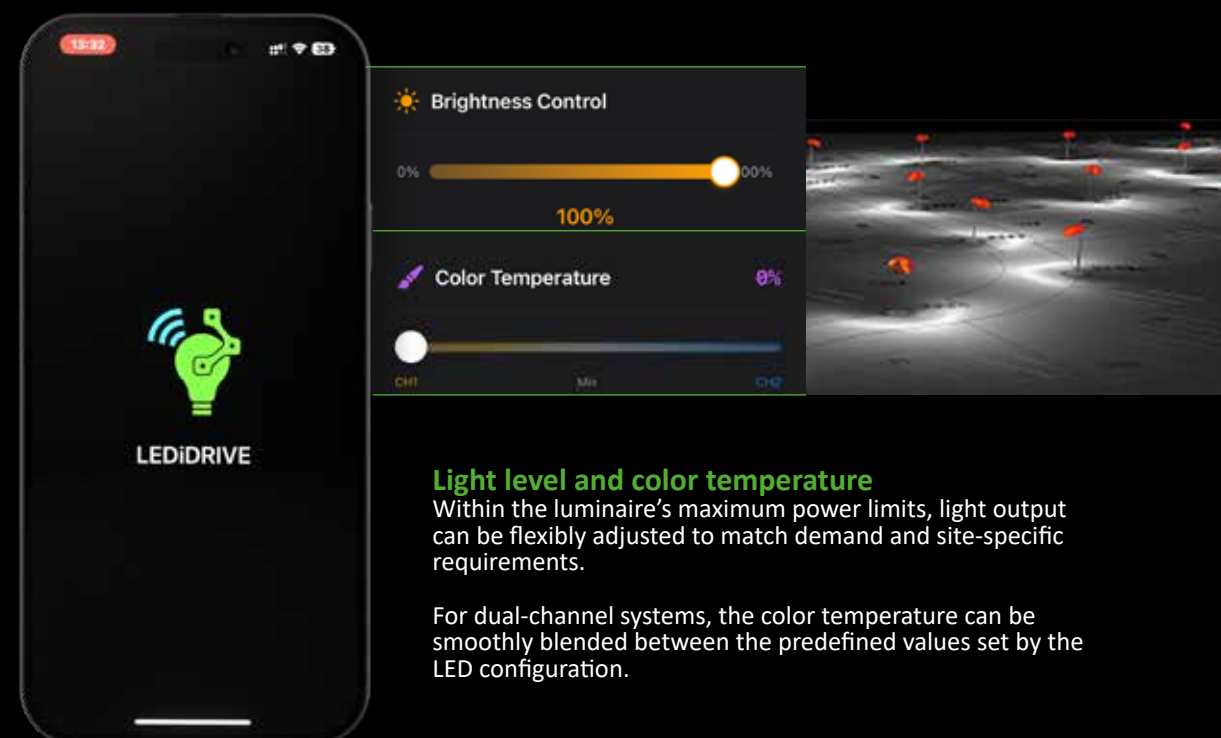


ADVANCED CONTROL FUNCTIONS FOR INNOVATIVE LIGHTING CONCEPTS

Flexibility and fault tolerance even after commissioning

The app connects to LEDiLINK® wirelessly via Bluetooth® Low Energy (BLE), eliminating the need for direct physical access. Configuration can be carried out conveniently from the curb or service vehicle.

Adjustments caused by on-site changes or evolving requirements can be made at any time, and settings profiles can be quickly copied to other luminaires.



Light level and color temperature

Within the luminaire's maximum power limits, light output can be flexibly adjusted to match demand and site-specific requirements.

For dual-channel systems, the color temperature can be smoothly blended between the predefined values set by the LED configuration.

BioDIM® biodynamic lighting

Responsible lighting aims to reduce the environmental impact of artificial light to an absolute minimum. This includes demand-based adaptation of light levels and spectra throughout the night, since blue wavelengths are especially attractive to insects.

BioDIM® intelligently balances energy efficiency, human visual comfort, and the protection of wildlife — creating light that works in harmony with nature.

Multiple dimming functions Real-time scheduling

LEDiLINK® comes with an integrated real-time clock and calendar, supporting up to eight programmable dimming events.

Brightness levels from 0 – 100%, adjustable fade times, and individual color mixing for dual-channel systems provide maximum flexibility. This makes it easy to create different lighting schedules for weekdays, weekends, or specific times of day.

In the advanced version, external control signals (control phase PST) can also be integrated.



Sustainable lighting through smart, demand-based control

Demand-driven outdoor lighting based on the principle “as little light as possible, as much as necessary — at the right time and in the right place” is ideal from both an ecological and an economic perspective.

LEDiLINK® acts as the “operating system” for luminaires, enabling the execution of sophisticated lighting applications. Innovative concepts such as situational, adaptive, or biodynamic lighting with BioDIM® are already built into LEDiLINK® and can be reliably implemented with new or existing luminaires — or a combination of both. Implementation has never been easier or more straightforward. The seamless interaction between the LEDiDRIVE® Service App and the LEDiLINK® hardware makes it possible. The app addresses users’ needs directly and intuitively guides them through the programming and configuration process with practical tips and clear visual instructions.

All functions seamlessly integrated into one interface

LEDiLINK® and the LEDiDRIVE® Service App are the only solution on the market to seamlessly combine device-level settings (such as temperature thresholds or radar sensor parameters) with system-level functions (including addressing and grouping).

From basic setup to expert configuration, everything follows one consistent, intuitive workflow — ensuring an excellent user experience and fast, successful commissioning.

Adaptive lighting

Situational or adaptive lighting adjusts illumination dynamically to actual demand and surrounding conditions — including the reliable detection of pedestrians and traffic using radar sensors.

LEDiLINK® Z18 SEN, available as a Zhaga Book 18 device, integrates advanced Doppler radar technology with quick and intuitive commissioning through the LEDiDRIVE® Service App. Adaptive lighting has never been this easy.

Perceived safety

The success of adaptive lighting concepts depends largely on how safe pedestrians feel at night. Wide light and visibility corridors help detect potential hazards early, both ahead and behind.

LEDiLINK® Z18 LoRa communicates reliably with LEDiLINK® Z18 SEN LoRa over long distances. Dynamic lighting zones are configured quickly via the app and then operate fully autonomously — no network required.

No fear of complexity

Designed as an autonomous offline control solution, LEDiLINK® truly follows an “install & forget” approach — no network, no IT infrastructure, no complexity.

The device can be completely powered down during the day, avoiding standby consumption and reactive power losses. All data is stored locally, ensuring maximum reliability and independence. There is no need for ongoing maintenance, communication fees, or system updates as required by conventional SLC systems.

