

Laternix® Innovation for Sustainable Lighting

Since our founding in 2013, **sustainability** has been the central focus of our work. For us, this is not about certificates or scorecards for PR purposes, but about creating real added value through innovative solutions. Our products are fully repairable and recyclable, making them consistently sustainable. They save energy, conserve resources, provide better light for people, and respect nature and the environment.



Our **inventive spirit** and **development expertise** in optics, mechanics, electronics, and software- combined with **decades of experience in professional lighting**- form the foundation of our innovations, which are valued by numerous users across Europe.

We are **ISO 9001 certified**, our manufacturing is **ENEC-audited**, and we hold the **Q1 quality seal** of **Deutsche Bahn**. We see ourselves as a **solution partner** for planners, installers, and facility operators, and we make the difference through attractive service offerings:

Laternix® Refurbishment

Solutions for legacy LED luminaires

Manufacturer support discontinued? No spare parts available?

We design customized LED modules and driver configurations to repair, upgrade efficiency, and ensure the long-term operation of your LED luminaires.

Laternix® Services

- Application consulting & product sampling
- Planning support
- Customized developments starting from a single unit

Get in touch with us — we look forward to working with you.

QUALITY
MADE
IN
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Zhaga18TOOL

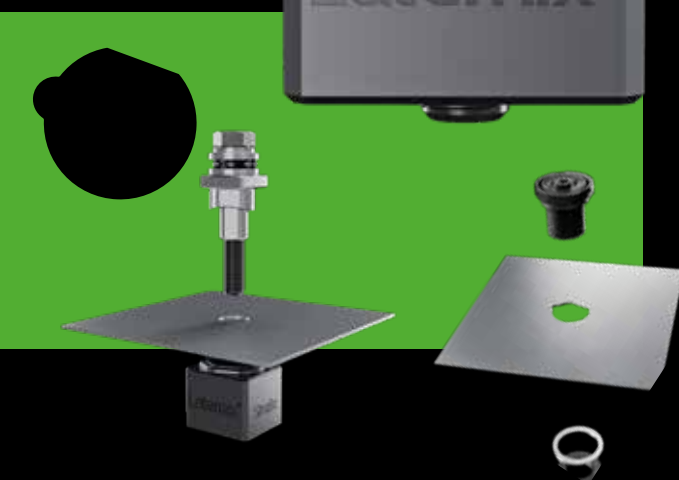
The handy tool

For quick and precise installation of a Zhaga 18 socket directly in the luminaire housing.

Many luminaires provide flat mounting areas that allow easy integration of a Zhaga 18 socket. Instead of a simple round hole, a specially shaped cut-out with anti-rotation protection is required for secure installation.

The Zhaga18Tool enables this contour to be produced quickly and safely on site - even directly from the skylift at the pole.

A pilot hole is first drilled using a step drill bit and a cordless screwdriver. The final contour is then punched out using a punch and die.



Zhaga18TOOL Set

Includes:
HSS step drill bit (14 mm), punch die set with die and punch, drive unit, and ball bearing.

Permissible material thickness:
Die-cast aluminum up to 3 mm, aluminum sheet up to 2.5 mm, copper, brass, bronze, steel sheet up to 1.5 mm, and stainless steel



Zhaga18KIT Zhaga18TOOL

**Innovative solutions
to make existing luminaires smart**

Zhaga18KIT

Upgrade existing outdoor luminaires to smart lighting

With the launch of the Zhaga Book 18 interface, new outdoor luminaires could be smart-ready by design - yet millions of legacy installations remain disconnected.

The modular “Zhaga18Kit” bridges this gap, allowing Zhaga 18 devices to be installed quickly, safely, and without modifying the luminaire housing or adding extra wiring — even directly from the pole.

Smartification scenarios

- **Conventional luminaire + LED upgrade kit + Zhaga18Kit**
Valuable existing luminaires with conventional lamp technology can be energy-efficiently modernized and upgraded to smart operation using **Laternix LEDiKIT®** and the **Zhaga18Kit**.
- **LED luminaire + Zhaga18Kit and auxiliary power supply**
Existing LED luminaires with a DALI driver can be easily converted into smart luminaires by adding a **Zhaga18Kit** and a 24 V auxiliary power supply to power the Zhaga 18 device.
- **LED luminaire + Zhaga18Kit + Refurbishment**
Older, low-efficiency LED luminaires can be modernized with a **Laternix** refurbishment package featuring a high-efficiency LED module and D4i driver, and then easily upgraded to smart operation with a **Zhaga18Kit**.

Smart solutions

The adapter housings, manufactured from durable, weather-resistant high-performance polymer, are available in two versions: **GroundView** supports all device types and is especially suited for motion sensors that need a clear view of the ground. **SkyView** is intended for devices that require an unobstructed view of the sky.

for every luminaire type

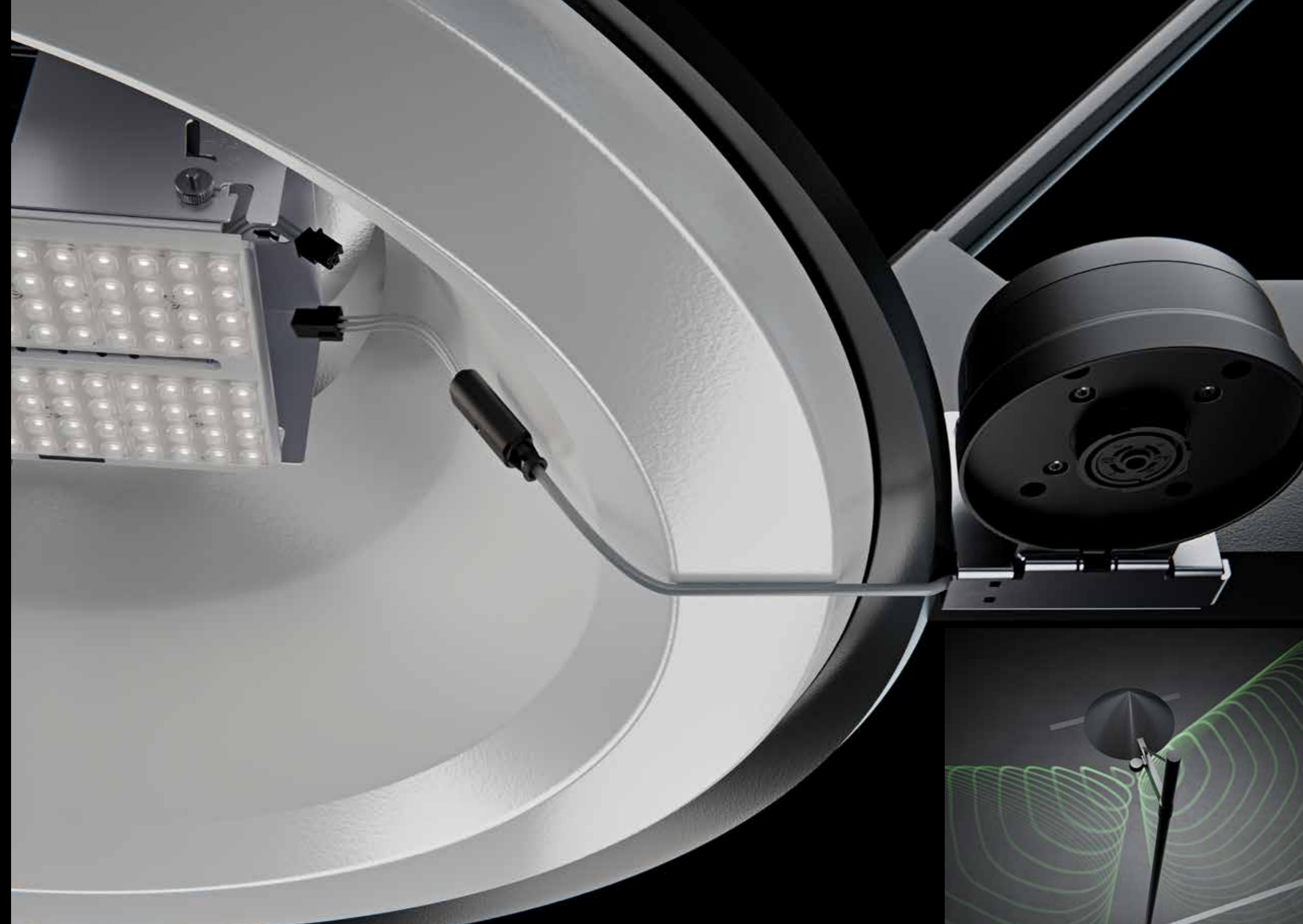
Mechanical integration with the luminaire housing is ensured by a stainless-steel mounting bracket or clamp, for example using a secure clamping solution. The bracket is included in the Zhaga18Kit and is individually tailored by Laternix to fit the geometry of each existing luminaire.

Quick & easy installation

Conventional Zhaga 18 retrofit solutions, such as pole adapters or external mounting housings, typically require removing the luminaire and carrying out complete rewiring. The associated material costs and installation time are considerable, often putting the economic feasibility of the entire project at risk.

No need for rewiring

In the Zhaga18Kit, the Zhaga 18 device is connected directly to the D4i driver using a dedicated cable. The low-profile, protected cable can be easily routed through the housing seal between the body and the cover, eliminating the need for drilling or additional installation work.



Precision sensor positioning

Motion sensors such as **RADAR** or **PIR** types only perform reliably when precisely aligned with the target area.

Unlike standard Zhaga 18 installations with fixed orientation, the **GroundView** version of the **Zhaga18Kit** allows flexible adjustment. The socket can be rotated horizontally over a wide range using four fixing screws, enabling accurate sensor positioning.

A red directional arrow, which also protects the electrical contact, clearly shows the sensor's viewing direction - ensuring **optimal coverage of the detection zone**.

