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The future lies in precision ERCO presents a new generation of in-ground luminaires with Tesis New

Lüdenscheid, May 2025. The way we handle light in outdoor spaces has changed. Protecting nature, avoiding light pollution, and saving energy – all of this requires highly precise lighting tools that direct light only where it is truly needed. Such as the [Tesis New in-ground luminaires](#) with their tiltable light heads, interchangeable and zoom optics, and the innovative semi-recessed wallwasher.

Less is more – modern outdoor lighting concepts focus on quality rather than quantity. Instead of turning night into day, the goal is to meet many different needs: On the one hand, people's desire for orientation, safety, quality of stay and an attractive urban environment. On the other hand, the need to protect flora, fauna and the climate. Today, this can be achieved through careful planning and the use of highly precise lighting tools like the [Tesis New in-ground luminaires](#) from ERCO. With this type of installation, precision is particularly important – because poor alignment or uncontrolled spill light quickly leads to avoidable light pollution.

Making the most of in-ground lighting

The new Tesis generation enables lighting designers to continue using in-ground luminaires responsibly and with all their advantages: They blend seamlessly into their sur-

roundings, in line with ERCO's philosophy of "light instead of luminaires". Some models can even be integrated into traffic areas and they create a high level of attention due to their unusual direction of light. In-ground wallwashers serve an equally important function outdoors as ceiling-recessed wallwashers do indoors: They provide vertical illuminance, which is essential for spatial perception – for example, on façades and walls. When it comes to upgrading existing systems, the [Tesis New in-ground luminaires](#) retain the proven installation dimensions and housing qualities of their predecessors. However, the lighting technology brings major advancements.

Semi-recessed wallwashers – for extra wide luminaire spacing

Because [vertical lighting](#) is a key focus in outdoor lighting design, the [Tesis New family](#) offers two differentiated solutions. A completely new luminaire type in the ERCO range is the Tesis New semi-recessed wallwasher: Its robust, dome-shaped housing slightly protrudes from the ground surface. The advantage: more flexibility in positioning and seamless, extremely uniform wallwashing. A wall offset of just 1/6 of the wall height is sufficient, while the luminaire spacing is based on the height of the wall. This flexibility makes planning easier. At the same time, wider luminaire spacing means fewer luminaires – which reduces costs for purchase, installation and operation.

Further options for vertical light

The flush-mounted [Tesis New wallwashers](#) also project light horizontally onto façades and walls with impressive uniformity. They are ideal for buildings in traffic-calmed zones and squares, since these luminaires – with the appropriate installation housings – are designed to be drive-over capable. They are positioned based on classic wallwasher rules: With approximately 1/3 of the wall height as the offset and up to 1.3 times that distance as the luminaire spacing. With size 2, ERCO introduces a miniaturised Tesis New wallwasher with a diameter of just 56mm – achieving high impact even in the smallest of spaces.

Adaptive in-ground directional spotlights

As directional spotlights, the [Tesis New in-ground luminaires](#) offer a level of planning flexibility never seen before – they are equipped with interchangeable lenses for up to 8 different light distributions: With just a few steps on site, a spot (16°) can be converted into an oval beam (20° x 60°) – without voiding the warranty. Even greater flexibility is offered by Tesis New with its spot zoom optic (15°–65°) or oval zoom optic (20° x 70° – 75° x 60°). The combination of stepless zoom and up to 30° tilt angle makes it possible to align the light head perfectly with the object being illuminated, adjusting the light beam until it fits precisely. This ensures optimal lighting performance while reliably preventing light pollution. Tesis New directional luminaires with interchangeable lenses or zoom optics are available from ERCO in three sizes, with luminous flux from 304 lm to 4192 lm.

Proven durability and robustness

In terms of technical quality, [Tesis New](#) stays true to its predecessors: With highly efficient LED modules and control gear, and with robust, weatherproof and corrosion-resistant housings. According to ERCO's "[Lighting Durability](#)" factory standard, they are now designed for a 20-year service life. Variants are available with flush or covered installation details. The "[ERCO individual](#)" service also caters for project-specific requests – from anti-slip safety glass to special colours for the semi-recessed wallwasher. All in all, in-ground luminaires with Tesis New are well equipped to continue playing their role in outdoor lighting – even in projects with the highest demands in terms of lighting precision and environmental awareness.

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More about Tesis New: https://www.erco.com/press/8023/en_us



More about Tesis New

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Distributions:	Narrow Spot (8°), Spot (16°), Flood (29°), Oval flood (20 x 60°), Wide flood (48°), Zoom oval (20° x 70° - 75° x 60°), Zoom spot (15° - 65°), Wallwash
ERCO LED module:	High-power LEDs
Light colours:	2700K Ra 92, 3000K Ra 92, 3000K Ra 97, 3500K Ra 92, 4000K Ra 82, 4000K Ra 92
Housing:	Polymer; Cover ring: Stainless Steel, Protective glass Suitable for wet location (IP68)
Mounting:	Recessed, Semi-recessed mounting; Mounting option: Flush, Covered
Control gear:	Switchable, 0-10V dimmable

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Images



These luminaires direct light only where it is really needed: The Tesis New in-ground luminaires with their tiltable light heads, interchangeable and zoom optics, and two types of wallwashers.

© ERCO GmbH



Because on-site conditions are often different from plans, the new Tesis directional luminaires with interchangeable distributions or zoom optics provide a new level of planning reliability.

© ERCO GmbH



Façade-focused lighting: With classically positioned, flush-mounted Tesis New wallwashers – or the new semi-recessed wallwashers. These spacing wonders deliver uniform vertical illumination even when installed close to the wall and spaced far apart.

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More precise than ever: The new generation of Tesis in-ground luminaires projects light only where it's needed – onto architecture, not into the sky.

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About ERCO

ERCO is an international specialist for high-quality and digital architectural lighting. The family-owned company, founded in 1934, operates globally in 55 countries with independent sales organisations and partners.

ERCO understands light as the fourth dimension of architecture – and thus as an integral part of sustainable building. Light is the contribution to making society and architecture better and, at the same time, preserving our environment. ERCO Greenology® – the corporate strategy for sustainable lighting – combines ecological responsibility with technological expertise.

At the light factory in Lüdenscheid, Germany, ERCO develops, designs and manufactures luminaires with a focus on photometric optics, electronics and sustainable design. The lighting tools are developed in close collaboration with architects, lighting designers and electrical designers. They are used primarily in the following applications: Work and Culture, Community and Public/Outdoor, Contemplation, Living, Shop and Hospitality. ERCO lighting experts support designers worldwide in transforming their projects into reality with highly precise, efficient and sustainable lighting solutions.

If you require any further information on ERCO or image material, please visit us at www.erco.com/press. We can also provide you with material on projects worldwide for your media coverage.

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