



"Light instead of luminaires" for magical effects: Axis recessed spotlights from ERCO

Copies and links requested.

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When the light effect cannot easily be attributed to a visible light source, magic happens. The technical secret: Highly glare-free, unobtrusive luminaires with narrowly focussed light distribution. A core competence of ERCO for many years. In environments with subdued brightness, high output is not necessary. Instead, miniaturised, nearly invisible light sources like the new [Axis recessed spotlights](#) are ideal.

To create immersive experiences with light, lighting designers often work from darkness, as learned from stage and event lighting. We encounter such dimly lit environments in exhibitions, bars, restaurants, lounges and even private residences. No extreme light output is required to create eye-catching accents. What matters more are efficient, tightly focused optics in luminaires that disappear from view thanks to miniaturisation and perfect shielding. Enter the new [Axis recessed spotlights](#) from ERCO: They create light as if from nowhere.

Modular and miniaturised

The Axis range includes [miniature recessed spotlights](#) with a light outlet diameter of just 17mm in various configurations: Individually in a single-frame or grouped in two- or four-frames, requiring only 28mm of installation depth. Light heads can be individually tilted up to 140° and rotated 360°, making precise alignment with objects or target surfaces effortless. The highly efficient lens optics are available with rotationally symmetric light distributions: spot (17°), flood (32°) and wide flood (47°), and can be interchanged tool-free when needed.

Clip-on filters and accessories expand creative possibilities, such as correction filters for adjusting spectral light composition, soft-focus or sculpture lenses for shaping the light beam and snoots or honeycomb louvres to enhance visual comfort.

More lux per watt – in museum-quality

ERCO lens optics have a reputation for projecting light particularly efficiently onto target surfaces. The same applies to [Axis](#), as demonstrated by the manufacturer: At a distance of 2 metres, a miniature spotlight with a spot optic produces up to 200 lux on the target surface – from a connected load of just 1W. Thanks to its close relationship with the [Axis showcase luminaires](#), the architectural variant also offers museum-quality light: With a long lifespan of 50,000 operating hours (L90/B10), exceptional colour fidelity (1.5 SDCM) and outstanding colour rendering up to CRI 97.

Adaptive operation, individual design

Like the light heads themselves, the separate control gear is particularly compact, making it suitable for tight installation spaces. Each unit powers 1-2 or 3-7 light heads and optionally offers digital, wireless dimming via [Casambi Bluetooth](#). Another advantage: The excellent dimming capability down to 1% – crucial for creating atmospheric, occasion-specific lighting, especially in hospitality settings. For meticulously designed interiors, Axis light heads and mounting frames can be colour-matched through "[ERCO Individual](#)" to suit specific design requirements. This combination of adaptability and exceptional performance makes [Axis recessed spotlights](#), despite their miniature size, unique, highly functional and powerful tools for creative lighting design.

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More about Axis: <https://www.ercoco.com/press/8019/en>



More about Axis

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Distributions:	Spot (17°) Flood (32°) Wide flood (47°)
ERCO LED module:	High-power LED
Light colours:	2700K CRI 92, 3000K CRI 92, 3000K CRI 97, 3500K CRI 92, 4000K CRI 92
Housing:	light head: polymer/metal, colour: black
Mounting (via accessories):	Recessed
Control gear:	DALI, Casambi Bluetooth

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Images



The new, miniaturised Axis recessed spotlights from ERCO produce light as if from nowhere: ideal for magical lighting effects in environments with subdued brightness.

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The Axis range includes miniature recessed spotlights with a light outlet diameter of just 17mm in various configurations: Individually in a single-frame or grouped in two- or four-frames, requiring only 28mm of installation depth.

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Recessed luminaires like Axis prioritise discretion and perfect glare control over extreme performance and luminous flux – ideal for presentation lighting or exclusive retail spaces, where lighting designers often “design from the dark”.

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Axis recessed luminaires achieve a perfect separation between light source and light effect – creating magical effects. Typical applications include brilliant accent lighting in restaurants or bars, for example, to highlight tables or decorative objects.

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Perfect alignment: To ensure the light always hits the target area precisely, the luminaire heads can be rotated and swivelled.

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Unobtrusive luminaires: With a diameter of just 17mm, these luminaires blend almost invisibly into the ceiling.

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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.

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