

For nuanced lighting concepts in high rooms:

ERCO Atrium double focus pendant and surface-mounted luminaires

Lüdenscheid, April 2019. The name says it all – atria and foyers of public buildings, but also sacred buildings with their high interiors are typical applications for the new Atrium luminaire range from ERCO. The 'double focus' attribute stands for high-lumen output, highly efficient, narrow distribution LED optics with maximum visual comfort. With their optional indirect component, Atrium pendant luminaires provide a special feature that gives lighting designers additional scope for design.

Whether congress hall, corporate foyer or church nave – it is often the unusual room height that creates a dignified, solemn or dramatic atmosphere in buildings. This effect can be emphasised by the right lighting. However, special lighting tools are needed to bridge such distances of eight or more metres. In the ERCO luminaire range, the term double focus refers to narrow beam, high-output and very well shielded downlight and wallwasher optics for such applications not only with recessed luminaires, but now also with pendant and surface-mounted luminaires, thus enormously expanding the design options available to lighting designers.

The design: neutral, but striking

In Atrium surface-mounted and pendant luminaires the proven and highly efficient double-focus LED lighting technology featuring collimators and Spherolit lens is accommodated in a cylindrical housing reduced to its geometric shape. The all-round, light-tight ventilation joint provides a design accent. Both the surface-mounted and pendant luminaires thus present themselves with a high quality but neutral look that blends perfectly into a wide variety of architectural styles: Atrium's design works just as well in a Gothic cathedral as in contemporary foyer architecture constructed in steel, glass or concrete.

Flexible and cost-efficient mounting

Compared to ceiling-integrated solutions, the high flexibility is impressive: the surface-mounted and pendant luminaires can also be installed economically and in difficult installation locations, listed historical buildings or as part of modernisation projects. With their concealed mounting elements, Atrium luminaires meet high aesthetic demands. Atrium pendant luminaires can be suspended from the supply cable due to their low weight, which further contributes to simple mounting – alternatively, a pendant tube can also be used as an accessory.

Flood and wide flood optics are available for the Atrium surface-mounted and pendant luminaires. This means that even changing luminaire mounting heights in a room can be integrated into the lighting design, such as those created by the different floor levels of podiums or galleries. The light beam is defined and set by interchangeable Spherolit lenses, meaning that subsequent beam modifications are also possible. The wattages and lumen packages of Atrium fit seamlessly above the Quintessence pendant and surface-mounted luminaires in the ERCO product programme.

Innovative: pendant luminaires with an indirect component

Atrium pendant luminaires not only offer the option of using the pendant length and thus the luminaire mounting height to blend in with the architecture – versions are also available with an additional indirect light component. This option opens up new design options in the lighting concept – either for diffuse, atmospheric general lighting or for staging interestingly designed ceilings, as are typical in sacred spaces for example. All Atrium luminaires are equipped with a black anti-glare cone on their downward light aperture to ensure particularly high visual comfort.

Dimming down to 0.1%? No problem!

Another important factor for sacred spaces or event locations is dimmability. Atrium luminaires can be integrated into lighting control scenes via DALI. The DALI-control gear developed by ERCO provides uniform dimming behaviour across

groups of luminaires down to dimming values of 0.1% – and naturally flicker-free and video-compatible. Switchable and phase dimmable versions are also available. ERCO offers six different light colours from warm white to neutral white for Atrium double focus pendant and surface-mounted luminaires, namely 3000K and 4000K (Ra 82) and 2700K, 3000K, 3500K and 4000K (Ra 92).

In addition to black, white and silver housing colours, the new "ERCO individual" service offers up to 10,000 further colours as special coatings, as well as anodised colour tones such as gold, copper and bronze. Atrium double-focus surface-mounted and pendant luminaires thus represent a further substantial component in the ERCO luminaire system, allowing architects and lighting designers to create extremely nuanced lighting concepts with consistent technical parameters.

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Light distributions:	Flood, Wide flood
ERCO LED module:	High-Power LEDs on metal-core PCB
Light colours:	3000K and 4000K (Ra 82) and 2700K, 3000K, 3500K and 4000K (Ra 92)
Housing:	cast aluminium
Installation:	ceiling fixture (with surface-mounted luminaire), canopy and power cable or pendant tube (with pendant luminaire)
Control gear:	switchable, dimmable (leading edge) or DALI

Images



The Atrium product range consists of recessed, surface-mounted and pendant luminaires with double focus optics and flood and wide flood light distribution.

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Visualization: Electric Gobo



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The "ERCO individual" service offers extensive options for individualising Atrium double-focus luminaires, including additional light colours and housing colours.

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About ERCO

The ERCO Light Factory in the German town of Lüdenscheid is a leading international specialist in architectural lighting using LED technology. The family business, founded in 1934, now operates as a global player with independent sales organisations and partners in 55 countries worldwide. Since 2015 ERCO's portfolio has been 100% LED. With this in mind, ERCO in Lüdenscheid develops, designs and produces digital luminaires with focus on photometrics, electronics and design. Working closely with architects, lighting designers and engineers, ERCO develops lighting tools used primarily for applications in the following fields: Work, Shop, Culture, Community, Hospitality, Living, Public and Contemplation. ERCO understands digital light as the fourth dimension of architecture – providing highly precise and efficient lighting solutions to support creative designers in turning their visions into reality.

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