



Multi-talents with a clear focus on galleries and museums: the new Uniscan spotlight range from ERCO

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Lüdenscheid, March 2023. With its new [Uniscan](#) spotlights, ERCO focuses on maximum quality of light combined with a compact, reduced design. Uniscan thus particularly targets the demands of art galleries and museums. The consistently modular design of the spotlights enables both highly individual configurations and extremely flexible all-rounders, for example with Tunable White, zoom optics and wireless Casambi Bluetooth control.

Ranging from painting, photography and sculptures in all formats to space-filling installations and the use of electronic media: never were the manifestations of art so diverse as they are today. In terms of lighting, this poses special challenges for commercial art galleries as well as museums. These require lighting tools that optimally display works of art in a wide diversity of situations and create the desired atmosphere – whilst being as compact, flexible and easy to handle as possible. It is precisely for such requirements that ERCO has developed Uniscan, a new range of versatile and accessible track-mounted spotlights, floodlights and wallwashers.

Flexibility is the key

Spotlight track systems are the first choice as an infrastructure for illuminating

galleries and exhibitions. Users can quickly and easily modify the position and alignment of the luminaires, and [Uniscan](#) also features further decisive flexibility – its modular design with interchangeable lenses allows for subsequent adjustment of the light distribution. A number of methods are available for dimming the luminaires individually or in groups, ranging from a rotary control on the luminaire to wireless control via Casambi Bluetooth. The colour temperature can also be adjusted using variable technologies such as tunable white or RGBW to infinitely adjust light colours to match exhibits or to create special atmospheric effects. Filters are also available as accessories for subtle colour temperature corrections.

The Uniscan range on the one hand thus enables precisely matching product solutions for individual requirements with three sizes consisting of XS (Ø 32mm) S (Ø 60mm) and M (Ø 92mm), six fixed light colours, lens units in twelve light distributions and various dimming options. On the other hand, it includes extremely variable all-rounders that make lighting up a new exhibition incomparably convenient and fast – for example with the combination of zoom optic and tunable white. The fine-tuning of brightness and light colours of the spotlights can be done conveniently in situ via an app on a tablet or smartphone thanks to Casambi Bluetooth.

Light and shadow – in maximum quality

Despite their flexibility, [Uniscan](#) spotlights do not compromise when it comes to quality of light. The clear Darklight lenses not only have a magical effect due to their minimal luminance levels at the light emission surface, but also offer particularly high visual comfort along with state of the art efficiency. With just one point of light, they also generate a defined, uniform beam of light and precise shadowing for museum-quality light. The luminous fluxes of 272 lumens (size XS) to 2673 lumens (size M) are perfectly matched to typical spatial conditions in galleries and exhibitions with ceiling heights of up to 5 metres. In the form of contour spotlights and lens wallwashers, the Uniscan range also includes specialised tools which are highly valued by lighting designers for effectively displaying works of art.

Three adapters, three application scenarios

The cylindrical design of Uniscan is reminiscent of classic spotlight models. It blends discreetly into highly diverse architectures and features precise, robust mechanics and balanced proportions. As with other current ERCO spotlight ranges, Uniscan comprises three product families distinguished by different track adapters: [Uniscan InTrack](#) has an extra-flat adapter that fits flush with the 3-circuit track. Multi Dim control gear enables control via DALI, Push Dim or phase. In addition, a manual rotary control (On-board Dim) and radio adapter for Zigbee or Casambi Bluetooth are available in the form of interchangeable add-on units on the luminaire housing. [Uniscan 48V](#) is suitable for Minirail track and thus exploits the full potential of miniaturisation. Control options include On-Board Dim, Zigbee as well as Casambi Bluetooth which can also be coupled to DALI via a gateway. [Uniscan OnTrack](#) is compatible with many existing dimmable lighting installations thanks to its transadapter for 3-circuit track, making it particularly suitable for retrofitting.

Uniscan offers perfect illumination geared to the specific requirements of commercial art galleries. **Learn how gallery lighting supports the sale of art and promotes the dialogue between gallery owners and collectors:**

<https://www.erco.com/press/7677/en>

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Technical features

Uniscan 48V for Minirail track

ERCO lens system:	lens optic made of optical polymer (Spherolit lens)
Direct distributions:	Narrow spot (5°), Spot (16°), Flood (29°), Zoom spot (16° - 68°), Zoom oval (25° x 63° - 65° x 68°), Framing (crisp-edged illumination of pictures), Wide flood (46°), Extra wide flood (82°), Oval flood (15° x 63°), Oval wide flood (54° x 79°), Wallwash (uniform wallwashing)
ERCO LED module:	high-power LED
Light colours:	2700K CRI 92, 3000K CRI 92, 3000K CRI 97, 3500K CRI 92, 4000K CRI 82, 4000K CRI 92, tunable white (2700K - 7500K) or RGBW
Housing:	aluminium, colour: white, black, silver
Installation:	ERCO Minirail adapter
Control gear:	switchable, On-board Dim, Casambi Bluetooth (+ DALI via gateway), Zigbee On-board Dim version: rotary control on the luminaire for brightness control

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Technical features

Uniscan InTrack for tracks

ERCO lens system:	lens optic made of optical polymer (Spherolit lens)
Direct distributions:	Narrow spot (5°), Spot (16°), Flood (29°), Zoom spot (16° - 68°), Zoom oval (25° x 63° - 65° x 68°), Framing (crisp-edged illumination of pictures), Wide flood (46°), Extra wide flood (82°), Oval flood (15° x 63°), Oval wide flood (54° x 79°), Wallwash (uniform wallwashing)
ERCO LED module:	high-power LED
Light colours:	2700K CRI 92, 3000K CRI 92, 3000K CRI 97, 3500K CRI 92, 4000K CRI 82, 4000K CRI 92, tunable white (2700K - 7500K) or RGBW
Housing:	aluminium, colour: white, black, silver
Installation:	InTrack adapter
Control gear:	switchable, On-board Dim, Multi Dim, Multi Dim + On-board Dim, Casambi Bluetooth (+ DALI via gateway) or Zigbee Multi Dim version: DALI dimmable, Push Dim or dimming with external dimmers (leading edge-/trailing edge-/ universal dimmer) possible On-board Dim version: rotary control on the luminaire for brightness control

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Technical features

Uniscan OnTrack for track

ERCO lens system:	lens optic made of optical polymer (Spherolit lens)
Direct distributions:	Narrow spot (5°), Spot (16°), Flood (29°), Zoom spot (16° - 68°), Zoom oval (25° x 63° - 65° x 68°), Framing (crisp-edged illumination of pictures), Wide flood (46°), Extra wide flood (82°), Oval flood (15° x 63°), Oval wide flood (54° x 79°), Wallwash (uniform wallwashing)
ERCO LED module:	high-power LED
Light colours:	2700K CRI 92, 3000K CRI 92, 3000K CRI 97, 3500K CRI 92, 4000K CRI 82, 4000K CRI 92
Housing:	aluminium, colour: white, black, silver
Installation:	transadapter or DALI transadapter
Control gear:	switchable, phase dimmable + On-board Dim, DALI dimmable, Casambi Bluetooth Phase dimmable + On-board Dim version: Dimming with external dimmers (trailing edge) possible and rotary control for brightness control on the luminaire

Images



With the new Uniscan spotlights, ERCO focuses on maximum quality of light combined with a compact, reduced design. The spotlight range thus particularly targets the demands of art galleries and museums.

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The cylindrical design of Uniscan is reminiscent of classic spotlight models. It blends discreetly into highly diverse architectures and features precise, robust mechanics and balanced proportions.

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Uniscan's consistently modular design allows both individual configurations and extremely flexible 'all-rounders' with Tunable White, zoom optics and wireless Casambi Bluetooth control.

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The Uniscan range also offers the possibility of configuring a custom-fit product solution for individual requirements, for example from three sizes consisting of XS Ø 32mm), S (Ø 60mm) and M (Ø 92mm).

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Images



A number of methods are available for dimming the luminaires individually or in groups, ranging from a rotary control on the luminaire to wireless control via Casambi Bluetooth.

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Visualisation: Electric Gobo

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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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