

Special lighting concepts for shop lighting demand special tools:

ERCO Gimbal recessed spotlights and floodlights for ceiling channels

Lüdenscheid, October 2018. Light instead of luminaires – which lighting concepts comply with this requirement better than light sources concealed in ceiling channels or coves that place the light effect with its inherent sense of magic in the foreground? ERCO meets this demand technically with a new series of recessed spotlights that brings together special mounting brackets enabling flexible channel installation with high-performance lighting technology and the compact cardanic suspension of Gimbal recessed spotlights.

A trick originally coming from the realm of stage lighting: if a light source is concealed from the eyes of the observer, its light effect is placed into the foreground to become the immaterial medium of stage-setting. This principle also functions in architecture, for example in prestigious retail interiors or the display of exhibits in exhibitions and museums. As part of interior construction, ceiling channels, cut-outs, coves and similar mounting spaces are created for accommodating the lighting technology. A welcome side-effect: these lighting concepts provide high visual comfort because they avoid glare and guide the view to focus on the essentials.

Nothing tilts more compactly

Installing a track into an appropriately sized ceiling channel and equipping it with conventional spotlights is of course also possible. However, special tools such as the new Gimbal recessed spotlights and floodlights for ceiling channels are optimised for this application and therefore save on a very valuable resource thanks to their construction – the construction space. The light heads and cardanic swivel mechanism of Gimbal are not only especially compact but the centre of the light head also maintains its position during alignment. Because of their precise and simultaneously smooth suspension, the spotlights and floodlights can be aligned with low levels of operating force – with a tilt angle of up to 40° in all directions.

Simple, flexible mounting

With the support of experienced practitioners, ERCO construction engineers designed the mounting bracket of the Gimbal spotlights and floodlights for ceiling channels to always enable these lighting tools to be reliably, quickly and simply mounted into channels of various sizes and construction types. The special shape of the bracket facilitates the precise alignment of the luminaires and provides several options for cable routing. The separate control gear connected with one cable is accommodated in the channel or ceiling cavity. The new Gimbal spotlights are also ideal for the discreet, fixed mounting to other building elements such as walls, supports, beams and ledges, as often found in historic or listed buildings. Three construction sizes each with two wattages supply precisely the right luminous flux for any application and room situation – ranging from 210lm to 4920lm.

Brilliant displays – systematically

The high-efficiency lighting technology is a further benefit derived from the ERCO luminaire system: LED modules combined with collimators and interchangeable Spherolit lenses offer six different light distributions. The beam characteristics narrow spot (beam angle approx. 5°), spot (beam angle approx. 15°) and flood (beam angle approx. 30°) are suitable for the high-contrast accenting of objects with various sizes or at various distances. The floodlight characteristics wide flood (beam angle approx. 50°), extra wide flood (beam angle approx. 85°) and oval flood (beam angle approx. 60°x15°) uniformly illuminate larger objects or complete room zones.

The control gear for Gimbal is available in switchable, phase dimmable and DALI versions. In addition to the standard warm white 3000K light colour, warm white 2700K is now also an available option. With neutral white 4000K lighting designers can select between the version optimised for efficiency with extremely high luminous efficacy and colour rendering of $Ra \geq 80$ or the version with especially good colour rendering of $Ra \geq 90$.

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Light distributions:	Narrow spot, Spot, Flood, Wide flood, Extra wide flood, Oval flood (rotatable through 360°)
ERCO LED module:	high-efficiency LEDs on metal core PCBs, light colours: warm white 3000K, neutral white 4000K (Ra≥80), on request: warm white 2700K, neutral white 4000K (Ra≥90)
Housing:	light head of cast aluminium, powder-coated black, cardanic suspension Tilt angle 40°. Three construction sizes.
Installation:	with mounting bracket, powder-coated sheet steel.
Control gear:	switchable, dimmable (trailing edge) or DALI dimmable

Images



Lighting designers often specify illumination from ceiling channels in minimalist interiors where the effect of the light should be predominant. Gimbal recessed floodlights for ceiling channels have been specifically designed for such purposes.

©ERCO GmbH, www.erco.com



The cardanic swivel mechanism of the Gimbal spotlights and floodlights is especially compact and the centre of the light head maintains its position during alignment. In this way Gimbal makes the most of a rare resource – the construction space in the ceiling channel.

©ERCO GmbH, www.erco.com

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.

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