

Linear lighting appearances – flexibly in the room

Compar pendant luminaires from ERCO for modern worlds of work and minimalist architectural lighting

Lüdenscheid, January 2018. Pure understatement – the new Compar pendant luminaires have an extremely discreet look with a slender, suspended profile. The light effect itself is placed to the fore, and this impresses with two linear downlight modules in each luminaire along with an optional uplight component. The indirect light of the uplight component creates a pleasant atmosphere in the room, available on request with the variable "tunable white" light colour. This is ideal for example with concepts aiming to bring the rhythm of daylight into offices.

This is how good modern lighting concepts for workplaces can be: glare-free light with dimming options and constant light colour illuminates work planes in compliance with standards. Indirect light simultaneously illuminates the ceiling to give the complete office a discreet, atmospheric ambience – in the morning for example with a fresh, stimulating daylight tone and in the evening with a soft warm white to disrupt the biological rhythm of office users as little as possible.

Elegant and extremely diverse

All of this can only be achieved with a luminaire featuring a slender, suspended aluminium profile: the new Compar pendant luminaires from ERCO. The luminaire body with a purist design makes them ideal for architectural lighting, for example in public buildings and prestigious offices. The profile corresponds in width and height to the familiar ERCO Hi-trac track, thus providing lighting designers with interesting combination options. Each luminaire has two direct distributions, linear lighting technology modules each with six LEDs, whilst the direct/indirect variants feature additional diffuse, soft distribution LED units on the upper side of the profile.

As indicated by the name of the new pendant luminaires, their linear direct light components are closely related to the corresponding Compar downlights. They also

offer high visual comfort and a wide selection of light distributions: two of these, i.e. rotationally symmetrical wide flood distribution (beam angle approx. 60°) and axially symmetrical oval wide flood distribution (beam angle approx. 90° x 55°) meet the stipulations of standard-compliant workplace lighting thanks to appropriate UGR values. The extra wide flood rotationally symmetric distribution with approximately 85° beam angle allows the especially efficient illumination of ancillary areas and circulation areas with economically wide luminaire spacing.

Another practical detail for office applications – Compar pendant luminaires are available in two lengths of 1200mm and 1600mm. This enables the axis distances of both downlight modules to be perfectly matched to the office layout. The larger distance is suitable for typical desk dimensions, and the smaller distance for e.g. reception desks. Integrated anti-dazzle louvres increase visual comfort and are available in highly specular silver or matt black.

Tuneable white: for atmosphere and biorhythm

Compar pendant luminaires are available with pure direct distribution or direct/indirect light. Direct/indirect lighting is popular in the office sector because its diffuse light component creates balanced contrasts in the room. As a special feature, with the indirect component ERCO offers not only the LED light colours contained in the ERCO luminaire system but also "tuneable white": this means that colour temperature can be continuously varied from 3000K to 6000 K. This is controlled via DALI interface, as is the individual brightness of both light components. When combined with suitable light controls, Compar pendant luminaires enable atmospheric light effects to be achieved and biodynamic lighting concepts to be realised.

The range of Compar pendant luminaires features a uniform design in accordance with the ERCO system of luminaires, enabling solutions for an extremely wide variety of situations: the downlight modules have two wattage levels and a height-adjustable mounting system consisting of wire and cable with a ceiling canopy that also enables through-wiring. The tuneable white versions for the indirect component fundamentally feature DALI control gear, whilst lighting designers select between switchable or DALI control gear for the other variants. The aluminium

housing profile is powder-coated in the system colours black, white or silver.

Thus, the high-performance Compar lighting technology taps a further innovative application: within elegant and extremely variable pendant luminaires that provide lighting designers with new, creative approaches for illuminating offices and public buildings.

Technical features

ERCO lens system:	Spherolit lens, collimating optic made of optical polymer
Light distributions (downlight modules):	Wide flood, Oval wide flood
Light distribution (uplight):	diffuse, indirect
ERCO LED module:	high-efficiency LEDs on metal core PCBs, light colours: 2700K Ra≥90*, 3000K Ra≥90, 4000K Ra≥80, 4000K Ra≥90* (* light colours on request). Uplight module also available in tuneable white.
Louvre:	polymer, silver or black
Housing:	aluminium profile 38x72mm, length 1200mm or 1600mm, colours: white, black and silver
Installation:	suspended, height-adjustable with wire or supply cable and ceiling canopy; through-wiring possible
Control gear:	switchable, DALI

Images



With options such as direct/indirect light and tuneable white, Compar pendant luminaires are the ideal choice for office workplaces and reception counters. With the tuneable white version users can individually adjust the light colour of the indirect component.

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The slender aluminium profile of Compar pendant luminaires contains two downlight modules with wide flood, extra wide flood or oval wide flood light distributions. Two wattages and two profile lengths allow the lighting to be configured according to spatial conditions such as the ceiling height.

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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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