

**Light for modern work – standard-compliant and aesthetic:  
ERCO Jilly recessed and surface-mounted luminaires**

**Lüdenscheid, July 2019.** A new, versatile system of luminaires for office workplaces: based on LED lens optics arranged in grid configurations, ERCO developed the Jilly series of recessed and surface-mounted luminaires with an original design. On the one hand, these feature ergonomics conforming to standards and high glare protection, and on the other hand, with square and linear designs as well as various sizes, light distributions and colours of the anti-dazzle louvres, they offer broad options for individually designing the work environment.

That decisive element of attractiveness and productivity: it's a good investment if an office lighting concept succeeds in achieving this factor whilst remaining consistently economical. This is why successful companies and administrations offer their employees individually designed working environments that promote creativity and well-being. Part of this approach is lighting that not only meets the relevant standards for office workplaces, but also reacts flexibly to a wide variety of room situations and meets high design standards. With Jilly, ERCO now presents recessed and surface-mounted luminaires for standard-compliant, economical and at the same time creative lighting concepts. They belong to the extensive new Jilly range comprising pendant luminaires and downlights for track in addition to recessed and surface-mounted luminaires, all in a consistent design.

**Lighting technology combines visual comfort and efficiency**

With Jilly, ERCO has implemented innovative lighting technology: this consists of a highly efficient optical polymer lens system arranged in a grid and combined with Mid-Power LEDs with particularly high luminous efficacy of over 140 lumens per watt. Lighting designers can select between two light distributions: oval wide flood (86°) and extra wide flood (82x61°). The axially symmetric oval wide flood distribution can be optimally aligned to the arrangement of the workstations, whilst rotationally symmetric extra wide flood ensures good uniformity, even with large and economical luminaire spacing. The lens optics in combination with the

black or silver anti-dazzle louvre provide very good visual comfort, and with  $UGR < 19$  also comply to standards for office workstations. Their glare-free vertical light component also generates high cylindrical illuminance at head height: as a result the faces of employees and discussion partners are illuminated in a pleasant and easily recognisable way which in turn supports effortless communication in the office.

### **Especially slim recessed luminaires**

In addition to the innovative lighting technology, Jilly recessed luminaires offer a further advantage that catches the eye: they are extremely slim and therefore require a recess depth less than 100mm. Compared to comparable conventional louvre luminaires, the size of the luminaire apertures is also reduced by up to 60 percent to provide a calm, structured ceiling appearance. Two different square sizes with 5x5 or 12x12 louvre cells as well as a linear design provide flexibility for lighting designs and generate luminous fluxes from 1500 to 5760 lumens with system consumption from 13 W to 39W. Highly practical installation details ensure reliable, efficient installation in ceilings.

### **Installation-friendly surface-mounted luminaires**

Jilly is also available in flat, elegantly designed surface-mounted enclosures for all situations needing surface mounting, for example with solid ceilings or in uncomplicated modernisation projects. The design and lighting technology of these correspond to the Jilly recessed luminaires, so that even the most diverse combinations are possible with a high level of harmony. Safety class II is another common feature of the recessed and surface-mounted variants, a feature frequently specified in office tenders.

### **Systematic planning with process reliability**

To provide Jilly users with quick and logical access to the wide range of office lighting options, ERCO has implemented its proven luminaire system here as well. As a result, all Jilly luminaires are available in six different light colours ranging from warm white to neutral white: 3000K and 4000K (Ra 82) as well as 2700K, 3000K, 3500K and 4000K (Ra 92). In addition to switchable control gear, DALI

versions are available for digital control scenarios, and Jilly's square designs are also available with phase dimmable control gear. To match the appearance of the luminaires to the specific design concept, anti-dazzle louvres are available in black and silver – or via the "ERCO individual" service also with individual metallic surfaces such as gold, champagne or copper. Jilly recessed and surface-mounted luminaires thus form a highly comprehensive and adaptable system for the illumination of modern work environments.

## Technical features

ERCO lens system:	lens made of optical polymer
Light distributions:	Extra wide flood (86°), Oval wide flood (82x61°)
ERCO LED module:	Mid-Power LEDs
Light colours:	3000K and 4000K (Ra 82) and 2700K, 3000K, 3500K and 4000K (Ra 92).
Housing:	cast aluminium, polymer
Louvre:	polymer, silver or black
Installation:	ceiling recessing or surface-mounting
Control gear:	switchable, phase dimmable, DALI

## Images



Task sharing with Jilly in a design office: circulation areas illuminated with compact, square Jilly surface-mounted luminaires in size 5 and standard-compliant workstation lighting thanks to size 14 Jilly recessed luminaires.

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Visualization: Electric Gobo



The linear design of ERCO's Jilly recessed and surface-mounted luminaires emphasises the axes and contours of office architecture and simultaneously provides ergonomic, glare-free light for work.

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Visualization: Electric Gobo



An extensive range for standard-compliant and at the same time nuanced lighting in modern offices: Jilly recessed and surface-mounted luminaires from ERCO.

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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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