

ERCO Lightscan: Powerful light for ceilings and façades

Lüdenscheid, February 2015. Effective illumination for tall structures requires highly efficient lighting tools that can fulfil different lighting requirements with accuracy even from significant distances. ERCO's Lightscan offers an outdoor luminaire with high levels of luminous flux and efficient LED photometrics that ensure power and precision in the uniform illumination of buildings and landmarks even where these are exceptionally tall – such as the New York Times Building. ERCO has extended the range by two new versions adding a ceiling washlight and a downlight with exceptionally high lumen packages. Ceilings and traffic routes can, as a result, be illuminated with homogeneous and brilliant light. The uniform and powerful LED light of these luminaires lends itself equally for use indoors where applications call for a higher protection mode, such as in malls and train stations. The variety of Lightscan solutions supports an elegant digital design that blends inconspicuously into any architecture.

Lightscan appeals with outstanding photometric and design aspects which the digital lighting tool owes to the latest developments in the field of optoelectronics. Versions ranging from 18W to 96W, with 1800 to 12700 lumens, enable the luminaire, with its consistent design language, to solve almost any lighting task – including buildings of significant proportion or over large distances. The new façade and surface-mounted luminaires provide powerful and efficient general lighting for large spaces that call for a higher protection mode. They are ideal for use in stations, passages and arcades or even for pathways in the vicinity of buildings. The beams can be aligned individually and projected precisely onto the required object. Maintenance-free optoelectronics help save natural resources and result in lower operating costs.

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Precise and powerful in every detail

The ceiling washlight is ideal for the illumination of cantilever roofs, and help make the space below appear larger and brighter. The wide-beam version illuminates the roofs along the façade and allows wide luminaire spacing thereby reducing the number of units. Large ceiling areas, meanwhile, are illuminated effectively using the deep-beam version. The round Spherolit lens oval flood in Lightscan can be freely rotated for optimum adjustment of the lighting to focus on different objects and zones. This light distribution is ideal, for instance, for the illumination of narrow passages.

Powerful, flexible and highly efficient

With Lightscan ERCO made a point of developing a powerful range of products that meets all the requirements of architects and designers. Be it as a projector, floodlight or lens wallwasher: Innovative photometrics and the flexible Spherolit lenses produce crisp-edged beams as efficiently as seamless wallwashing with high levels of luminous flux, depending on the intended target. The oval flood lens creates an ellipsoidal beam that can be rotated through 360 degrees. An extensive range of mounting hardware means the Lightscan fulfils different requirements effortlessly. Warm white and neutral white colours of light offer a broad scope for design to allow for different materials and surfaces, whereas coloured light on façades and walls generates eye-catching effects.

Slim silhouette

Lightscan appeals with a design that has been specially developed by ERCO's design team for LED technology. The luminaire's highly efficient LED packages, which enable its enormous range of lumen packages for outdoor use, are reflected also in its distinct design. The slim silhouette, reminiscent of a computer monitor, is facilitated through arrangement of the LEDs on the PCB in combination with ERCO's precise lens technology, in turn using high-grade optical polymers. As a result, it blends harmoniously with its surroundings. For permanent alignment of the beam, the hinge can be tilted by 90 degrees and locked precisely and securely in position.

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Robust partner

The luminaire's powder-coated and smooth cast-aluminium housing and its reinforced glass cover guarantee long life and easy cleaning. This keeps the maintenance costs to a minimum, even after installation, and makes the Lightscan ideal for any lighting task in the outdoor area, but also for indoors where applications call for a higher protection mode – such as in swimming pools or sports facilities.

Technical features of ERCO Lightscan

ERCO lens system:	Spherolit lens, collimating lens made of optical polymer
Light distributions:	Narrow spot, spot, flood, Wide flood, Oval flood, wallwash
ERCO LED module:	High-power LEDs on metal core PCB, light colours: warm white or neutral white, 3000 - 4000K, varychrome RGBW
Housing and bracket:	Cast aluminium, double powder-coated: Graphit m, corrosion-resistant
Control gear:	Switchable or DALI dimmable

Images



The Lightscan ceiling washlight is ideal for the uniform illumination of ceilings or the accentuation of cantilever roofs.
Photo: ERCO



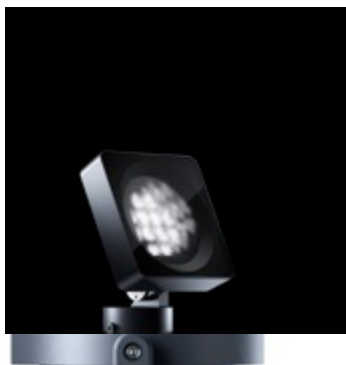
The Lightscan range of ERCO luminaires with a downlight (shown), ceiling washlight and outdoor projector covers the whole spectrum of façade and traffic route illumination.
Photo: ERCO

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A powerful outdoor projector, Lightscan combines highly efficient photometrics with a user-friendly, linear design.

Image: ERCO



The tiltable hinge of Lightscan can be locked in position. This ensures that the high levels of luminous flux of ERCO's outdoor luminaire reliably fall on the right surface.

Image: ERCO



The precise oval flood light distribution of the Lightscan surface-mounted luminaires ensures efficient and reliable illumination of buildings and pathways.

Image: ERCO

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About ERCO

The ERCO Light Factory in 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 over 60 subsidiaries, branches and agencies in over 40 countries worldwide. Since 2015 ERCO's portfolio has been 100% LED. Inspired by "light digital" as its leitmotif, 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.

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