



Architect's office in listed commercial building atmospherically illuminated

An architect from Sydney and his team acquire a listed commercial building. The newly furnished rooms show in an exemplary fashion how a lighting solution for offices which is based on perception-oriented lighting design can be both effective and pleasing.

For an architect with high creative expectations – apart from his own studio building, designed by himself – there can hardly be a more fitting office space than an old industrial loft. The atmospheric quality of these usually high rooms, which are frequently flooded with light, their rugged charm and their workshop character explains why they have attracted creative minds for so long. The architect, Angelo Candalepas, who moved with his team into a listed commercial building in the heart of Sydney's bustling Central Business District, also succumbed to this charm.

Light as the central issue in office design

One of the lighting design challenges of this project was distinctively different amounts of natural daylight in individual areas, which required a balance of natural and artificial light. Therefore 3000K dimmable lights were used throughout the office, so that the artificial light could match the changing daylight conditions. A further challenge was posed by the uneven, highly structured ceilings. ERCO track was so successfully integrated into this

ceiling structure that it can only be perceived as a supplementary element.

Differentiated lighting concept with three luminaire families

Following Richard Kelly's lighting philosophy that lighting should be installed only where it is needed, we developed a convincing differentiated light concept, which was essentially implemented with three luminaire families. Whereas in the rather dark basement 8 watt Starpoint downlights with wide flood lenses provide a bright, friendly atmosphere, in the entrance area and offices spotlights from the Parscan and Pantrac luminaire families with a variety of wattage and light distribution were used.

On the ground floor, where the meeting areas are principally located, 24 watt Parscan wallwashers produce ambient lighting, which serve several purposes: It expands the visual impression of the rather tube-like division of the spaces, sets off the substance of the old building and makes the material on the large pin boards legible. Accent light is provided by 24 watt Parscan spotlights with flood lenses,

Project data

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| Project: | Candalepas Associates, Sydney / Australia |
| Architecture: | Candalepas Associates, Sydney / Australia |
| Photography: | Jackie Chan, Sydney / Australia |

which have been angled towards the discussion tables.

In the office areas on the first and second floors, where people work at screens – Parscan spotlights with oval flood light distribution are used for steady, glare-free illumination of the surfaces of the desks. For the ambient lighting Parscan wallwashers were the choice once more – this time 12 watts. They were supplemented in areas with particularly high ceilings by Pantrac ceiling washlights with a power output of 24 watts.

The icing on the cake for the lighting solution

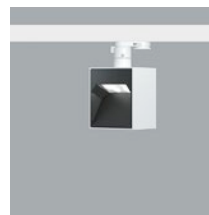
With respect to the lighting design, the office used personally by Angelo Candalepas proved

particularly delicate, due to its high ceiling and large windows. Whereas his desk itself has been placed next to the window, the drawing board is located away from the window. Here two Pantrac ceiling washlights each of 24 watts, provide suitable ambient lighting and a Parscan spotlight directs the light with perfect precision onto the drawing board. For the evening hours on Candalepas' desk – almost like the icing on the cake – Lucy, the most recent task light from ERCO, stands and displays its useful advantages: it can be swivelled and directed for individual purposes and in particular, it can be dimmed down to one per cent.

Luminaires used in the project



Lucy



Pantrac



Parscan



Starpoint

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. Work-

ing 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.

Copies and links requested.

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