Covestro - Luminaires

Leverkusen, Germany

Lindner


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Project Description

Covestro AG moved into its new headquarters in the "chemical capital" of Leverkusen at the end of 2020 (with a reduced team due to the pandemic situation). The administration building of the world's leading supplier of polymer materials offers plenty of space and various work options for up to 750 employees with six floors and modern office areas. It was particularly important to the clients and architects to implement a coordinated, consistent design concept with individual solutions.

As the general contractor for the interior work, Lindner SE handled various trades from drywall construction to subcontractor services. The system partitions, built-in furniture, counters, doors, ceiling and floor systems were all produced in-house. Lindner Leuchtenfabrik also developed and supplied 33 design luminaires for work islands on behalf of Kinzo and Signify. Components from Signify (Philips) were used for the control system.

The design specification was an acoustically activated fabric covering in the form of a bridge luminaire that extends over three double workstations. Lateral steel tube supports with a width of 1,000 mm at the floor and a height of 2,345 mm serve as suspension and were equipped with levelling feet. The luminaire body is trapezoidal with the dimensions: Length 4,850mm, width 960 mm, height 345 mm. In accordance with the different colour designs of the individual tiers, there are five different coloured, laminated textile coverings type Kvadrat Rime. The tubular steel frame was powder-coated in RAL 9016. To reduce weight, the basic body was provided with a perforated pattern, yet the total weight still amounts to 125 kg per luminaire.

The LEDs chosen for the luminaire are neutral white 4,000°K with inserted micro-prismatic discs that shine asymmetrically onto the workstation, each with a luminous flux of maximum 10,000 lm. The desired luminous flux value can be set on-site via DALI cable using the driver programming.

The light control (daylight, presence) takes place by means of wireless motion sensors integrated in the textile field. Of course, this can also be operated manually by means of light control at the respective individual workstation. In addition, it is possible to integrate the free-standing luminaires, which are also supplied by Signify, into a zone and group control system. The connection cables have a mains socket on the upright side and a Schuko plug on the other end.

Due to the dimensions and the amount of electronic operating devices used, an extensive EMC test was carried out by an external test laboratory, with a positive result of compliance with the normative limit values.

General

Building Type	Office Buildings, Industrial and commercial construction
Company Division	Lindner SE | Luminaires
Completition	2018 - 2021
Architect	Henn Architekten

Completed Works

- **Luminaires**


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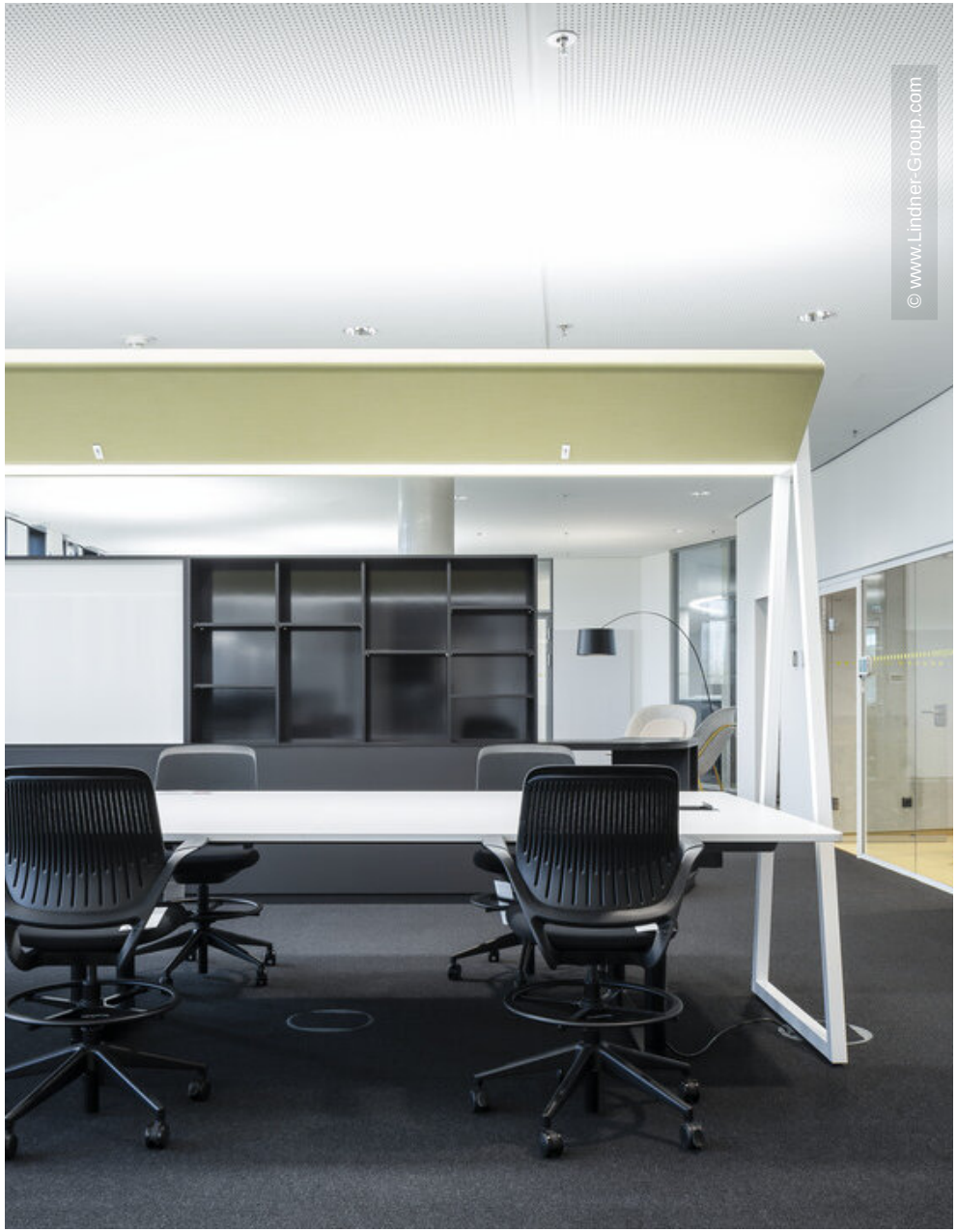
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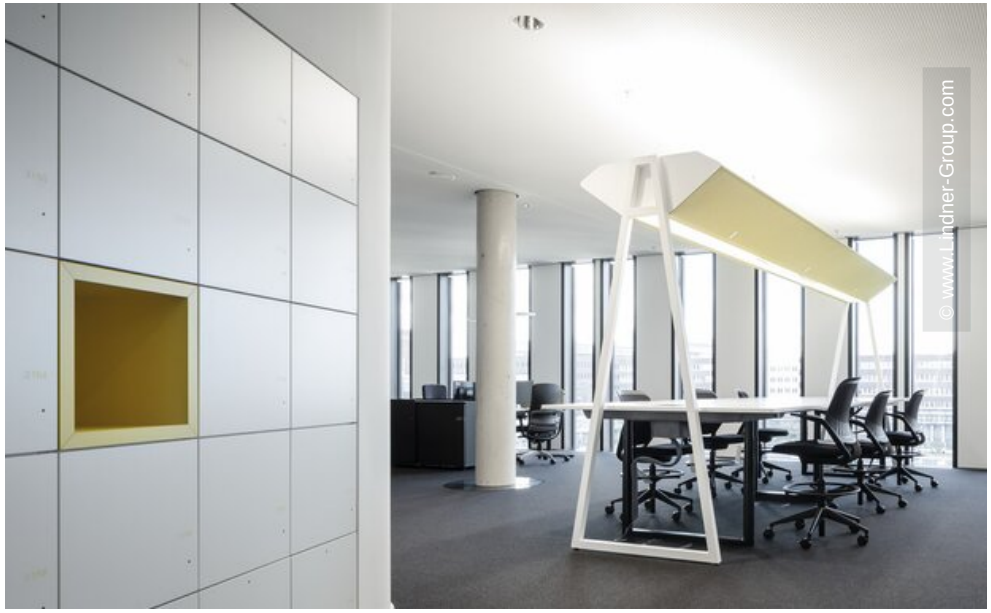
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