

PROJECT OF THE MONTH | Wilhelmsgymnasium Munich [DE]

**02
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CEILING
LIGHTING
AMBIENCE

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PROJECT	Wilhelmsgymnasium Munich [DE]
COMPLETION	July 2018
ARCHITECTS	Braun und Partner Architekten
PRODUCTS	S4 RHOMBOS EXPANDED METAL CEILING SYSTEM made of steel plate, various dimensions, mesh size: 16 x 8 x 1.5 x 1.5 mm, free cross-section: 63%, powder-coated in RAL 1035, mostly lined with fleece [610 m ²] OMEGA 100 lighting channel system Channel width: 100 mm, integrated in expanded metal panels, with satinised cover, light colour 4000 K, DALI dimmable [14 units] S7 RHOMBOS TAIFUN expanded metal ceiling system made of steel plate, various dimensions, mesh size: 44 x 12 x 3 x 1.5 mm, free cross-section: 50%; powder-coated in RAL 9003, lined with fleece [approx. 340 m ²] Roof lights with artificial illumination 1.5 thickness of steel plate in the form of a truncated pyramid, dimension of opening at bottom: 2210 mm x 2055 mm, height: 692 mm [20 units]

A mediator between the traditional and the modern – that is how the humanist Wilhelmsgymnasium secondary school in Munich views itself. Founded in 1559, it is the oldest secondary school in Upper Bavaria, and more than 620 young men and women are enrolled there as pupils. In the space of three years, this listed building was renovated and extended to a very high standard on behalf of the Department for Education & Sport at the federal capital of Munich, and under the project management of the Department of Construction. The result is an ultra-modern school in a historic building, in which durlum supplied appropriate ceiling and lighting solutions.

A multi-purpose area in which ceiling and walls are in harmony: powder-coated in pearl beige, the RHOMBOS expanded metal ceiling creates a seemingly seamless transition between walls and ceiling. With a free cross-section of 63%, this space has a very open look and feel. The individual panels are lined with fleece, which greatly improves the acoustics.

The open character of the expanded metal ceiling also extends into the break room. In conjunction with the symmetrically radiant OMEGA 100 linear lighting, an elegant and timeless ceiling design is created.

Another highlight is the new sports hall, located eleven metres below ground level. Resistant to the impact of balls, the S7 RHOMBOS TAIFUN expanded metal ceiling is aesthetically pleasing and also satisfies all functional requirements. The luminaires integrated in the big ceiling lights, measuring 2210 x 2055 mm, create the impression of natural daylight.

This school conversion project at the Wilhelmsgymnasium combines the traditional and the modern, accomplished in an impressive tour de force.