

UNIQUE LUMINAIRES IN DAVOS ICE PALACE

VAILLANT ARENA, DAVOS | SPORT AND LEISURE



Whether it is hosting Hockey Club Davos matches, the Spengler Cup or the “Art on Ice” figure skating show, the Vaillant Arena in Davos oozes international appeal. Lucerne-based architects Marques collaborated with the luminaire manufacturer Tulux from Tuggen to design a unique lighting concept that would suit the renovation of the ice arena.

Located in the centre of Davos, the Vaillant Arena is the home stadium of Hockey Club Davos and a meeting place for ice hockey fans from all over the world. Sport, architecture and lighting come together in the refurbished arena to create an utterly unique ice palace. The arena’s extraordinary roof structure, built in 1979, is recognised by fans around the world. The architecture firm Marques Architekten won the competition for the project to renovate the ice stadium. Inside the north and south wings of the building, dedicated spaces were created for restaurants, VIP guests, a Presidents’ Lounge and media representatives. The stands were extended in the east and west wings, while the four visitor sections are now served by a single entrance each. This brought the stadium up to the latest standards with regard to fire safety and emergency exit routes. At the same time, a dedicated training facility was constructed for Hockey Club Davos.

Property

Vaillant Arena, Davos

Building owner

Municipality of Davos, Davos

Architect

Marques Architekten, Lucerne

Electrical planner

Elkom Partner AG, Davos

Lighting planner

Ch. Keller Design AG, St. Gallen

Luminaires

Tulux AG, custom luminaires in indoor area as well as standard ZEN luminaire

SWISS LIGHT CREATIONS

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Architecturally distinctive luminaires

Using custom and standard luminaires, Tulux implemented the lighting concept created by the architects to perfection. The central idea – namely to combine and express the themes of winter, snow and ice in a luminaire – was realised thanks to the collaboration with Tulux. The luminaire manufacturer was able to fulfil the structural requirements of all the luminaires in a way that turned the architects' vision into reality. Architect Daniele Marques praises Tulux AG as a highly reliable, professional partner for tailored lighting solutions, which consistently demonstrates an understanding of architectural preferences:

“I was greatly impressed by the team's commitment to bringing the project to fruition, the mutual support and collaboration and the individual customisation of the luminaires.”

The elegant and dynamic icicle luminaire in the new restaurant in the north wing represents the most creative solution of the entire lighting concept. The 49 tube luminaires are made of acrylic glass, each with a small diameter of 60 millimetres. As they are of different lengths and arranged in a staggered pattern, the luminaires provide optimal lighting conditions and create a wintry atmosphere with their icicle shape. The custom luminaire reflects the architecture and its artistic identity. “It looks as though the snow that has fallen on the gable roof is melting into the public restaurant below. I like that,” says Daniele Marques. The architects' design had an oblong shape and gave the impression of an icicle. Tulux implemented every step of the project with the utmost professionalism, from the requirements in terms of look and shape through to the project's conclusion.

Large, simple and circular custom pendant luminaires illuminate the Presidents' Lounge. The unobtrusive appearance of this luminaire lets the lounge bask in its own beauty. A unified lighting concept was chosen for the entrance areas and passages between the sectors, with small luminaires integrated in the ceiling. These blend in perfectly with the ceiling structure, and the even arrangement between the ceiling's concrete beams gives the black lacquered PIXEL luminaires a subtle, restrained appearance. The ceiling luminaires are made of highly transparent glass covers and offer narrow-beam illumination due to the six-cell high-polish reflector.

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Daniele Marques has a clear vision for the realisation of a lighting concept.

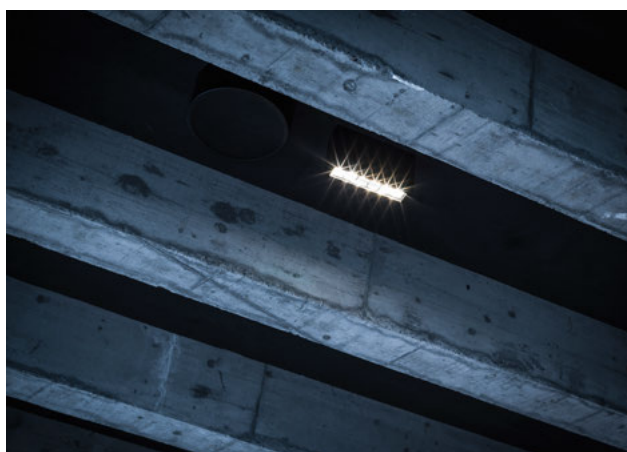
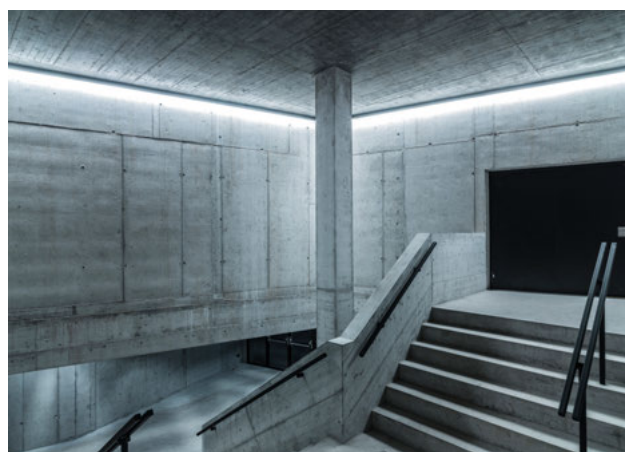
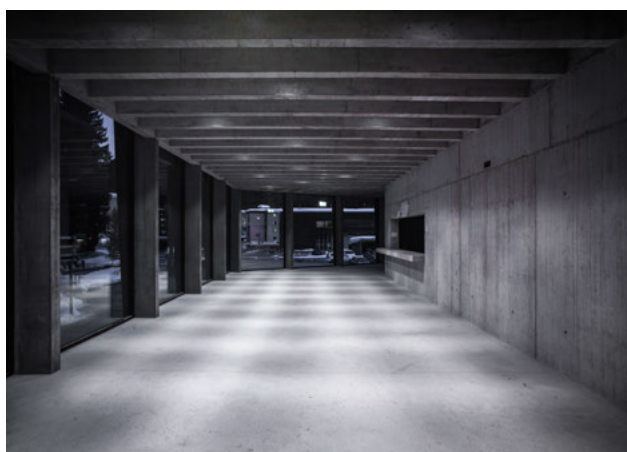
Tulux custom luminaires

Tulux helps its customers to create visualisations of the lighting effect, lighting properties and shape. With a wealth of knowledge and experience stretching back to 1948, Tulux analyses the surroundings and incorporates them into the implementation options. Together, a concept is drawn up that takes account of the stated requirements and compliance with the applicable regulations. Based on this concept, specifications for the construction are drawn up and a simulation used to make initial prognoses. After all, good solutions are always a synergy between design and construction. Based on the construction plans, Tulux makes tools, bends metals, moulds plastics and refines surfaces to create uncompromising and professional unique solutions. In the Tulux measuring laboratory, properties are tested, resistances are identified and weak points are uncovered at an early stage. These are then analysed and the causes rectified. Lastly, an assessment is made of the quality.

In Tulux, customers have a competent partner that accompanies and supports them and their vision from the idea generation to the finished installation. As Tulux develops and manufactures everything under one roof, the products' functionality is guaranteed. The entire Tulux team works to ensure that the project shines and inspires all who behold it.

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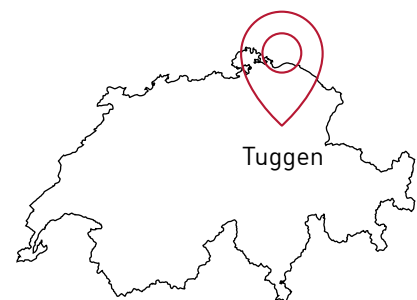
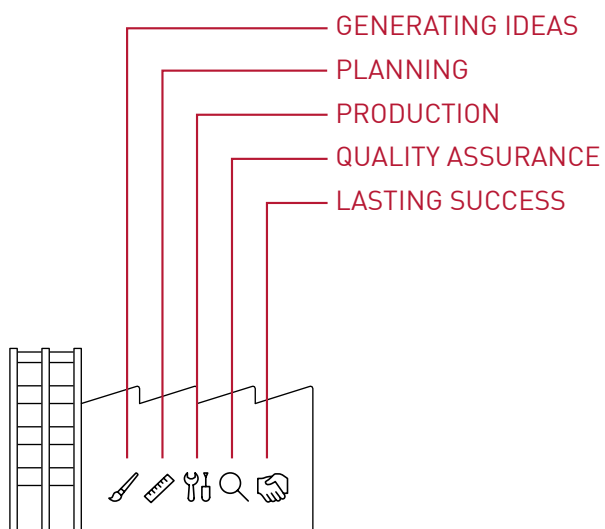
You can find more references and inspiration at
www.tulux.ch/en/products/inspirations

Working in partnership

Tulux designs, develops and produces luminaires in Tuggen, Switzerland.

The extensive standard range is supplemented with custom luminaires according to your requests.

Tulux is therefore the ideal partner for your projects, no matter how large or small.



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