

Historical Mangturm tower takes on a new light

With its vibrant constellation of glazed roof tiles, the Mangturm tower has become a real landmark for the German island-town of Lindau. Now a new energy-efficient LED lighting solution from Zumtobel puts the medieval fortification in a new light when darkness starts to fall on the scenic promenade, accentuating Lindau's unique Mediterranean-style atmosphere. Mounted unobtrusively on the façade, the luminaires are barely visible during the day, allowing a clear view of the imposing construction in the middle of the picturesque harbour.

Dornbirn, 31. May 2017 – The Mangturm was built on the harbour in the 12th century as part of the medieval fortifications for the pretty town of Lindau, situated on the shores of Lake Constance in the German county of Bavaria. The square stronghold retained its function as a signalling and observation post until as late as 1856, when the 20-metre-high stone structure was given a yellow upper floor and its distinctive glazed tile roof, making the tower the popular photo motif that it remains today. Now the addition of innovative and energy-efficient LED modules has helped show the Mangturm in a new, high-quality light.

[Zumtobel](#) worked closely with lighting consultant [Dieter Bartenbach](#) and the local authorities in Lindau to devise a complete LED lighting solution for the Mangturm. “Zumtobel is a partner who precisely understood our needs and wishes and who could translate these requirements into an optimal lighting concept. We wanted to underline the local flair of Lindau and to respect the preservation of the monument, while at the same time designing a truly cutting-edge solution,” explains Carsten Holz, Managing Director of the Lindau tourism and convention organisation (*Lindau Tourismus und Kongress GmbH*).

[SUPERSYSTEM outdoor](#) LED luminaires perfectly showcase the Mangturm and its shining roof tiles, thanks in no small part to the high colour rendering of Ra > 80. Carefully planned installation helps ensure that the modules themselves are barely visible during the day. Zumtobel developed a reduced form of the exterior spotlight specifically for this project. Incorporating fixed LED tubes and mounted in the eaves of the tower using customised brackets, these fittings illuminate the façade with vertical light from the top down. In this way, the LED solution meets the exacting requirements for the preservation of historical monuments in Lindau, whilst at the same time supporting the technological evolution of the island and ensuring consistently low operating costs. Indeed, the entire lighting solution can also be dimmed using a DALI signal. SUPERSYSTEM outdoor is also renowned for its outstanding versatility, making the luminaire an interesting proposition if and when thoughts turn to a comprehensive lighting concept for the island in the future.

Photo captions:

(Photo credits: Zumtobel)



Photo 1: Zumtobel worked closely with lighting consultant Dieter Bartenbach and the local authorities in Lindau to devise an LED lighting solution for the Mangturm tower.



Photo 2: The challenges of lighting the Mangturm centred around delivering just the right level of illumination for the tower itself, preserving the Mediterranean-style atmosphere of the town and carefully respecting issues linked to the preservation of historical monuments on the German island.



Photo 3: Zumtobel developed a reduced version of the exterior spotlight with fixed LED tubes specifically for this project. These fittings are mounted in the eaves to precisely illuminate the façade with vertical light from the top down.

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About Zumtobel

As a leader in innovation, Zumtobel develops sustainable lighting solutions tailored to the needs of people in their respective applications. With a comprehensive portfolio of high-quality luminaires and intelligent lighting management systems, the Austrian company provides optimum indoor and exterior products for working and living spaces - the right light for every activity at any time of day. The applications office, education, presentation and retail, hotel and wellness, health, art and culture and industry are now perfectly complemented with portfolios for living and outdoor areas. Zumtobel is a brand of Zumtobel Group AG with its head office in Dornbirn, Vorarlberg (Austria).

Zumtobel. The Light.