Part 2: Housing estate at the Olympia Park in Munich, Germany

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This is part 2 of chapter 5 of the handbook for the SynthLight on-line course on lighting:

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Project Title: Housing estate at the Olympia Park in Munich  
(‘Wohnen am Olympiaberg München’)

This project describes an estate of apartment blocks in the centre of Munich close to the Olympic Park. The demanding brief of the architects, building engineers and exclusive clientele required much thought to produce well-designed spaces ensuring harmony with the environment. The materials used for construction and interior design were of the highest quality. A vital aspect of the appearance is the generously dimensioned site layout. In the original planning stage, conventional exterior lighting was specified for the frequently used public spaces such as roads, pedestrian areas or common spaces.

In close collaboration with the architects, Bartenbach LichtLabor were able to convince the developers to implement a state-of-the art approach to the exterior lighting. This resulted in mayor improvements to the visual perception of the spaces creating lit pathways through the space with the added benefit of improved safety. The scheme implemented delivers a luminance distribution designed for visually pleasing experience and optimal visual performance. Modern free-form reflector systems with excellent colour rendering and warm-white light colour result in a pleasant and harmonious night time appearance. This is supported by special underwater lighting of the pond utilising blue LEDs. A time-based control strategy enables different lighting scenarios.

An important specification of any modern lighting installation should always be high efficiency and low energy consumption, coupled with low maintenance costs. This is delivered through the use of high quality materials and lamps with a high life time. The result is a perfect exterior lighting which enhanced the developer scheme and is enjoyed the tenants.

Type of building: Housing estate directly at the Olympia Park in Munich  
Completion: 2002  
Building owner: Bayerische Hausbau GmbH  
Architect: Hilmer Sattler & Albrecht München  
Lighting systems: Durlum Leuchten GmbH
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