

Schladming is one of the leading international ski resorts in Austria. It is part of the Ski Amadé network covering 28 ski areas and towns that make up the largest ski area in Europe. For the second time, Schladming was selected to host the FIS Alpine World Ski Championships, which took place from the 4-17 February 2013.

The goal of this lighting project was to renew the existing luminaires in the inner town and to light the new streets and roundabouts around the venue. Thorn was chosen to design and supply, largely due to the high technical specifications of its LED luminaires, energy efficiency expertise and longstanding reputation.

The Oxane (56W, 84W) road lantern was chosen for lighting the streets in lower ME-categories. Designed to deliver excellent lighting performance and energy efficiency, Oxane is at the forefront of LED technology. With excellent heat control and resistance to outside elements, the self-cleaning shape delivers accurate performance in Schladming's harsh conditions.

For the footpaths, the post top Plurio O LED and Avenue F LED lanterns were selected for lighting the paths in lower S-categories. In addition Plurio O is part of a large family offering style and performance to minimise obtrusive light. Conforming to the European Standard EN13201, Plurio O meets class G5, corresponding to a full horizontal cut off to prevent upward light. With the ULOR 0% accessory, Plurio even meets the most stringent class G6.

The Avenue F LED lantern features a prismatic crown for reduced glare and a distinctive modern aesthetic. Its state-of-the-art LED system provides performance, comfort and a unique light signature. Avenue F LED is part of an extensive family with coordinated columns and a wall version.

All of the luminaires at Schladming have been installed with Thorn's Bi power dimming. Bi power reduces energy consumption and light output by 50 per cent for eight hours during the night. Bi power also extends the lifetime of the LED and has no effect on colour rendering or colour temperature.

Christian Schmid, Project Manager, says: "By carefully selecting the right combinations of product, spacing and mounting height, we have ensured the wide variety of tasks are lit efficiently and correctly with minimal waste light. What's more, the use of quality LED lanterns will significantly simplify maintenance requirements and reduce the quantity of spare parts to be held in stock.



Left: Christian Schmid (Thorn Sales Manager)
Right: Manfred Breifuß (General Manager at Congress Schladming)

Manfred Breifuß, General Manager at Congress Schladming, adds: "The convergence of different villages into one city over the past few decades led to a few technical problems resulting from the likes of cluttering of different lighting points and extended cables.

"As part of the Schladming 2030 initiative, Thorn has been a competent partner and we look forward to the next steps together to illuminate Schladming more energy efficiently and safely."

Products used



Plurio O LED



Avenue F LED



Oxane LED

Facts

- Complete LED migration project
- All of the luminaires at Schladming have been installed with Thorn's Bi power dimming
- Energy consumption and light output have been reduced by 50 per cent for eight hours during the night
- The use of quality LED lanterns will significantly simplify maintenance requirements



As one of the key suppliers to the city of Schladming, Thorn took the opportunity to welcome 50 of its international customers to explore the city and take a tour of the installation while exchanging ideas on sustainable lighting solutions and LED lighting in general

eControl



Automatic scene setting

Through bi-power control allows lanterns to be dimmed to 50% output during the quietest hours of the night, resulting in a significant reduction in energy usage



Constant illuminance

Selection of the correct combination of product, spacing and mounting height ensures the wide variety of tasks are efficiently and correctly lit with minimal waste light



Maintenance

The use of quality LED lanterns simplifies the maintenance requirements and reduces the quantities of spare parts needed to be held in stock