

NORTHERN LIGHTS REDEFINED

SkiStar Cross-Country Ski Track, Vemdalen, Sweden

KEY FACTS

TOP LIGHT FOR TOP ATHLETES

With a warm white light colour, high luminous efficacy and great homogeneity, the STREETLIGHT FLEX luminaires create ideal conditions for skiers in the Nordic winter.

PERFORMANCE IN THE TOUGHEST CONDITIONS

With a robust design, high-quality components and an ambient temperature range of -40 to +50 °C, STREETLIGHT FLEX luminaires can be relied on even in difficult environments.

IN HARMONY WITH NATURE

With STREETLIGHT FLEX luminaires, light emission in the upper half-space (ULOR 0 %) is completely avoided at an inclination of 0°, thus minimising the light load on the surrounding natural environment.

MAINTENANCE MADE EASY

A five-year product guarantee, a rated service life of 100,000 hours and a tool-free housing opening make maintenance of the lights particularly easy and favourable.

STREETLIGHT FLEX SM RV25ST P 25W 730 WAL



ROBUST, EFFICIENT, ENVIRONMENTALLY CONSCIOUS - OUTDOOR SOLUTIONS FROM LEDVANCE

On behalf of the SkiStar company, LEDVANCE is implementing a lighting concept for the cross-country ski trail in Vemdalen in northern Sweden that reliably and effectively combines optimum lighting quality while respecting nature conservation standards, even under demanding weather conditions.

THE CHALLENGE

The SkiStar company operates several ski resorts in Sweden and Norway, including a three-kilometre trail in Vemdalen, one of Sweden's largest ski resorts. For this trail, the company was looking for a lighting solution that would fulfil the sensitive requirements in terms of interfering the least on the existing natural environment out of respect to the landowners, the Sami people who live there, as well as their reindeer which inhabit the land, while at the same time allowing locals and tourists to use the trail to its full extent after dark during the long Nordic winter.

THE SOLUTION

After extensive consultation, SkiStar decided in favour of the LEDVANCE concept. As only a mounting height of six metres was permitted and the terrain to be illuminated had many bends and differences in height, the experts from LEDVANCE recommended an option with a distance of 30 metres between the individual lighting columns for optimum lighting results. Following the customer's decision in favour of this concept, a total of 100 masts were erected along the route, each equipped with a STREETLIGHT FLEX SM RV25ST P 25W 730 WAL LED luminaire.

THE BENEFITS

The use of STREETLIGHT FLEX luminaires ensures optimum lighting quality regarding the specific requirements of the project - thanks to high light homogeneity, a luminous efficacy of 135 lm/W and a high luminous flux of 3,370 lm. The lighting solution also specifically respects the needs of the wild animals living in the area, for example by completely avoiding light leaks in the upper half-space (ULOR 0 %) of the LED luminaires at an inclination of 0°, thereby reducing light pollution to the surroundings to a necessary minimum. The notably robust design of the STREETLIGHT FLEX, excellent component quality and an ambient temperature range of -40 to +50 °C enable long-lasting product performance even under the particularly demanding external conditions of northern Sweden. And a five-year product guarantee, a rated service life of 100,000 hours and practical features such as tool-free housing opening minimise the costs and effort involved in maintenance.

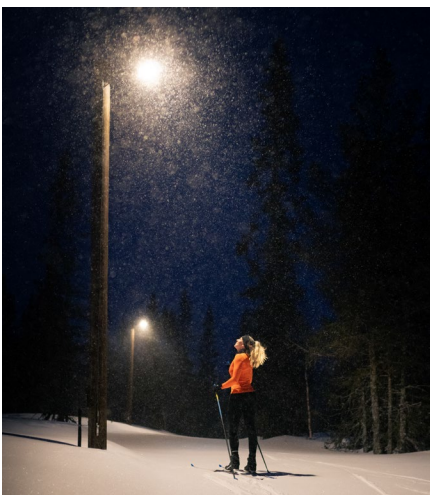
SUMMARY

SkiStar has commissioned LEDVANCE to develop and implement a lighting solution for a three-kilometre-long cross-country ski trail in Vemdalen. With the installation of 100 STREETLIGHT FLEX LED luminaires, the lighting professionals from LEDVANCE have created outstanding lighting quality within the

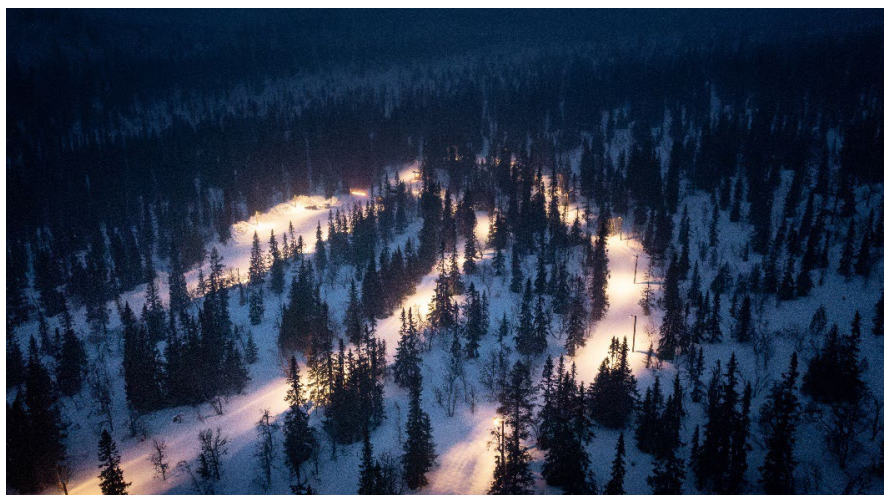
"We are very satisfied with the performance of the LEDVANCE team, because thanks to the expert advice and excellent product quality, we now have an efficient and powerful lighting solution that takes into account the wishes of our customers as well as the requirements of animal welfare and environmental protection."

Johan Jarefors, Electrical Manager, Vemdalen, SkiStar

budget requirements set by SkiStar, allowing ski enthusiasts to enjoy the ski track throughout the dark dominating Nordic winter season. This means extended business hours for SkiStar and their customers, the ski enthusiasts. The lighting solution offers reliable performance even under the toughest outdoor conditions whilst at the same time minimizing the impact on the local wildlife in the best possible way.



Homogenous illumination along the varied terrain



Three kilometres of cross-country ski trails illuminated with one hundred STREETLIGHT FLEX luminaires