



RACING WITH THE BEST LIGHT

RACEHALL COPENHAGEN, DENMARK

FACTS AT A GLANCE

THE MAIN LIGHTING PARTNER

With this project at RACEHALL it was not just about providing good lighting for the go-kart racing arena. The project also includes adjacent facilities like a restaurant, meeting rooms, go-kart garage, toilets and a reception area. With a wide portfolio, LEDVANCE was able to deliver the right LED solution for all applications.

OPTIMAL LIGHT QUALITY

Certain lighting standard requirements such as the DIN EN 12193 for sports facility lighting for professional use needed to be met. Perfectly suited for this is the LEDVANCE HIGH BAY 95 W luminaire which provides a light output of 13 000 Lumen and a beam angle of 90° which is perfect for a uniform light distribution.

HIGH BAY, PANEL 600



THE WORLD'S LARGEST INDOOR RACING TRACK ILLUMINATED WITH 200 HIGH BAY LUMINAIRES

The right light is essential for achieving maximum performance and safety when 36 go-karts are racing together in 22 bends over a distance of 1 200 meters.

THE CHALLENGE

Acceleration, adrenaline, concentration. High-speed indoor go-karting needs high-end lighting solutions. Bad uniformity, too little light, flicker or stroboscopic effects can lead to serious consequences. RACEHALL Copenhagen recently built the world's largest indoor 1 200 -meter-long go-kart racing track. LYSKONCEPT, the leader of the RACEHALL project, and LEDVANCE took up together in close cooperation the challenge to fulfill all the requirements from DIN EN 12193 for sports facility lighting and the wishes of RACEHALL themselves.

THE SOLUTION

The LEDVANCE luminaire HIGH BAY 95 W with 13 000 Lumen and beam angle of 90° was the perfect solution for a powerful and uniform light in the go-kart race area of RACEHALL.

In the restaurant PANEL 600 luminaires with a reduced glare of UGR < 19 were installed to provide a basic lighting. The same PANEL luminaires were used in the meeting and the briefing rooms.

The toilets and the walking area were equipped with DOWNLIGHT ALU luminaires. LINEAR ULTRA OUTPUT luminaires were selected for the go-kart garage to provide a clear light.

The beautiful red façade of the RACEHALL building was illuminated with decorative LED-STRIPS and control gears from LEDVANCE.

THE BENEFITS

The RACEHALL Copenhagen, the world's largest indoor go-kart racing track, aims to provide the ultimate customer experience. High visual lighting comfort in the racing area ensures the perfect conditions for drivers, making the experience even better. To fulfill the customer experience, the light in the adjacent facilities was designed to support the unique atmosphere of RACEHALL as well. LEDVANCE assisted with the light planning and technical know-how for the whole project.

SUMMARY

With direct contact to RACEHALL, the lighting specialist, LYSKONCEPT was leading the project. In close collaboration with LEDVANCE, the parties managed to design a completely new LED lighting solution for the RACEHALL. The main attraction is the go-kart racing area, but the adjacent facilities like the restaurant, meeting rooms, video rooms, the reception area and the go-kart garage are important as well.

“LEDVANCE were able to support this important project with the right technical know-how, lighting design and quality to meet my customer's expectations“

Henrik Kristensen, Managing Director of LYSKONCEPT



LEDVANCE PANEL 600 luminaires as ceiling illumination in the entrance area.



RACEHALL, the world's largest indoor go-kart racing track freshly equipped with LEDVANCE LED luminaires

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