

CASE STUDY



LEDVANCE

# GREAT LIGHTING FOR GREAT CHAMPIONS

Žalgiris Arena, Kaunas, Lithuania

## KEY FACTS

### MASTERFUL LIGHT

With a luminous flux of up to 71 000 lm, the new LED lighting meets the requirements for broadcasting international basketball matches.

### LIGHTING IN TOP FORM

High-quality metal reflectors enable light control without colour interference and stainless-steel reflectors minimise stray light and glare.

### CUSTOMISED LIGHTING SOLUTION

LEDVANCE LED Floodlight Arena luminaires in a duo version have been specially developed for the requirements of the Žalgiris Arena.

### FAVOURABLE MAINTENANCE

Thanks to a service life of up to 120 000 hours (L80 @ 15°C) and a 5-year guarantee, the effort and costs involved in maintaining the luminaires are minimised.

### FLOODLIGHT ARENA D700W





# MAXIMUM PERFORMANCE GUARANTEED – LED LIGHTING FOR SPORTS ARENAS

**LEDVANCE developed LED floodlight arena luminaires specially for the Žalgiris Arena, which also fulfil the technical requirements of the Turkish Airlines Euroleague with outstanding lighting quality, ease of maintenance and energy efficiency.**

## THE CHALLENGE

The Žalgiris Arena in Kaunas is the largest multifunctional arena in the Baltic States and the venue for internationally recognised sporting events. The lighting inside the arena with old metal halide spotlights was to be replaced by a modern and efficient LED-based solution. The new lighting was needed to improve the quality of light and also meet the technical requirements of the Turkish Airlines Euroleague for the organisation and TV broadcasting of international basketball games by Žalgiris Kaunas by providing suitable glare-free illuminance.

## THE SOLUTION

The customer UAB Kauno Arena commissioned LEDVANCE with the planning and realisation of a new lighting solution for the Žalgiris Arena. In addition to an already successful collaboration, LEDVANCE's international expertise in the lighting of sports facilities was also a decisive factor. Accordingly, LEDVANCE developed a lighting design for the arena that replaced the existing metal halide spotlights with a total of 100 LED Floodlight Arena luminaires in the Duo version specially configured for this project, equipped with a DMX control system to enable a full customisation of lighting scenes.

## THE BENEFITS

With the new lighting solution, the Žalgiris

Arena fulfils all requirements for TV broadcasts of international basketball games in the Turkish Airlines Euroleague and even World Championships. The Floodlight Arena luminaires with a luminous flux of up to 71 000 lm in the Duo version, a colour rendering index (CRI) of 90 and significantly improved energy efficiency ensure optimum lighting in terms of lighting quality and cost-effectiveness. High-quality metal reflectors enable light control free of colour interference and stainless-steel reflectors minimise stray light and glare. The COB-based floodlights with anodised die-cast aluminium housings also impress with their optimum thermal behaviour. With a 5-year guarantee and a rated service life of up to 120 000 hours (L80 @ 15°C), the floodlights reduce maintenance costs and effort in the long term.

## SUMMARY

LEDVANCE planned and implemented a new lighting solution for the Žalgiris Arena in Kaunas for the customer UAB Kauno Arena. By replacing the existing metal halide floodlights with LED Floodlight Arena luminaires specially developed to meet the customer's needs, the significantly improved quality of light not only fulfils the technical requirements for TV broadcasts of international basketball games but also achieves the best results in terms of energy efficiency, ease of maintenance and lighting control.

Customer: UAB Kauno Arena

“The lighting solution from LEDVANCE has really addressed all requirements and gives the arena a new dynamic feel.”

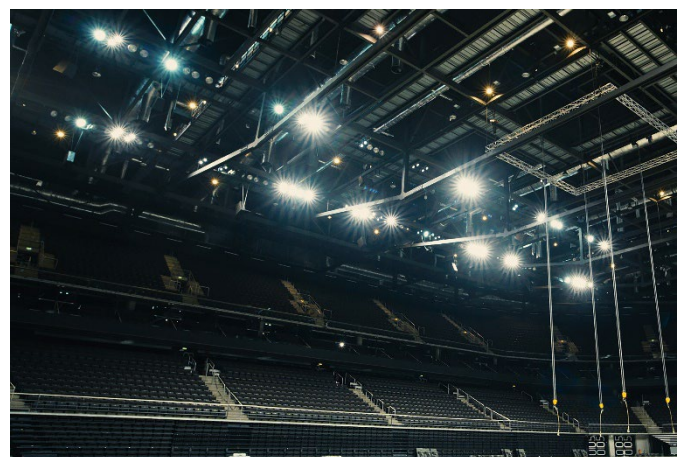
Vaidas Ivanauskas, Žalgiris Arena  
Head of Technical Maintenance



DMX control for full lighting scene customisation



Each floodlight features two optical modules, allowing for precise control over lighting intensity



Rigorous lighting standards need to be met for international games