

Case Study EDUCITY Sports Complex

Location
Philips Lighting

Johor Bahru, Malaysia
ArenaVision MVF403, Landmark MVF028, OptiVision MVP507,
ConTempo RVP351



©2013 Koninklijke Philips N.V.
All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

APR / August 2013

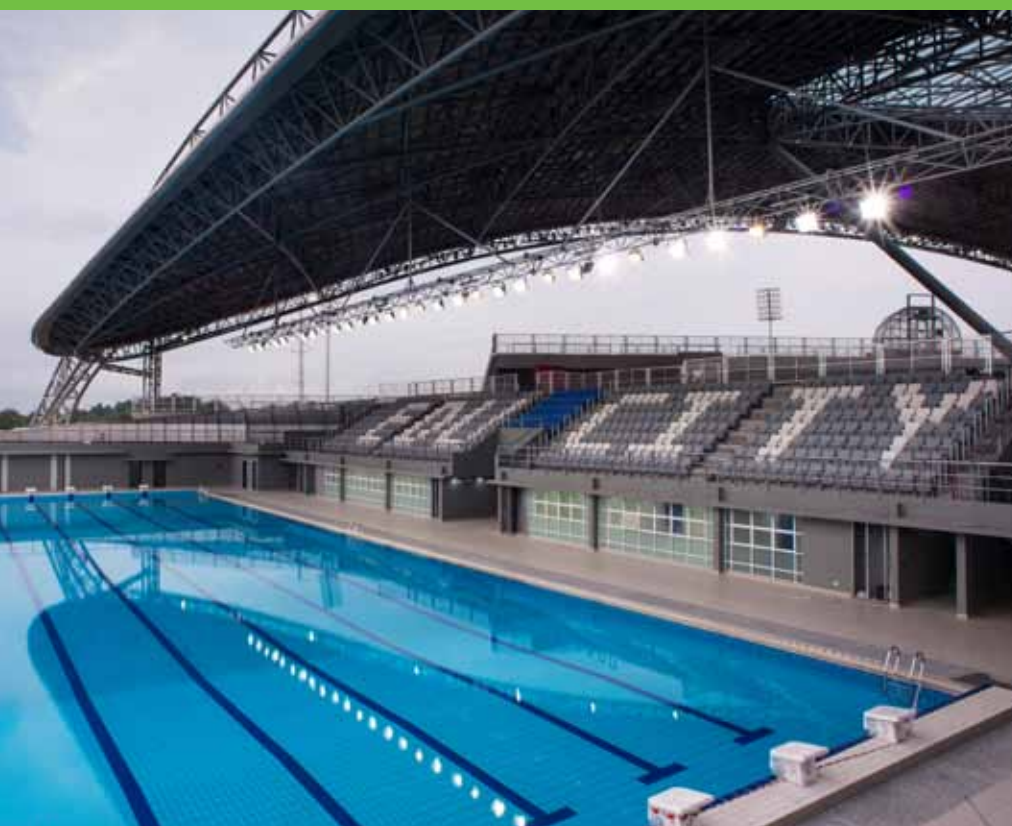
PHILIPS

EDUCITY Sports Complex champions exceptional sports viewing with unique lighting solutions



“The new lighting solutions have fulfilled our expectations on providing a world-class sports complex with a favorable sporting environment, be it day or night, for both competitive and recreational sporting events.”

Muhammad Suhaili Azid, Assistant Vice President, EDUCITY Development



Fast facts

Client

Iskandar Investment Berhad

Project

EDUCITY Sports Complex

Location

Johor Bahru, Malaysia

Project Management Consultants

Iskandar Development Management Services Sdn. Bhd. (IDMS)

Project Team

Ranjith Nithin – Lighting Application Services Manager

Mark Chelliah – Project Sales Engineer

Ben Chi – Product Marketing

Philips solution

ArenaVision MVF403, Landmark MVF028, OptiVision MVP507, ConTempo RVP351

Background

Iskandar Development Management Services Sdn Bhd (IDMS) is a wholly-owned subsidiary of Iskandar Investment Berhad (IIB), the catalytic developer of Iskandar Malaysia. Being a Project Management Consultancy (PMC), IDMS specializes in development and implementation management. IDMS has a wide and in-depth experience in helping organizations successfully develop and manage their projects from conception to completion.

Iskandar Group is developing an Education City (EDUCITY) in Johor Bahru, which houses a number of international universities. In view of providing them the required infrastructure, Iskandar constructed a sports complex. They wanted to provide a world-class infrastructure that would be able to host sporting events and looked for a suitable lighting solution. The sports complex was built with various sports facilities which includes a soccer stadium, swimming stadium and indoor sports arena that will host badminton, basketball and futsal games.

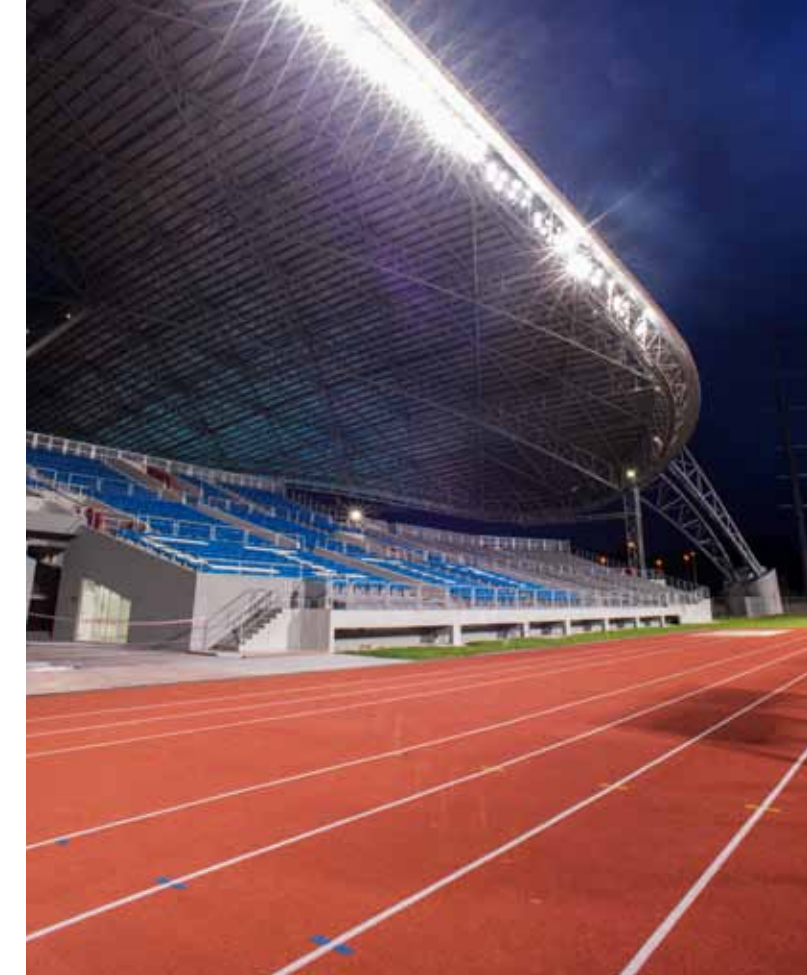
The Challenge

Each individual sport has precise lighting requirements to be met (lighting levels, uniformities, etc.). Aside from specific sport requirements, the lighting also had to offer excellent color rendition and glare control with minimum spill light to avoid light pollution. In the soccer stadium, a right balance had to be achieved with lighting from high masts on one side and the curved stadium roof structure on the other. Hence, special attention to details and other considerations had to be taken into account for the choice of lighting depending on the type of sport being played, their specific lighting and physical requirements.

The Solution

Taking into account the technical requirements for stadium lighting, the Philips team suggested the use of ArenaVision for the soccer and indoor stadium, OptiVision for the indoor Stadium, ConTempo and Landmark for the swimming stadium.

The luminaires were carefully chosen to achieve the desired atmosphere, not only for the players, but also to the spectators, officials and other stakeholders. The right combination of Philips lighting solutions used in the stadiums was able to offer good visibility, excellent visual comfort and minimum glare.



Benefits

The lighting solutions offered an excellent lighting quality which improved the performance of the players and offered exceptional viewing experience. Adequate lighting levels, good uniformity and freedom from glare were achieved as it was designed with the well-being of players, officials and spectators in mind.

