



**PHILIPS**

Outdoor lighting

Sports



Case Study

Chelsea F.C. the first  
premier league club  
to install the ArenaVision  
LED lighting system

Stamford Bridge, London, United Kingdom

**Customer**Chelsea Football Club  
.....**Location**London, UK  
.....**Philips product**ArenaVision LED  
.....**Project partners**Boon Building Services Ltd,  
TAP, Webb Yates Engineers  
.....

## The project

Philips has provided state-of-the-art LED pitch lighting for Chelsea Football Club making Stamford Bridge the first stadium for a professional football club equipped with this pioneering lighting system, which will ensure that the stadium continues to be one of the most famous sporting arenas in the world. The world's first ever floodlit football match took place in England. Now as sports lighting goes digital, this installation marks another technology milestone in the modern football game.

## Solutions and Benefits

The Philips ArenaVision LED floodlighting system is an innovative LED pitch lighting solution, designed to provide footballers, fans and TV broadcasters with the best possible experience and to support the latest Premier League requirements for TV broadcasting. These include lighting standards for high definition super slow-motion replays, avoiding the flicker synonymous with conventional lamps. Also, unlike the previous metal halide system, the new LED solution can be instantly switched on and off without the need for a warm up period.

“ I am delighted to be able to work with Philips on delivering the best possible environment for our supporters to enjoy Chelsea matches in. Once again, Chelsea Football Club is at the forefront of innovation and **we look forward to many more memorable games at Stamford Bridge under this new floodlighting system.**”

Ron Gourlay, CEO Chelsea FC



Sports

The installed LED pitch lighting meets the new stringent broadcast criteria of the English Premier League in helping to deliver high definition, flicker-free super-slow motion images and will ensure that Chelsea delivers the best possible viewing experience to the 40,000 plus fans in the stadium as well as those at home.

The solution includes a dedicated user interface and a control system allowing quick, easy and reliable monitoring of the system and switching between optimal lighting configurations thereby providing complete flexibility and the ability to

switch and dim each floodlight individually.

The Philips ArenaVision LED floodlight system can also be used to create special entertainment lighting effects that would normally require dedicated stage-lighting, providing the opportunity for the floodlights to be integrated into pre- and post-match light shows to help build the atmosphere and excitement in the stadium.

The new LED floodlights deliver flawless lighting, achieving exceptional vertical illuminance on the players and good uniformity of light. In addition to supporting better quality broadcast images, the club






will also benefit from maintenance savings due to the exceptional long life of the LED solution. Typically, metal halide floodlighting lamps should be replaced every three-seasons to maintain the lighting levels required. The Philips LED system is expected to last in excess of 10 seasons.

The club is also upgrading its lighting at its training ground, installing the OptiVision LED floodlighting system to deliver a similar lighting performance when training as on match days. With the new system it is possible to light specific areas of the training ground to different illuminance levels to create the ideal practice environment for players.





 Watch the video

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