

SPORTS PROJECT CASE STUDY

# Barnet Football Club



Established in 1888, Barnet FC, or the Bees as they're affectionately known, has had its share of highs and lows. The highs include winning the Athenian League seven times. The lowest period being its 26 years as a non-league team.

The club has a historic claim to fame as the host of the first ever live TV broadcast football match in 1946. Ironically, as we weren't around at that time, the match had to be stopped 30 minutes in the second half because of poor lighting.

In 2009 the club moved to its new home – the Hive Stadium. At the Hive, the Bees have hosted Premier League clubs, international clubs from Italy and France, and National Squads from Brazil, Germany, Egypt, and Chile when they're visiting London.

## The challenge

In 2019, Barnet FC came to us because its lighting had reached the end of its life and was subject to constant failure and high maintenance costs. It also wanted to make energy savings, reduce its environmental damage, and improve its lighting overall.

## At a glance

**Sector:** Sport  
**Customer:** Barnet FC  
**Club founded:** 1888

**Stadium capacity:** 6,500  
**Project date:** 2019  
**LED floodlights installed:** 32

**Type:** Modus R1200 and Titan Series  
**Lux average values:** 250 Lux  
**Uniformity:** 0.80

**Energy Savings:** 20.8kw per hour



### Our solution

As the Hive is a relatively new stadium, the majority of the existing infrastructure to carry our lighting was already in place. So, just retrofit solutions for the club's two pitches, car park, and access road were needed. And new lighting was installed for a footpath. To meet Barnet's objectives, we used our Modus R1200 lighting for the sports pitches and our Titan series for the remaining areas.

### What this has meant for Barnet FC:

- The improvements to the training areas mean the club can maximise their use at all times of the day across the entire season.
- When not being used by the club, the facilities generate revenue for the Barnet by letting them out to the local community.
- And the upgraded system is far more energy-efficient than the previous solution, saving the club costs and making the facilities far more environmentally friendly.

### Products used at Barnet FC

#### The Modus R Series:

- A lightweight, high-power floodlight designed specifically for sports venues.
- Remote mounted single driver allows for ease of access.
- Available in 90CRI for the highest definition broadcasting.
- Delivers up to 144,000 lumen to meet the requirement of world class facilities.
- Integrates with wired or wireless controls (DMX, DALI, 1-10v).

#### The Titan Series:

- Highly asymmetric floodlight providing an excellent solution for low glare applications.
- Propriety optics deliver maximum light levels on designated areas.
- Designed for maximum heat dissipation.
- Manufactured to survive the harshest of environments, whilst delivering high performance and long life.