



SPORTS PROJECT CASE STUDY

# Tolworth Girls School

Based in the Royal Borough of Kingston upon Thames, England, Tolworth is an award-winning academy school – with a mixed sixth form. And when they approached us to help with a major sports project, we knew it would be the beginning of a beautiful friendship. With their school motto being ‘Let your light so shine’ it just had to be.

## The challenge

As part of a multi-million-pound development, the school’s sporting facilities were being totally upgraded. This included the addition of:

- Four new tennis courts.
- Four handball courts.
- A new field and athletics track.
- And a soccer pitch.

So, they needed a completely new lighting system to cover all the sporting areas – to help maximise playing and training times.

## At a glance

**Sector:** Sports  
**Country:** United Kingdom  
**Customer:** Tolworth Girls School  
**Project date:** July/August 2017

**LED floodlights installed:** 16  
**Type:** Modus 900  
**Lux average values:** 200+  
**Uniformity:** 0.6+



## Our solution

To provide a simple and cost-effective way to illuminate the new sporting areas a versatile and extremely powerful lighting solution was needed. Thanks to its high lumen output, which helps minimise the number of floodlights per pole, our Modus Series was perfect for the job.

So, with just eight 12m poles, fitted with only two floodlights each, we were able to give Tolworth Girls School exactly the lighting they needed.

Go girls! And boys!

## Before and after technical comparison:

|                                    | BEFORE - N/A | AFTER WITH LED |
|------------------------------------|--------------|----------------|
| Number of projectors               |              | 16             |
| Nominal power for single appliance |              | 990            |
| Absorbed power (measured data)     |              | 15.84 kW       |
| Total power absorbed               |              | 15.84 kW       |
| Energy consumption per year        |              |                |
| Colour temperature                 |              | 5000K          |
| Colour rendering index             |              | >70            |
| Average light level                |              | 200+ Lux       |
| Uniformity                         |              | >0.6           |
| Energy savings                     |              | N/A            |