

Excel Tennis Club



Located in Royal Victoria Park, close to the centre of the historical city of Bath, Excel Tennis is a family run club.

It has six quality outdoor hard courts in total. During the winter months, four of these are housed in floodlight 'bubbles'. The two remaining courts are open-air all year round.

The challenge:

Powerplus Group, a contractor we've worked with many times before, had been contacted by Excel Tennis to upgrade its current lighting to an LED system. The existing system was 20 years old and the light quality was dimming so much, because of lamps degrading and failing, it was significantly affecting play. Excel were fed up with the amount of time and money being spent to keep things running. They wanted to use this opportunity to make energy savings too.

There was a problem though. Excel needed everything up and running in an exceedingly short timeframe because it was due to erect its court winter bubbles.

So, Powerplus turned to us to help out.

At a glance

Sector: Sport
Customer: Excel Tennis Club/Powerplus Group
Project date: September 2020
LED floodlights installed: 16

Type: Modus 1200
Lux average values: LTA recommended i.e. 500+ PPA and 400+ TPA
Uniformity: 0.7+ PPA and 0.6+ TPA



Our solution

The upgrade was going to be a simple one for one replacement of its 2kW metal halide luminaires for LED ones.

The perfect choice to replace Excel's halide lamps was our Modus R1200 as it had been tried and tested as a 2kW halide floodlight replacement for years. Its light weight and versatility have also made it the 'go-to' product for sports lighting.

With a wattage of just 1,200W, it was certainly going to help cut energy costs. As with all our products, the need for maintenance and the costs involved would be cut considerably also.

From order to installation we only had two weeks to get everything ready though. But that didn't worry us. We simply 'pulled out all the stops' and used our fast-track delivery process to get things sorted – with time to spare.

Technical Data

	BEFORE	AFTER WITH LED
Number of projectors	16	16
Nominal power for single appliance	2kW	1.2kW
Total power absorbed	-	19.2kW
Colour temperature	>4000K	5000K
Colour rendering index	>60	>70
Average light level	-	500+ PPA and 400+ TPA
Uniformity	~0.7	0.7+ PPA and 0.6+ TPA