

Djanogly Strelley Academy - Nottingham

Emergency and LED Lighting Upgrade of School

CUSTOMER INFORMATION

Djanogly Strelley Academy
Helston Drive
Strelley
Nottingham
NG8 6JZ

DESCRIPTION

Emergency and LED Lighting
Upgrade of School

VALUE

£28,000



INTRODUCTION

Breedon Electrical Services competitively tendered for the £28,000 project to upgrade both the LED and emergency lighting at Djanogly Strelley Academy in Nottingham in a bid to reduce its maintenance costs by 70%.

Breedon Electrical provided a large scale upgrade of Djanogly Strelley Academy's lighting systems, focusing mainly on the areas of learning and 'main use', to bring the Academy up to date with current emergency lighting regulations. The project, which was completed in August 2016, reduced the school's running costs and improved the quality of light throughout the school.

"We invited Breedon Electrical to tender for this project and have been extremely impressed by their overall communication and promptness to complete any works. Their engineers arrive on site with full DBS clearance, are extremely presentable and very mindful of the environment that they work in."

— DEREK LISLEY, HEAD OF ESTATES & SERVICES
AT DJANOGLY LEARNING TRUST

PROJECT OUTCOMES

Breedon Electrical delivered the project outcomes to the complete satisfaction of the client. The main challenge was to develop a strategy by which the engineers could carry out the required work within the operating school, with priority given to maintaining the safety of staff and students whilst also ensuring minimal impact on surrounding areas and users.

Full lighting schemes, design and accurate payback calculations were all provided by Breedon Electrical ahead of the project. As a result, Djanogly Strelley Academy now uses high quality LED lighting throughout the school, all of which was provided with a five year manufacturer's warranty. Additional emergency lighting was installed alongside the upgrade of existing emergency lighting to high quality LED.

The use of high quality LED lighting not only provides cost benefits through reduced energy spend, but also has been proven to assist in keeping both staff and students alert which, in turn, reduces lethargy and increases productivity.

The completion of the installations and upgrades has seen Breedon Electrical assist Djanogly Strelley Academy in reducing its energy usage by up to 70%.

The project, which ran from March 2016 and was completed in August 2016, was part of a series of improvements at the school over the last three years to enhance the quality of learning and working environments. Breedon Electrical Services offered the school a cost effective solution for the required work by providing a four year payback scheme.



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PRODUCT TECHNICAL INFORMATION

Infinite LED Recessed Panel - Cool White 40W

The high performance LED flat panel outperforms the Moduni 3x14W T5 600x600 and provides low glare and consistent light distribution. This product is ideal for schools as its performance allows for reduced luminaire quantities and gives out homogeneous light with optimum levels of contrast to avoid any direct or reflected glare.

The product has an average lifetime of 40,000 hours and includes a five year warranty when registered and it is supplied with a remote driver and has various dimmable options.



Airbeam 35W LED Batten

Breedon Electrical also installed this high performance LED batten for multi-purpose applications. It features optional models for continuous through-wiring installations and provides up to a 56% energy saving compared to T8 fluorescent.

It also features a steel body construction with powder coat finish. The product has an average lifetime of 40,000 hours and also features Polycarbonate reeded diffuser and end caps, instant light output with unlimited switching, self-test emergency as standard and a Corridor Function for dimmable microwave sensor models.



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