

# CASE STUDY



Langley Park  
School for  
Boys

**V-TAC**<sup>®</sup>  
INNOVATIVE LED LIGHTING

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## ABOUT THE CLIENT

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Langley Park School for Boys is an all-ability academy with approximately 1,710 pupils on the school roll.

**“We are a school which has a great tradition of turning out confident, articulate, intelligent and adaptable young people and our aim is to continue to raise standards even further in the future.”**

Mr S. Parsons - <http://www.lpsb.org.uk/about-us>

Langley Park School for Boys is committed to providing every student at the school with a high quality education. We take pride in what we do and strive to foster a clear identity and an excellent reputation. We ensure that each child has access to a rich and rounded curriculum and has the opportunity to develop, to excel and to achieve their full potential. We promote a culture of high expectation, of leaders and governors, staff and students, and we constantly strive to improve and to be the best we can be. We promote a supportive and collaborative environment across the school, working together and with parents and the community to achieve our objectives. At Langley Park School for Boys we prepare our students for their life after school.

Langley Park School for Boys has exceptional talent in the Performing Arts and their music, dance and drama departments put on a wide variety of musical and theatrical performances every year, taking full advantage of their modern and fully equipped theatre.





## THE BRIEF

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Langley Park School for Boys required LED replacements for their existing 250W HID fittings in both their performance studios, which are used for teaching, shows, and hired out for private shows and events. Although the primary goal of the upgrade was to improve efficiency, the new lighting was to help create a new modern look suitable for a modern educational establishment and in line with the schools exceptional talent in Performing Arts. The upgrade would help boost the schools profile by improving user satisfaction of its facilities and attract new students.

Performance studios and theatres require flexible lighting controls to support a variety of events and activities, including performances, shows, film or slide projections, demonstrations, speeches and open seminars/conferences. The new luminaires had to be calibrated for precision use, and be easily addressable by the schools staff.

The fittings themselves needed to provide visual comfort for students, visitors and staff, whilst complying to all safety requirements for such venues.

Along with the performance studios, The school required phased LED replacements of Luminaires across the whole site, which included the reception area, classrooms, toilets and circulation areas.





## THE SOLUTION

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**Reflector High Bay** - Shortlisted for the 2018 Lux Live Awards and Utilising the latest in LED technology, the LED Highbay offers superb energy efficiency (up to 180lm/w) combined with lumen outputs that allow effective replacement of 400w metal halide luminaires. The LED Highbay also utilises lens control providing accurate distribution of light ensuring minimal wastage and energy consumption.

The LED Highbay incorporates our new Samsung LED PCB which was developed in conjunction with Samsungs providing a quality LED source with a 5 year and Lumen packages of up to 21,600 lm!

The LED Highbay is also offered with a range of sensor controls to further enhance your energy saving giving both daylight regulation and presence detection.

With this install, we developed our Reflector HighBay even further, adding 3 Hour Maintained emergency packs to maintain the high safety standards Langley Park School for Boys expects.

**600x600 Panel** - The 600x600 Modular family of LED luminaires has become increasingly popular amongst educational establishments across the UK, combining versatility and aesthetic appeal with the premium performance, low-maintenance and efficiency of LED in a single affordable package.

With high-efficiency polycarbonate diffusers and edge-let LED, the 600x600 Modular extracts the most out of its high-quality LED PCB and provides the durability needed to withstand the rigours of a busy educational environment.

Using these Modular 600x600 panels and an in depth lighting design, we were able to cut the number of luminaires in most places, mainly the washroom areas, further reducing the energy consumption while still maintaining an excellent level of quality light.





## WHY LED

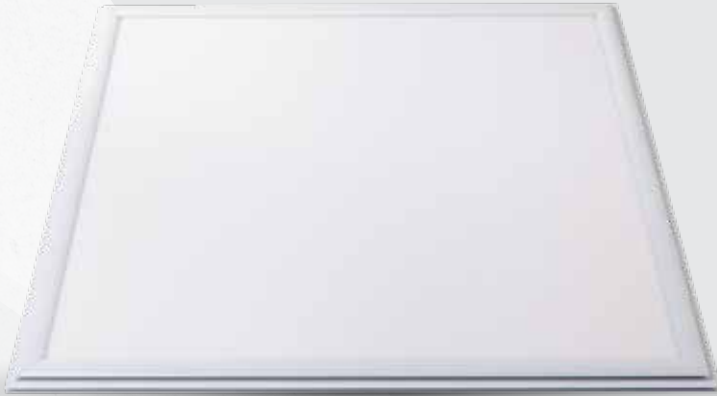
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Any professional in the industry will testify to the importance of lighting in giving their area a clean and modern impression. With the rapid technological advancements in LED technology, V-TAC Projects has developed a comprehensive range of future-proof products to cater for the diverse and changing requirements of lighting.

For Performance Studios, this means that V-TAC's LED range can offer flexibility and a superior light quality whilst cutting electrical bills by at least 60% compared with a typical installation of legacy light sources. The long-life and low maintenance benefits of LED sources also allow new systems to be more cost-effective and hassle-free in the long-term.



## FEATURED PRODUCTS



### LED PANEL



29W

Model Number:	VT-6129
SKU:	6241
Beam Angle:	120°
Lumens:	3600 LM
Size:	60x60cm



### LED HIGHBAY



120W

Model Number:	VT-9-120
SKU:	568
Beam Angle:	120°
Lumens:	21600 LM



IP65  
RATING





## COLLABORATIONS

Client

**Langley Park School for Boys**

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Installation Engineers

**Lee Clarke, Alpha Security/Facilities**

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Supplier

**Stearn Electric London South**

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Lighting Manufacturer

**Luke Gibson, V-TAC Projects**

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Photographer

**Mitchell Brewster, Mitchell Brewster Media**

AN **EVOLUTION** IN LED LIGHTING

FOR PROFESSIONALS BY PROFESSIONALS

  
**INNOVATIVE LED LIGHTING**



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