

DORBIK



**CASE STUDY
KING CHARLES I SCHOOL
KIDDERMINSTER**

ABOUT ORBIK

PRACTISING EXCELLENCE SINCE 1982



Established in 1982, Orbik quickly developed into a highly respected manufacturer of lighting and safety products, all made to the most exacting standards.

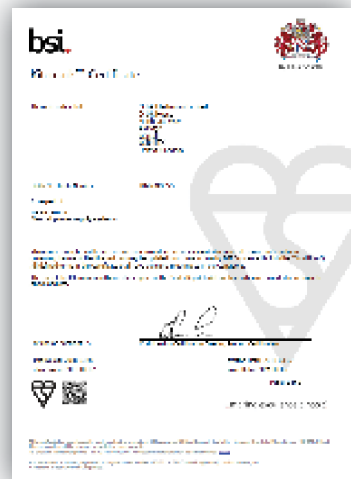
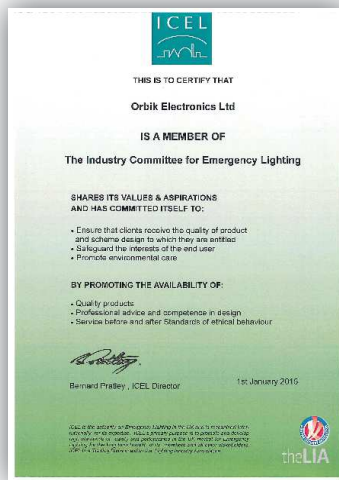
Orbik are a go-to supplier to a large customer base across the UK, Europe and the Middle East and have won many prestigious projects within these markets over the years.

Orbik's purpose-built four acre facility in Aldridge in the West Midlands features state-of-the-art in-house production, including precision metal engineering and powder coating facilities.

Orbik currently hold BSI Kitemark licences for 86 of their products and sit on the technical committees of BSI, ICEL and the LIA, giving an unfailing guarantee of the highest standards.

Orbik manufacture within quality system ISO 9001:2015 and together with a 100% test policy, our products provide our valued customers with the peace-of-mind that the product they are purchasing is not only fit for purpose but also made with the utmost care and attention to detail.

We are rightfully proud of the reputation that we have earned Worldwide as a supplier of high quality products and services and we have enthusiastically supported the improvement of quality standards within the lighting industry during our 39 year history.



OVERVIEW

KING CHARLES I SCHOOL & 6TH FORM CENTRE, KIDDERMINSTER

INTRODUCTION

King Charles I school is a co-educational school and sixth form centre located in the town of Kidderminster with over 1,000 students aged between 11 and 18. The school was founded in the 16th century and was granted its royal charter in 1636 by King Charles I, and is the only secondary school in England to bear his name.

CRITERIA

Orbik were approached in early 2019 to upgrade the emergency lighting throughout the school. Our main aim was to provide a safe environment for staff and pupils, as well as reducing maintenance and energy consumption.



THE PROJECT

All areas of the school now feature our fully recessed and surface mounted **Dyode** emergency luminaires in standard and high output variations. The Dyode's advanced refractor lens is available in open area and corridor versions, ensuring that optimum light output and distribution is achieved in all emergency applications.

The **Odet** is a robust, low maintenance high output emergency twin-spot and has been installed in areas with higher ceilings. The swivel and tilt heads facilitate precise light control to maximise light output and reduce the amount of luminaires required. Equipped with maintenance-free, 5 year life sealed lead acid batteries, the Odet has proved to be ideal for areas where access is restricted.

Neath linear LED luminaires have been installed in the music room to provide excellent light output, illuminance uniformity and glare control, transforming the area into a bright and vibrant space in which to learn.

The Oldfield Hall corridor mains and emergency lighting is now provided by surface mounted **Leah** luminaires fitted with a wide trim. The trim not only gives the luminaire an elegant appearance, but it also creates an impressive diffused halo effect resulting in a visually interesting space.

Escape route lighting and signage throughout the project is now provided by our **Eden** bulkhead and **Chella**, **Dalby** and **Paloma** exit signs.

CONCLUSION

The key benefit of this project is the reduction in maintenance. All emergency luminaires are equipped with self-testing modules, which removes the need to perform manual testing. In addition to this, all LED luminaires offer a life of at least 54,000 hours, thus reducing maintenance costs and energy consumption in the process.

For more Orbik case studies, please visit www.orbik.co.uk.



INSTALLATION

HILMGROVE SITE, KING CHARLES I SCHOOL, COMBERTON ROAD, KIDDERMINSTER



LUMINAIRES

PRODUCTS USED ON THIS PROJECT





HEAD OFFICE & EXPORT SALES

**Orbik Electronics Limited
Orbik House, Northgate Way
Aldridge, Walsall
West Midlands, WS9 8TX
United Kingdom**

**TEL: +44 (0) 1922 743154 FAX: +44 (0) 1922 743173
EMAIL: sales@orbik.co.uk
EXPORT EMAIL: export@orbik.co.uk**

UK ELECTRICAL WHOLESALERS

**Orbik Electronics Limited
Orbik House, Northgate Way
Aldridge, Walsall
West Midlands, WS9 8TX
United Kingdom**

**TEL: 01922 745024 FAX: 01922 745124
EMAIL: uksales@orbik.co.uk**

www.orbik.co.uk

