

ECOLUX |
ST BOTOLPH BUILDING, ALDGATE, LONDON

ECOLUX DELIVERS 75% ENERGY REDUCTION IN STAIRWELL LED UPGRADE FOR ST BOTOLPH BUILDING

OVERVIEW

Ecolux was appointed by CBRE to deliver a sustainable retrofit lighting solution for the stair cores at the St Botolph Building in Aldgate. The client's primary goal was to upgrade the existing stairwell luminaires to energy-efficient LED lighting solutions, while retaining the body of the existing fixtures to reduce environmental impact and maintain the current aesthetic.

THE CHALLENGE

- **Sustainability Goals:** Retain the existing luminaire body to reduce material waste and uphold the building's sustainability standards.
- **Time Sensitivity:** Deliver a working sample within a short turnaround to meet project timelines.
- **Control System Integration:** Some luminaires were operating outside of the SIMMTRONIC control system via on/off sensors and required reprogramming.
- **Cost Efficiency:** The client required a cost-effective upgrade solution for 8 recessed wall luminaires without compromising on performance.

AT A GLANCE

Client: CBRE

Location: St Botolph Building, Aldgate, London

Project Scope:

Retrofit solution to upgrade the existing stairwell lighting to LED.



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THE SOLUTION

Retrofit Gear Tray:

We collected a gear tray from site and delivered a working LED sample within 3 days, ensuring full compatibility and maintaining the existing luminaire design.

Lighting Control Integration:

Non-SIMMTRONIC luminaires were reprogrammed on-site during install using Tridonic software, allowing seamless integration.

Wall Luminaire Upgrade:

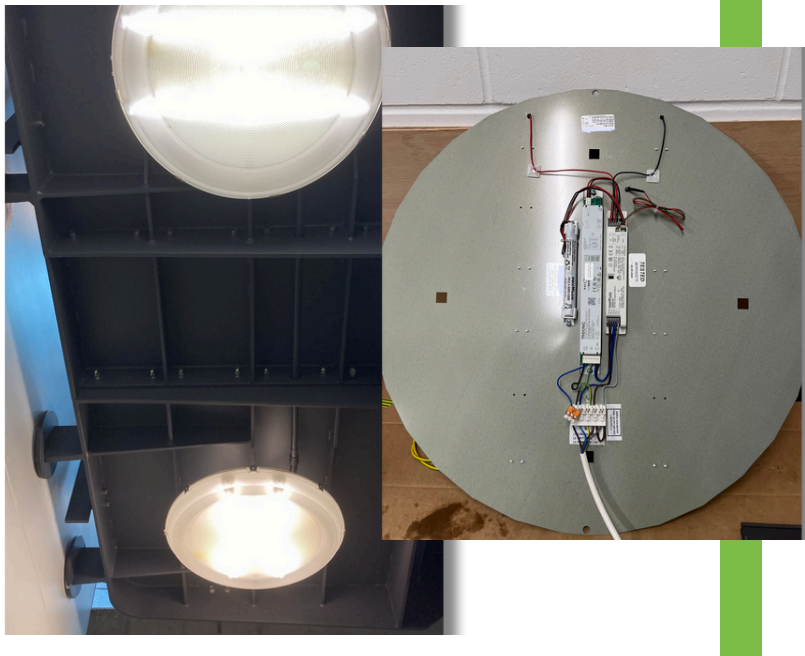
We upgraded 8 recessed wall lights on the top floors. Delivering the solution 8 weeks early and at half the cost of the manufacturer's LED upgrade solution.

CONCLUSION

This project is a testament to Ecolux's ability to deliver fast, cost-effective, and sustainable lighting solutions tailored to each client's operational and environmental needs. By combining technical expertise with flexible project delivery, we helped CBRE significantly reduce energy costs and waste while improving the functionality and performance of their lighting infrastructure.

Get in touch to see how Ecolux can transform your facility's lighting.

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RESULTS

- 250+ luminaires upgraded across stair cores
- Energy consumption reduced from 110W to 28W per luminaire
- 75% reduction in energy costs
- Supplied with a 5-year warranty, including 3 years of on-site support
- Maintained visual consistency with existing fittings
- Enabled client to meet sustainability goals without full fixture replacement



CLIENT FEEDBACK

Following the success of this retrofit project, CBRE has since approached Ecolux to provide additional lighting solutions throughout other areas of the St Botolph Building.