

ECOLUX |

THE LONDON METAL EXCHANGE MOORGATE, LONDON

LIGHTING THE WAY TO SUSTAINABILITY: LED RETROFIT DELIVERS £161K SAVINGS & 132 TONNES CO₂ CUT AT THE LONDON METAL EXCHANGE

OVERVIEW

Ecolux was instructed by The London Metal Exchange to carry out a comprehensive LED lighting upgrade across five floors of their Moorgate headquarters, including several back-of-house areas.

To ensure zero disruption to day-to-day trading and business operations, all works were conducted outside of standard working hours. The retrofit was executed with precision, working to strict daily deadlines and client-approved schedules.

OUR SOLUTION

Out-of-Hours Installation

Our team operated exclusively outside of business hours, requiring a tightly managed programme to keep disruption at zero and maintain LME's operational continuity.

On Site Retrofit Delivery

All existing luminaires were upgraded on-site to a new LED solution with no delays or dependency on external fittings, keeping waste low and turnaround fast.

Efficiency First Focus

The client's goal was to reduce long term energy and maintenance costs while improving lighting output and consistency. Ecolux delivered on all fronts, with measurable results from day one.

AT A GLANCE

Client: LME

Location: The London Metal Exchange, Moorgate, London

Project Scope:

LED Retrofit Upgrade of Multi-Floor Office Lighting System at LME



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CONCLUSION

This project is a testament to Ecolux's ability to deliver high efficiency lighting solutions in live, business-critical environments. Our out-of-hours approach, combined with an organised retrofit delivery, ensured LME experienced no operational downtime while achieving substantial cost and energy savings.

RESULTS

- **Luminaires:** Reduced from 54.3W to 24.9W per unit
- **Lumen Output:** Increased from 30 lm/W to 74 lm/W
- **Estimated Cost Savings:** £161,672 over 5 years
- **Estimated CO₂ Emission Reduction:** 131.93 tonnes
- **Payback Period:** Approx. 36 months



WHY ECOLUX?

At Ecolux, we deliver more than just lighting, we deliver peace of mind. Our upgrades are smart, sustainable, and seamlessly executed. Every project is approached with care, precision, and a commitment to long term performance and professionalism.

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

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Category	Existing Costs	Proposed Costs	Difference
CO ₂ Emissions	200.9	68.97	↓ 131.93 tonnes
Electricity Cost	£205,395.76	£70,512.18	↓ £134,883.58
Replacement Lamp Costs	£7,289.28	£0.00	↓ £7,289.28
Maintenance Costs	£19,500	£0.00	↓ £19,500.00
Total Cost	£232,185.04	£70,512.18	↓ £161,672.86 over 5 yrs