

Case Study: Stokers Furniture Store



Details

Location: Southport, UK

Sector: Commercial

25 degree beam angle used to facilitate directional lighting on products

2700k colour temperature



Project Brief

Stokers Furniture store in Southport had a large quantity of inefficient halogen lights used in various parts of the store. The main show rooms are areas where many of the lights are operating for up to 24h per day and hence offers the largest savings and fastest payback possible. After initial meetings, it was decided to carry out a full store analysis and propose LED lighting to replace inefficient lighting.

This analysis looked at the savings possible by changing these lights to efficient LED lamps as well as quantifying associated savings, such as replacement benefits, savings on air conditioning and Government levys. Maintenance costs will also be saved, as the high lifetime of these LEDs lowers the amount of time needed to change 'blown' bulbs.

Benefits

- Instant 80% energy savings
- Payback less than one year
- Significant CO2 emission savings
- Lifetime lamp changes saved 240,000
- Lux levels and appearance of room maintained
- Significant CO2 emission savings
- No initial investment in halogen lamps, making the savings even larger

Project executed by: Truelux Solutions UK