



### Overview

Lighting at the new headquarters building for the City of Edinburgh council in New Street is being controlled by a Spectrum lighting control system from ALC Lighting Controls, ensuring that a comfortable lit environment is maintained with minimum energy consumption. The lighting is monitored and controlled through a central PC to facilitate maintenance and re-configuration of the lighting should the need arise.

The sophisticated lighting management system comprises both pluggable and hard wired lighting control modules (LCMs), as well as area controllers – all linked to a central PC. The lighting is controlled by PIR occupancy sensors to ensure the lighting is only used when zones are occupied, backed by corridor linking to ensure that exit routes remain illuminated. In addition, perimeter lighting is linked to photocells so that the lighting can be dimmed in proportion to natural daylight levels while maintaining the design illuminance.

The use of pluggable LCMs, installed as part of a pre-fabricated wiring system, helped to reduce installation time and costs. These, along with the hard-wired LCMs, are linked to area control units via a field bus, connected back to ALC's Spectrum graphical software. Through the software the building managers can easily re-configure the lighting to reflect any changes in building usage, thus helping to maintain post-occupancy efficiency.

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