



Smart lighting controls in Office Buildings

Office buildings are increasingly taking advantage of the savings to be made from the adoption of low-energy, high-performance LED lighting, but often overlook the additional savings (often 30-40% extra) that controlling your lighting can achieve. By installing a lighting control system you can achieve additional money savings and reduce carbon footprints whilst creating environments that are responsive to the needs of your staff and customers.

LiGO+ Intelligent Lighting Control

LiGO+ has been utilised in many office spaces from single floors to full buildings. There are many reasons for fitting lighting control into offices, these range from the energy saving benefits, daylight balancing, scene setting and to properly control areas during high and low peak times. The LiGO+ system's ease of set up coupled with DALI's ease of wiring means that any change to an office space doesn't mean high costs associated with reprogramming/rewiring the areas.

The LiGO+ is suitable for all types of building and can work as a stand alone solution or alongside other building systems to ensure maximum energy savings and minimal maintenance requirements.

The simple to use LiGO+ web pages allow you to set up the system, create reports and adjust settings. It gives you access to a range of features including:

- Time Control
- Presence Detection
- Emergency Lighting and Reporting
- Daylight Balancing
- Scene Setting
- Dimming
- Circadian Rhythm Lighting
- LED Control
- Condition Monitoring

Out of the box the LiGO+ comes with a range of embedded tools and a suite of preprogrammed smart lighting algorithms. This enables users to quickly and easily group luminaires, set up scenes and control LED's to derive best performance.

LiGO+ key benefits for the Office sector

- Nearest window edge dimming - This feature allows for the nearest light fitting to the window (a natural light source) to work to a percentage of the other light fittings in that area. This will allow the potential for the fitting nearest the window to turn off if the lux levels require less artificial lighting.
- Corridor Hold - When a room or local office is occupied, the adjoining corridor or space is kept illuminated at a reduce setting so that the occupant of the office does not enter a dark space when leaving. Upon entering the corridor, it will illuminate to a programmed level.
- Remote Control - Coupled with a PIR, a remote controller can be utilised for setting scenes within a space. This is particularly useful within meeting rooms and areas with no capability for wall switches.
- Hotspot / Hot desk - The LiGO+ has the capability of showing metric hits within the lighting graphs, this has proven useful within offices using a 'hot desk' policy. Customers utilise this to see if areas of the floor are frequently used/unused and can further analyse the reasons why.
- Room Booking - This has proven to become a new trend within the rented office/meeting room sector. The ability for a front of house (receptionist) to turn a room on for a designated amount of time for a rented user. The room itself will have no local lighting control so that a room cannot be used without being pre booked. The LiGO+ user interface and ease of navigation allow for this to be easily set.

Some of our Office projects include

- Rocket Space/ RBS Regents House – originally installed for RBS the system has proven its rework ability as 3 floors have been converted to ROCKET SPACE rental offices. The system has been easily segregated into two control systems with their own head-end without any additional parts and minimal engineering costs.
- Milton Park Estate – 102, 103, Ipsen, Schlumberger - Milton Park industrial estate have specified LiGO+ across all their prefab buildings, due to the ease of reconfiguring the LiGO+ to suit new floor plates and layouts the LiGO+ has been used on multiple installations where the original build is to a standard specification and fit out. Open Technology have returned to these buildings once occupied and adjusted zones and settings to accommodate the new layouts.
- TATA Steel – new head office in the Midlands, the project consisted of 7 LiGO+ control panels across 4 floors control their lighting to the best possible energy saving settings.
- Angel Building – The project consists of over 40 LiGO controllers controlling rented office space utilising circadian rhythm in all office areas.

Commissioning and Support

Synapsys pride ourselves on providing a flexible, cost effective and easy to use lighting control solution, but that's only part of our offering. Our experienced team of Sales and Commissioning Engineers provide full support from concept, installation and set-up, right through to handover to the end user.

Our technical knowhow and experience across many building types and sectors means we are well placed to offer you a lighting control solution fit for your building and its requirements.

For more information about the LiGO+ intelligent lighting control system please visit www.synapsys-solutions.com.

Alternatively to speak with one of our team in more detail or to arrange a demonstration of our products and solutions, please contact us on **01444 246 128** and we will be happy to discuss your requirements.