Lighting connection & control solutions for Hospitals and Healthcare

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Lighting requirements in hospitals are more complex than most buildings due to the diverse range of user requirements and the fact that parts of the building are in use 24/7. Lighting typically accounts for up to 30% of the energy load of a hospital, so significant cost savings can be made by switching to energy efficient lighting controls.

Features & Benefits

- Simple plug-in system reduces on-site installation time.
- Energy-efficient.
- Easy maintenance.
- Easy to reconfigure or upgrade system.
- Essential/Non-essential supply solution.
- No specialist commissioning required.

Why use flex7

Because the flex7 System simply plugs together, installation time, not to mention future maintenance, is dramatically reduced.

We offer numerous energy efficient and functional lighting solutions for your hospital or healthcare building. Our 25+ years of experience in the sector means we can provide you with a lighting scheme perfectly suited to your needs.

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Speed of installation and ease of maintenance is central to all flex7 products

System Overview

Made up of multi-outlet lighting distribution boxes, single socket outlets, plugs, prewired leads and plug-in control devices, flex7's portfolio of products is the UK's most comprehensive connection & control system for non-domestic lighting applications. Speed of installation and ease of maintenance is central to all flex7 products by virtue of the reduced number of on-site terminations required when compared to similar systems.

Sector specific solutions

Whether you want a Lighting Distribution Box with a separate essential and non-essential Supply, Tamper-Resistant Sensor Heads, daylight linking, corridor hold function, or something more bespoke get in touch to discuss your project.

Easy Maintenance

Once the system is in place maintenance is easy. Luminaires and controls can be isolated by simply unplugging them individually, rather than turning off power to the whole circuit. If a product needs to be changed or upgraded, simply unplug and replace. We even offer integrated emergency test.

Easy To Reconfigure

Once the system is in place if there's a change in requirements it's not a problem. Its plug-together nature means that you can easily add more luminaires, upgrade to dimming control or reconfigure an entire area with ease.

flex7 Healthcare Projects

HCA Healthcare, 40 Bank Street, Canary wharf

BUPA Cromwell Hospital, London

Chase Farm Hospital

Froud Centre, Newham

Midland Metropolitan University Hospital

Elective Care Centre, Inverness

All areas

Essential / Non-essential Supply Lighting Distribution Box

Ideal for use in hospitals and healthcare environments, our Dual Supply Lighting Distribution Box can be used to control 2 individual circuits of luminaires (2 protective devices at the distribution boards).

Wards

Daylight Linking Sensors - maintain optimum lighting level

In hospital wards, which are occupied 24/7, and therefore cannot benefit from occupancy or absence control, daylight linking controls offer a great opportunity for energy-saving. Daylight linking sensors save energy by dimming lights down if there is adequate natural light to compensate. The controls are set to maintain a constant light level, so that luminaires automatically adjust their output in relation to the daylight coming through the windows.

Corridors and circulation areas

Occupancy Sensing - auto on / auto off

Save energy by turning lights on automatically when someone enters a room/area, and turning off again once the room/area has been empty for a set period of time. Occupancy sensors are ideal for use in areas such as WCs, stairwells and similar areas that are occupied infrequently.

Corridor Hold

Corridor Hold Interface from flex7 will hold lights on in a corridor or circulation area if any adjacent rooms are occupied. This is often a requirement for health and safety, or security reasons.

Occupancy With Set-Back Light Level

Ideal for use in corridors, regulating (dimmable) luminaires turn on when someone enters the area, and once vacated the luminaires dim to a lower light level for a further period of time before turning off completely.

Timeclock

Used to hold lights controlled by occupancy sensors on for preset time periods during the day; typically corridors and circulation areas. For example, during daytime hours luminaires in the appropriate areas will be held on, and revert back to occupancy control at all other times.

WCs, cleaning cupboards etc.

Occupancy Sensing - auto on / auto off

Save energy by turning lights on automatically when someone enters a room/area, and turning off again once the room/area has been empty for a set period of time. Occupancy sensors are also ideal for use in stairwells, corridors, circulation areas and similar that are occupied infrequently.

Staffrooms and offices

Absence Sensing - manual on / auto off

Ideal for use in staffrooms, offices and other spaces used primarily by staff. Lights need to be turned on manually at a switch on the wall, but will turn off again automatically once the room is vacant. This option offers greater potential for energy saving than occupancy control alone, as lights will only be turned on when needed.

Daylight Linking Sensors - maintain optimum lighting level

Usually incorporating absence or occupancy control, daylight linking sensors save energy by switching lights off / dimming lights down if there is adequate natural light. The controls are set to maintain a constant light level, so that luminaires automatically adjust their output in relation to the daylight coming through the windows.

Key Products

Lighting Distribution Boxes

A tough anodised aluminium body, V0 rated mouldings and unique patented internal contact system combine to make flex7 Lighting Distribution Boxes the most robust products of their kind, both mechanically and electrically. With 7 contacts as standard they are equally suited to non-dimming & dimming applications. The modular design makes modification easy should room/area requirements change in the future. We have a Distribution Box specifically designed for use where a separate essential and non-essential supply is required. Other options include single group control, 2 group control, and 2 circuit (same phase) control.

Lighting Control Devices

Our controls plug directly into a flex7 socket outlet, meaning on-site termination of lighting controls can be completely eliminated. All devices operate at Protected Extra Low Voltage (PELV) so there will only be 5V or 12V present wherever flex7 lighting controls are installed, rather than the usual 230V, even at the light switch. The type of luminaire control possible with our products is comprehensive and includes: Occupancy and absence control (with or without daylight linking), manual switching and/or regulating (dimming), scene recall, emergency luminaire test, corridor hold, and time control.

Plug & Sockets

Manufactured using V0 rated material, all flex7 plugs & sockets utilise our standard interface. They're available in 4 colours for identification purposes with a choice of 3-7 (incl.) contacts.

Prewired Products

Using flex7 prewired products ensures any installation will be completed in the shortest time possible. All of our prewired, fully tested leads are built using Low Smoke Halogen Free (LSHF) cable. LSHF (not to be confused with LSF) is now recommended for use in all public buildings due to the safety implications of using PVC or LSF cable, in the event of a fire. CPR compliance has been mandatory in the UK since July 2017. flex7 prewired leads' CPR rating is amongst the most stringent in our sector making it suitable for any healthcare environment.

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