Helvar

simple to install ● easy to operate ● very flexible ● creates the perfect mood

Commercial lighting control Solution

Lighting the way forward

Making a Difference...

There is a growing awareness amongst designers that lighting control can make a significant contribution to energy saving and thus reducing costs across a wide range of differing commercial environments. It can also provide added impact to a building's overall appearance and openness. There are also hidden benefits such as full automatic control of the lighting system and a potential improvement in lamp life.

Offices

Lighting control plays a key part in today's modern office design. Open plan offices house many different departments all with different needs. Computer users need good light at the desk but require low glare on their monitors. Lighting control within a whole building can be tailored to suit every users requirements with the possibility of every user being able to control the luminaire above them. This gives the end user the ability to control their own environment and thus reduce the possibility of stress and fatigue.

Daylight patterns can be programmed to simulate the natural lighting effects over an 8 hour period. This could help productivity in a call centre where multiple shift patterns are worked. Interior lighting can be monitored using constant light control giving a uniform level of lighting throughout the day.

Meeting Rooms

Many meeting rooms are not in use 24 hours per day and can therefore benefit from automatic lighting control. Presence detection, when using a multisensor, can ensure that energy consumption is minimised by automatically turning the lights on and off as necessary. A remote control or control panel can offer further flexibility should the lighting level need to be manually modified at any time. Additionally simple interfacing to an audio-visual system further enhances the use of the meeting room.

Cinema Lighting

The house lights in most cinemas are automatically activated when the projector begins to show the current movie. This requires no intervention from the projectionist and guarantees the lights are dimmed to the required safety level consistently. Should an emergency arise, a simple push button panel or a connection to the alarm system can be used to quickly switch the lights to maximum.

Education

Controlling costs is important in any public sector environment but particularly in the education sector. A lighting control system can help save energy when used in combination with presence detection in corridors, classrooms and circulation areas. Importantly it can also enhance the learning environment by creating the correct light levels for study sessions that use overhead projection, whiteboards, projectors, computers or just simple manual writing and reading tasks.

Retail

A simple lighting control system in a retail environment can transform a standard lighting scheme into a tool to create a high level of impact, highlight a particular product line or effectively manage all the display lighting. With many retail operations open 24- hours-a-day the lighting control system could be used to control the lighting zonally so that unused areas are dimmed at less busy times and help reduce energy / running costs.

Warehouse

Warehouses rarely need full illumination on a continual basis. A presence detection system can often provide the ideal solution, automatically changing from a low level to a working level when someone enters the area. A multisensor provides all the necessary sensors to facilitate this automatic system. This can result not only in reduced energy consumption but can also considerably improve lamp life.

The Benefits...

Installation and cost savings

Whether using ballasts or dimmers, a single inexpensive mains cable can be used. To further reduce installation costs it is not necessary to daisy chain the connections through every fitting, as the cabling can be spur connected to any point.

Energy Efficient

Using ceiling-mounted PIR sensors lights will switch off when the room is unoccupied after a programmable time delay. This ensures maximum energy efficiency and offers extended lamp life. Additionally a constant light facility can be used, where appropriate, to provide increased energy efficiency.

System Monitoring

Monitoring the dimming system remotely enables the maintenance engineers to have much greater control of the complete system including lamp functionality and lamp life. System configuration changes can be easily made, should the need arise, by re-programming without the need for rewiring. This provides the user with a highly flexible control system.

Who are Helvar?

Helvar develops, manufactures, and markets ballasts and lighting electronics for the luminaire industry and other customers specialising in lighting.

Helvar has a long tradition as a forerunner in its field, and always utilises the latest technology to ensure that its products are of high quality, have first-class technical properties and conform to local regulations.

Helvar focuses on controllable and non-controllable electronic ballasts, lighting control products and magnetic ballasts, thus offering its customers a tailored products and solution portfolio.

Helvar has its headquarters and ballast competence centre in Karkkila, Finland. The lighting control system competence centre is located in London, England. Helvar has it's own sales offices and representatives all over the world.

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