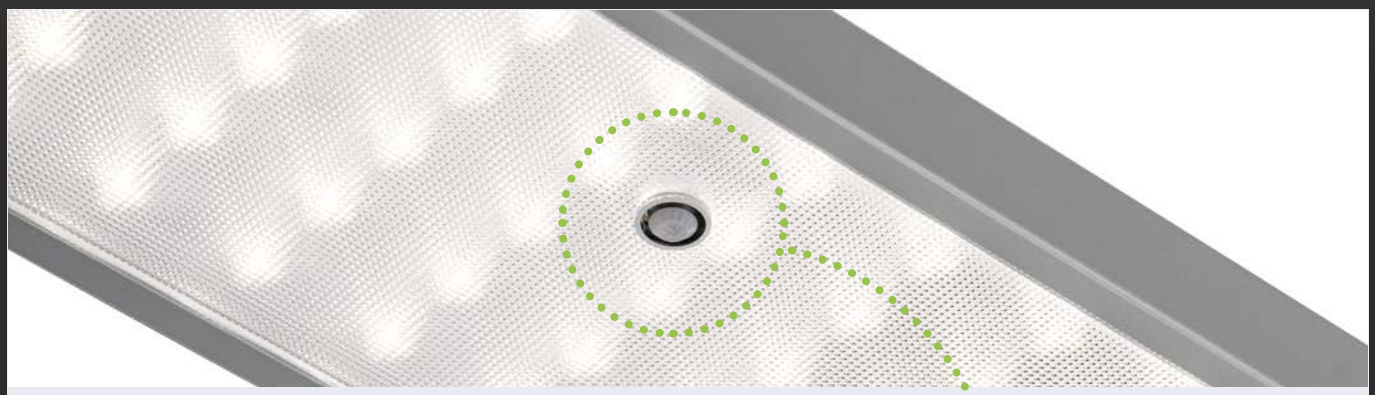
Smart

Lighting Control System

Your lighting is now controlled by the latest digital technology to maximise energy efficiency and comfort. In many cases your new lighting can save in excess of **70% energy!**

This guide will explain how the system works and where applicable, how you interact with it.



How does Smart lighting control save energy?

Each light has a small intelligent sensor (Smart Sensor) built in that looks for movement and measures light level within the space to ensure that the lights are only on when people are present. As daylight increases each light can dim or switch off to make sure that it is providing the right amount of light for the task in hand whilst saving energy throughout the day.

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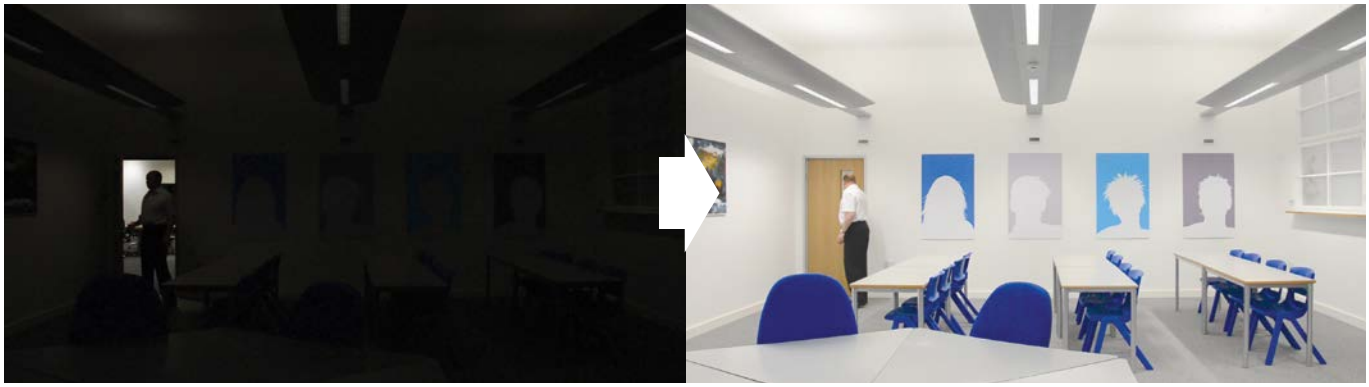
Thorlux Lighting

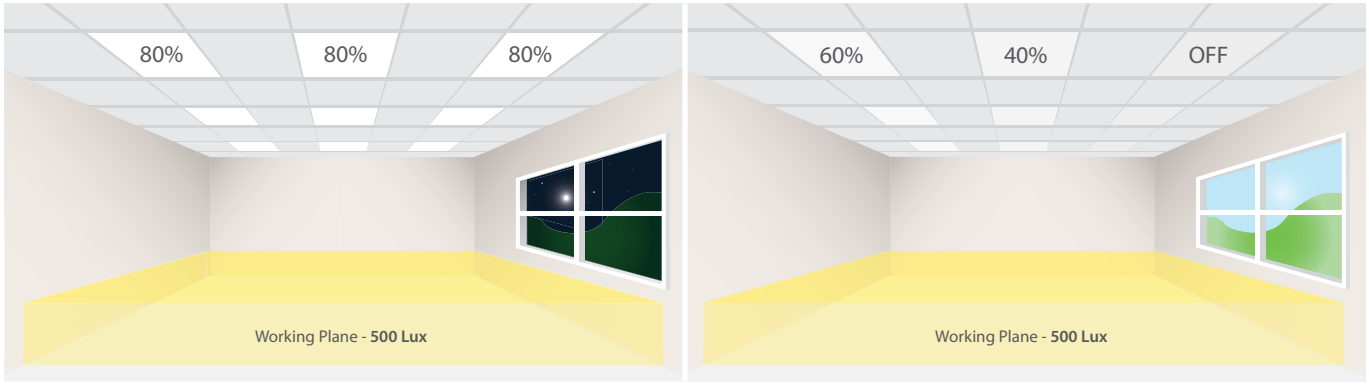
Movement detection



When you enter the room the first light will detect you and tell the other lights to turn on. The lights will remain on while the space is occupied, every light has a sensor that will see the slightest hand movement, so don't worry, the lights will never turn off when you are in the room. When you leave the room the lights will wait ten minutes and then turn off (10 minutes is the standard setting but can be changed).

In certain applications the lighting will be programmed so that it does not turn on automatically when you enter the room, if this is the case you will have a switch on the wall that will be used to turn the lights on. When you leave the room the lights will still turn off automatically.

Daylight dimming



A completely "free" source of light is the sun, the Smart system knows this and takes full advantage. Each light is set to maintain an exact lighting level on the working surface (desk etc.), if daylight enters the space then the lights will dim automatically to compensate for this, saving energy.
In areas with large amounts of daylight the lights may switch off completely.

Note: The lights will be at different dim levels as daylight penetration will differ across the room, this is normal and the light level on the working surface will be uniform.

User control

There are different methods available to take manual control of the Smart system:

1. A Push Switch

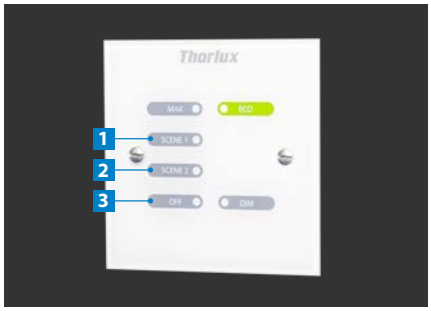
To activate manual dimming	Press and hold the wall switch until luminaires synchronise at full output. This makes all fittings work as a group.
To dim	Press and hold the switch until the desired level is achieved.
To brighten	Press and hold the switch until the desired level is achieved.

The system will alternate between these two settings each time the switch is pressed.

To switch off	Dim the lights to minimum and keep holding. The lights will switch off after a couple of seconds.
To return to automatic mode	Press and release the switch quickly.

If the area is vacated for ten minutes, lights will revert to automatic operation.

2. A Touch Plate

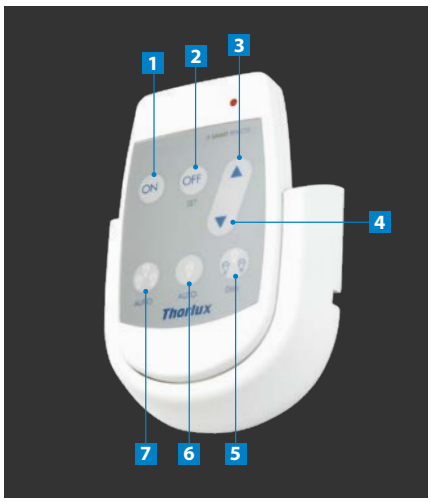


When the area is first entered the plate will be in 'Eco' mode. This is the default setting for the room and provides maximum energy savings.

- The 'Max' button will raise all luminaires to 100% output regardless of natural daylight.
- Buttons 1 and 2 are programmable, each light can be set to dim or switch off when these buttons are pressed.
- Button 3 will switch all of the lights off.
- The 'DIM' buttons works the same way as the Push switch above.
- To return to automatic press and release 'Eco' button.

When the room is vacated the system will revert to 'Eco' mode, this is to maximise energy efficiency.

3. A Smart Remote



The Thorlux Smart Remote offers the additional flexibility of individual or group luminaire control. The unit is directional, simply point at the luminaire that you want to control and press one of the following:

1. 'ON' brings the individual luminaire on at full output (photocell disabled)
2. 'OFF' turns the individual luminaire off (will stay off until area is vacated)
3. Raises the illumination level of an individual luminaire (photocell disabled)
4. Lowers the illumination level of an individual luminaire (photocell disabled)
5. Press and hold to activate group manual dimming. The operation is the same as the wall switch as described above.
6. 'Auto' returns an individual luminaire back to automatic mode (photocell enabled)
7. 'Auto' returns the group of luminaires back to automatic mode (photocell enabled)

Note: To disable the group dimming feature press and hold the group dim button (5) for 30 seconds. The remote will now only control individual luminaires. If the group dim button is pressed the LED will flash slowly to indicate that the feature has been disabled. To re-enable the group dim feature press and hold the group dim button (5) for 30 seconds.

Carbon Offsetting

All of your lights are manufactured in the UK by Thorlux Lighting, part of the F.W.Thorpe Plc group. Thorlux operates a carbon offsetting scheme which involves planting trees on 215 acres of Monmouthshire, Wales. This accredited scheme carbon offsets all manufacturing and distribution processes undertaken by the group companies. So far (2016) Thorlux has planted over 70,000 trees.

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www.thorlux.com/smart

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