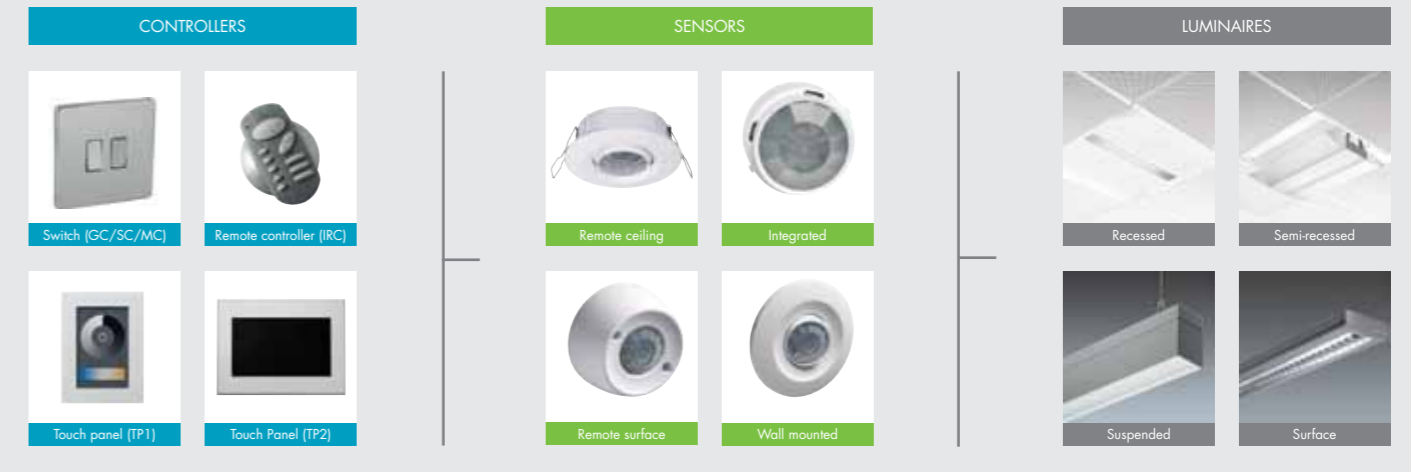




Sensa range








Lighting management system which is based on the twin principles of comfort and energy saving

- Flexible configuration, even for retrofits (lighting groups are not wire-bound)
- Compatibility and future-proof design
- Extensive functionality
- Simple and clear handling
- Wide range of interfaces to other systems

Lighting Controls - Energy efficiency made easy

We need a variety of strategies and technologies to help us control lighting to produce an optimal lit space that uses minimal energy. These are:

-  **Presence/Absence detection**
Artificial lighting responds to the occupancy of a space. **Average saving 24%**
-  **Daylight linking**
Artificial lighting responds to the natural light conditions. **Average saving 28%**
-  **Constant illuminance**
A function designed to produce correct lighting levels for the duration of the maintenance period
-  **Task/Scene setting**
Allows the user to set scenes and adapt the lighting to different tasks. **Average saving 36%**
-  **Timed sequence/off**
Automatic cut-off can be installed to turn all electricity off during unoccupied hours

The average savings taken from paper* comparing 240 studies of energy savings using different technologies, give an indication of typical average savings from different lighting controls strategies.
*Lighting Controls in Commercial Buildings
A. Williams, B. Atkinson, K. Garbesi, E. Page, F. Rubinstein
LEUKOS Vol 8 No 3 January 2012

Overview To ensure the correct components are specified please contact your local Thorn sales representative.

Functionality	Description	Controllers					Sensors
		GC/SC	MC	SQM	TP1	TP2	
 Task/Scene setting - Scene control	Groups and scenes can be easily switched and dimmed with the group and scene control modules SENA GC/SC/MC.	✓	✓				
 Task/Scene setting - Multi-functional control	The Sensa MC (multi-controller) and the Touch panel (TP2) open a wide range of functions offering maximum flexibility such as scene setting, manual dimming of programmable groups of lighting and sequencing for automatic colour/scene changes. Each input can have a different function to meet the project requirements.		✓			✓	
 Task/Scene setting - Automatic scene control (sequence)	Using the Sensa SQM predefined lighting scenes can be easily combined into a self-executing sequence. Up to 16 lighting scenes can be recalled one after another in a user-defined time meaning that automatic control of all lighting load types can be realised.			✓			
  Presence/Absence Daylight linking control	Energy-efficient solutions can be created in combination with remote or integral sensor heads, offering daylight dependant and/or presence/absence control. A remote control extends the functionality of the SENA S2 and enables the system to be manually operated.	✓*	✓*				✓
 Timed sequence/off - Convenient operation and programming	Dynamic lighting can be easily provided thanks to the Sensa Touch Panel TP2. 16 luminaire groups each with the ability to select 16 user-defined lighting scenes can be controlled. Daily, weekly or monthly calendar events can be stored within the TP2 along with programmable timed sequences for dynamic and colour changing requirements.	✓*	✓*		✓*	✓	✓*
Comfortable configuration with a PC	Complex installations can be easily addressed and programmed on a PC (connection via DALI USB). The functionality of individual devices can be easily optimised.		✓		✓		✓

✓* - optional