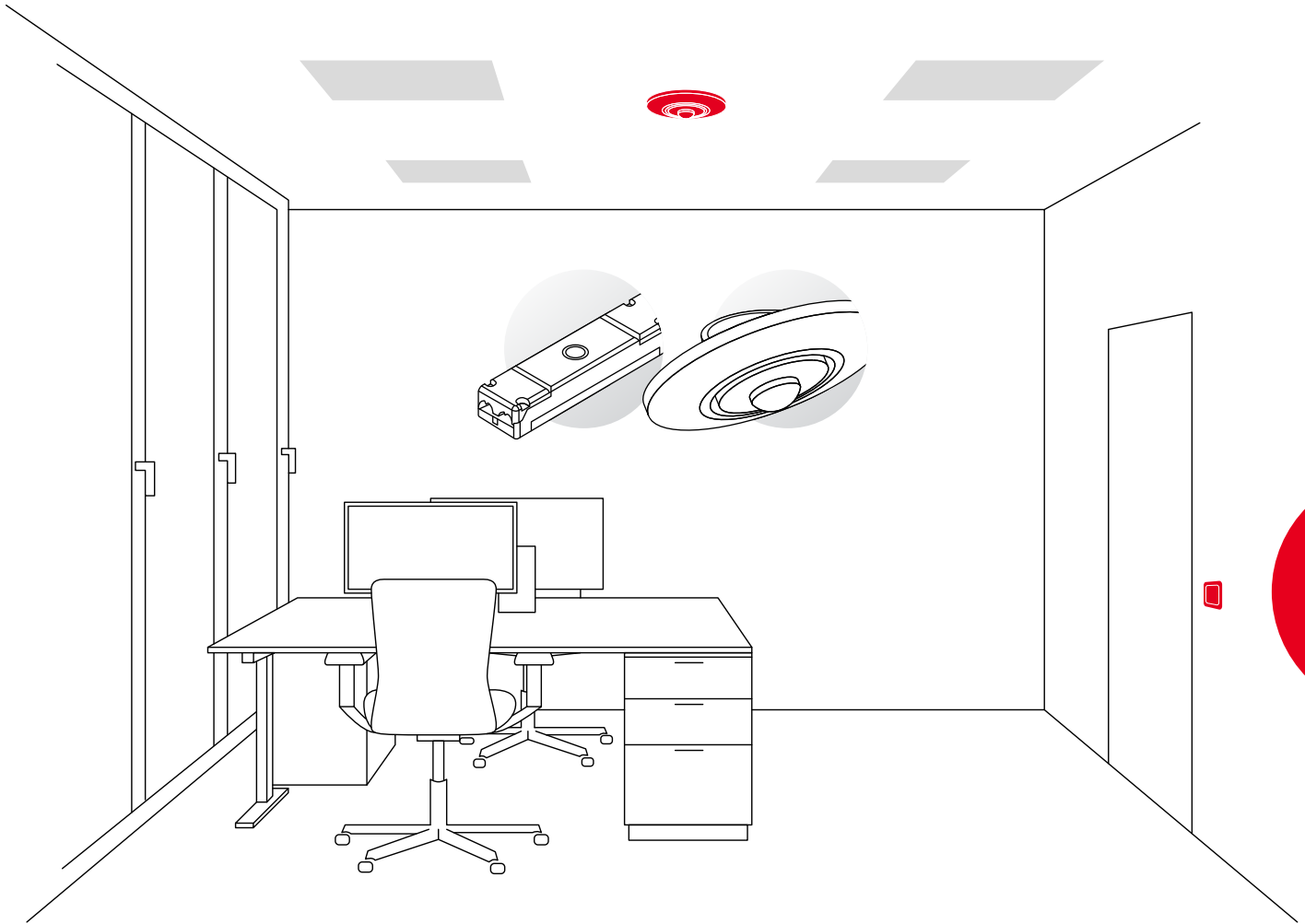


siteco

Save  
up to **57%**  
in energy cost  
immediately



# Control your lighting with SITECO Connect 31 Office.

Professional  
**plug & play**  
lighting solutions

Individual room refurbishment of office and ancillary spaces.

# What you get with **SITECO Connect 31 Office.**

## **Fluorescent lamp ban. Refurbish now and benefit.**

The ban on fluorescent lamps makes refurbishment necessary. Replacing fluorescent lamps with LED luminaires can save a lot of energy – and even more with lighting control. Whether new buildings or old existing buildings without existing infrastructure – with the SITECO Connect modular system, upgrades are anything but expensive and time-consuming.

Find out more  
about our

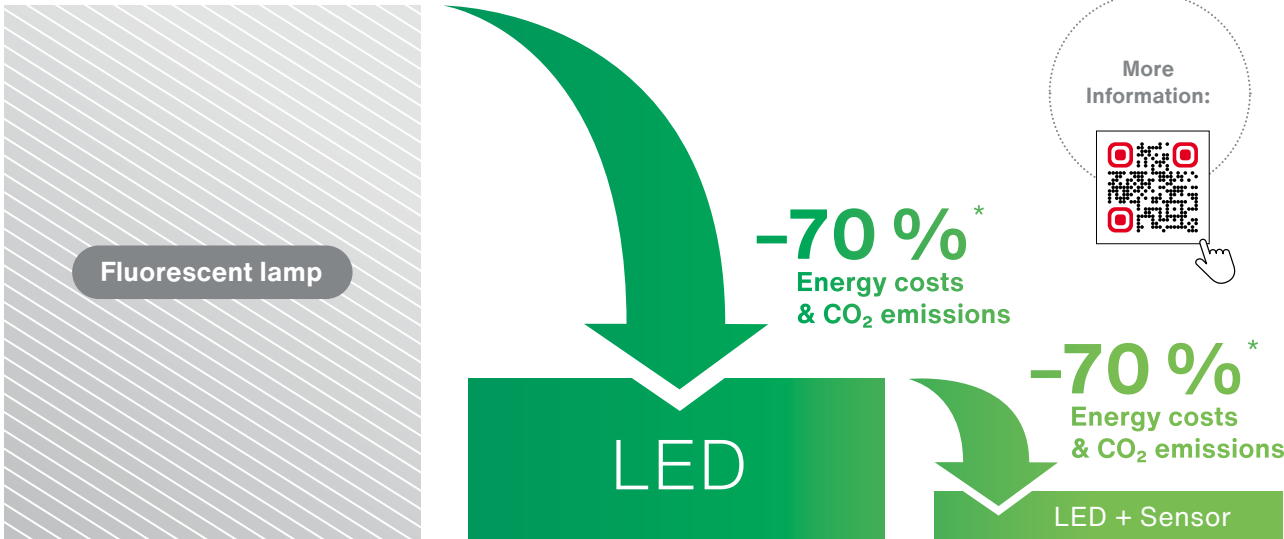
**refurbishment  
solutions:**



# How you benefit from smart lighting control.

## Maximum energy and cost savings.

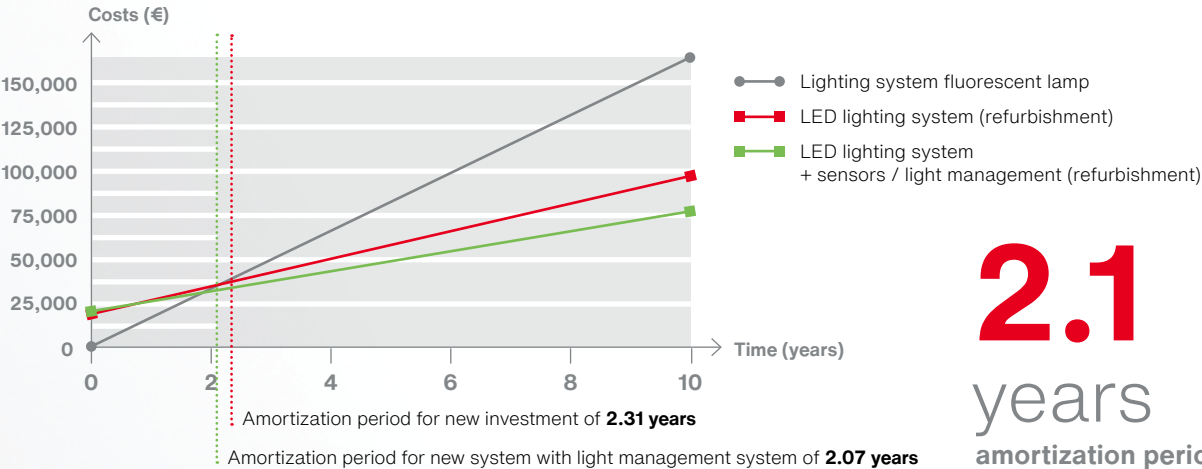
Light only when and where and to the extent that it is actually needed. State-of-the-art light and motion sensors help you maximize your energy, CO<sub>2</sub> and cost savings.



\*Savings depend on application and usage behavior

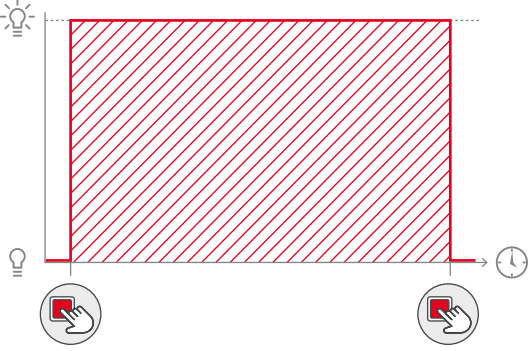
## Payback in record time.

Intelligent lighting control pays for itself faster than ever before. Those who decide against intelligent lighting control today are leaving significant energy-saving potential untapped. There has never been a better time to reap the benefits of smart lighting control than right now.

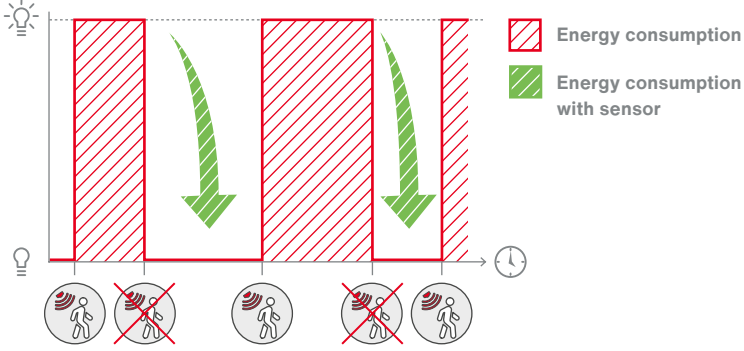


**2.1**  
years  
amortization period

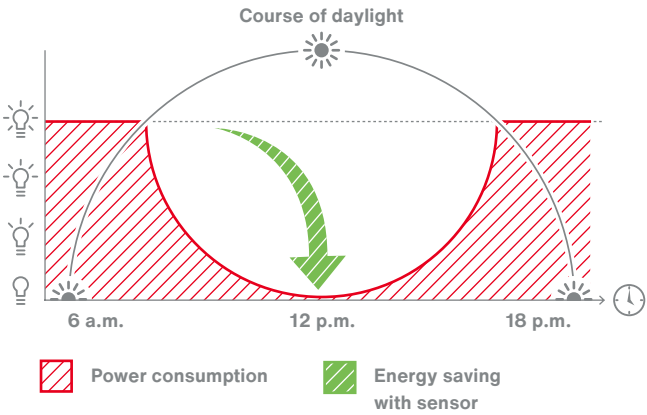
**Energy consumption without motion sensors**



**Energy consumption with motion sensors**



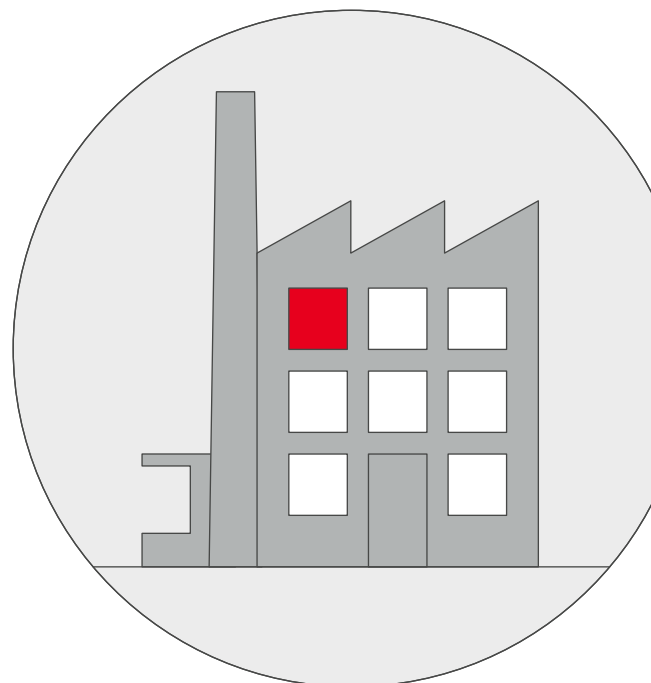
**Daylight sensors**



Artificial lighting is automatically adjusted to the available daylight. Sensors continuously measure the incident light and regulate the illuminance accordingly so that **optimum lighting conditions** always prevail. This saves energy, the light remains natural and pleasant, and user comfort increases – without any manual readjustment.

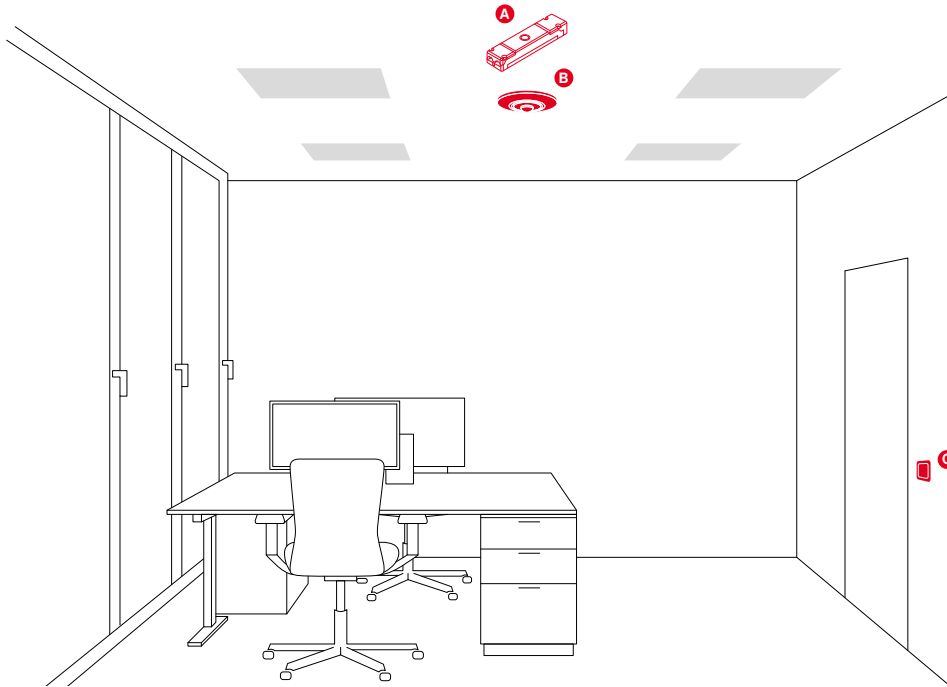
<b>Usage</b>	<b>Annual useful life</b>	<b>Savings by presence detection</b>	<b>Savings by daylight control / constant light control</b>
<b>Individual and group office</b>	2,750 h	28.50 %	40 %
<b>Classroom, group room (kindergarten)</b>	1,400 h	23.75 %	40 %
<b>Toilets and washrooms in non-residential buildings</b>	2,750 h	85.50 %	0 %
<b>Secondary areas without recreational rooms</b>	2,750 h	85.50 %	0 %
<b>Data centre</b>	8,760 h	47.50 %	0 %
<b>Commercial and industrial halls</b>	2,070 h	9.50 %	20 %
<b>Gym without audience area</b>	3,750 h	28.50 %	30 %
<b>Car parks (public use)</b>	5,475 h	76 %	0 %
<b>Storage halls, logistics hall</b>	8,760 h	57 %	0 %

Intelligent standalone solution that does not require a higher-level lighting or building management system, to easily implement basic energy-saving functions.



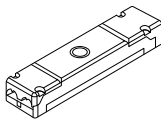
# Refurbishment example for an office space

Presence and  
motion control  
up to  
**-57%**  
energy costs



Payback period  
(luminaires + Connect 31 Office)  
**< two years**

## A Controller



### Autonomous, local control system

- Full intelligence in the controller without master components
- Simple commissioning without programming knowledge
- Integrated DALI power supply

## B Sensor

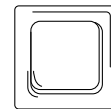


### Control via motion and daylight

- Needs-based, intelligent light
- Energy savings up to 70 %\*
- Accelerated amortization

\* Savings depend on structural conditions and usage behavior

## C Standard push button



### Control ON/OFF/dimming

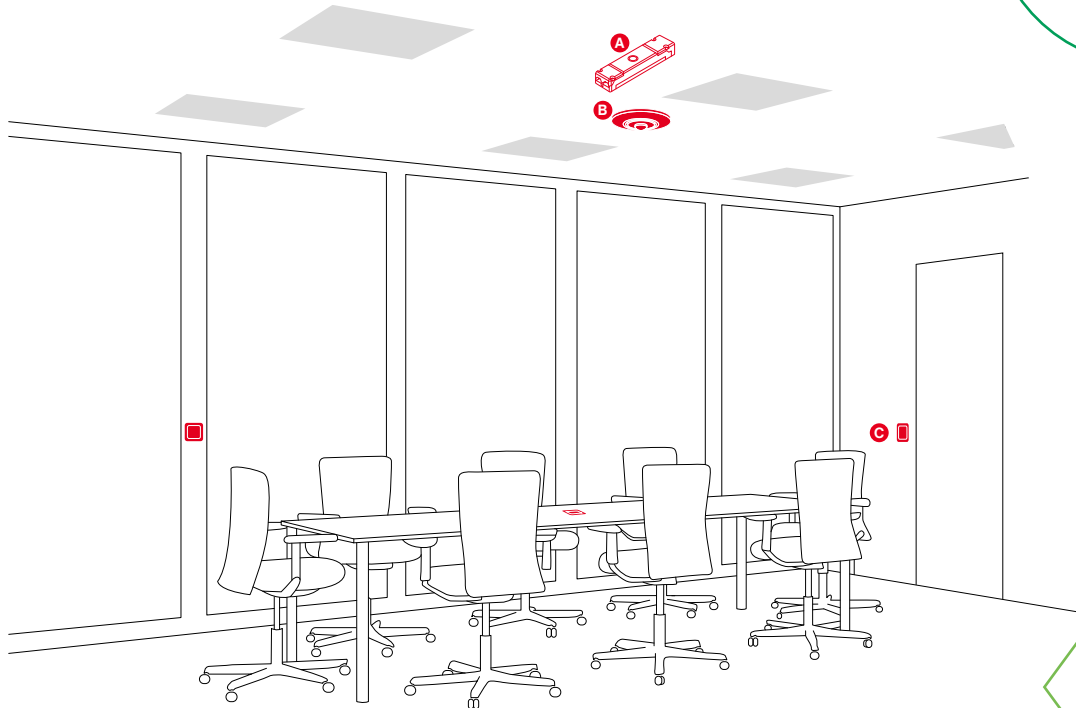
- Individual brightness adjustment
- User can intervene manually at all times

## Individual components

Individual components	Order number
SC 31 Office Controller	5LZ935100A
SC 31 Office Sensor	5LZ935202A
SC 31 Cable strain relief	5LZ935400A

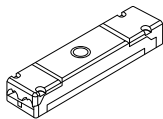
# Refurbishment example for a meeting room

Presence and motion control  
up to  
**-57%**  
energy costs



Payback period  
(Luminaires + Connect 31 Office)  
**< two years**

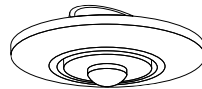
## A Controller



### Autonomous, local control system

- Full intelligence in the controller without master components
- Simple commissioning without programming knowledge
- Integrated DALI power supply

## B Sensor

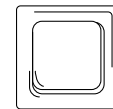


### Control via motion and daylight

- Needs-based, intelligent light
- Energy savings up to 47 %\*
- Accelerated amortization

\* Savings depend on structural conditions and usage behavior

## C Standard push button



### Control ON/OFF/dimming

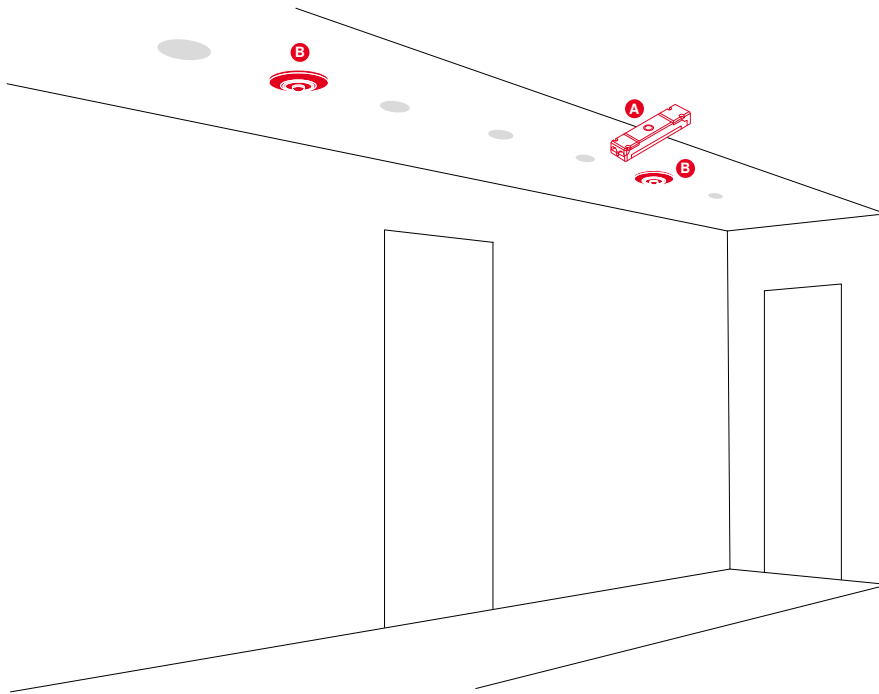
- Individual brightness adjustment
- User can intervene manually at all times

## Individual components

Individual components	Order number
SC 31 Office Controller	5LZ935100A
SC 31 Office Sensor	5LZ935202A
SC 31 Cable strain relief	5LZ935400A

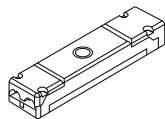
# Refurbishment example for traffic and ancillary areas

Presence and  
motion control  
up to  
**-85%**  
energy costs



Payback period  
(Luminaires + Connect 31 Office)  
**< two and a half years**

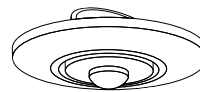
## A Controller



### Autonomous, local control system

- Full intelligence in the controller without master components
- Simple commissioning without programming knowledge
- Integrated DALI power supply

## B Sensor



### Control via motion and daylight

- Needs-based, intelligent light
- Energy savings up to 85 %\*
- Accelerated amortization

\* Savings depend on structural conditions and usage behavior

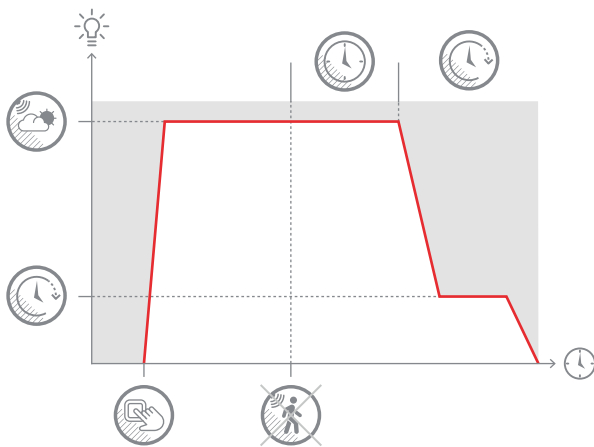
## Individual components

	Order number
SC 31 Office Controller	5LZ935100A
SC 31 Office Sensor	5LZ935202A
SC 31 Cable strain relief	5LZ935400A

# Application example

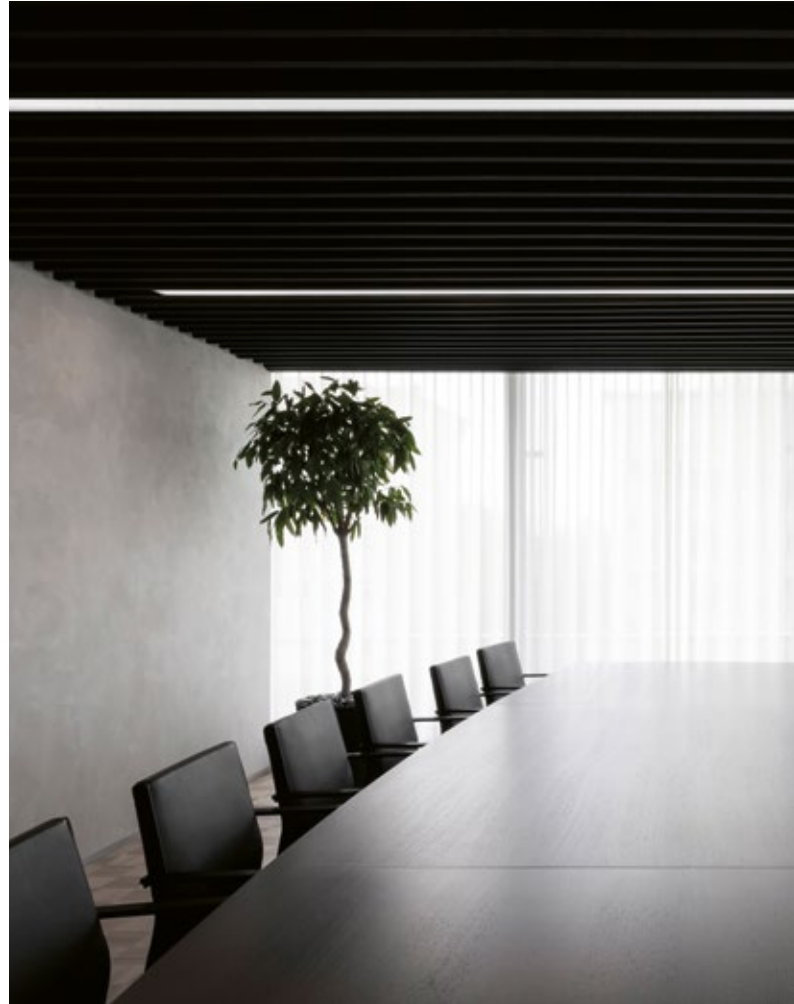
## SITECO Connect 31 Office and Silica 21

In this solution for a meeting room, the luminaires are switched on using a push button to activate the daylight-control function. Motion detection senses when people leave the room, after which a preset timer starts and the luminaires switch into standby mode; five minutes later, the luminaires turn off completely.



### Components used:

2 × Silica 21	51MX23DC4AB
1 × Silica 21, sensor module PC3-S	59MX2CD000BA
1 × SITECO Connect 31 Office	5LZ935100A



### Settings used for this project:



Preset shut-off time  
of ten minutes



Daylight control



Standby function

(factory setting: five minutes, 10% dimming)

### Semi-automatic



Motion detection

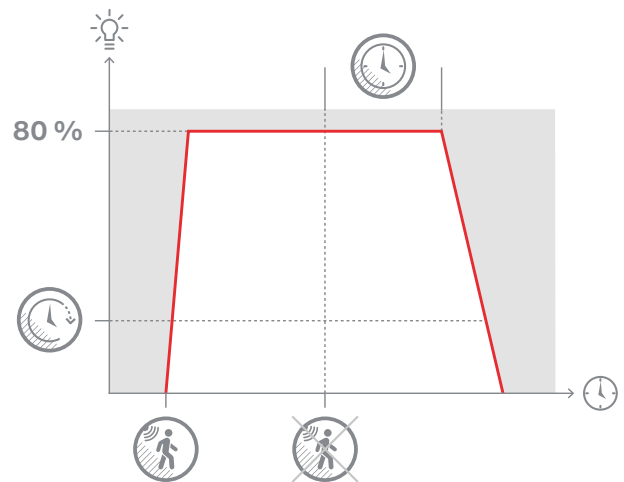


Push-button control

# Application example SITECO Connect 31 Office and Silica 21





In this open-space solution, the luminaires turn on automatically when motion is detected. When the space is no longer in use, the luminaires turn off after the preset shut-off time expires.




#### Components used:

3 × Silica 21	51MX32DC4DS
2 × Silica 21, sensor module PC3-S	59MX2CW000SA
1 × SITECO Connect 31 Office	5LZ935100A

#### Settings used for this project:

-  Preset shut-off time of five minutes
-  Daylight-control function deactivated

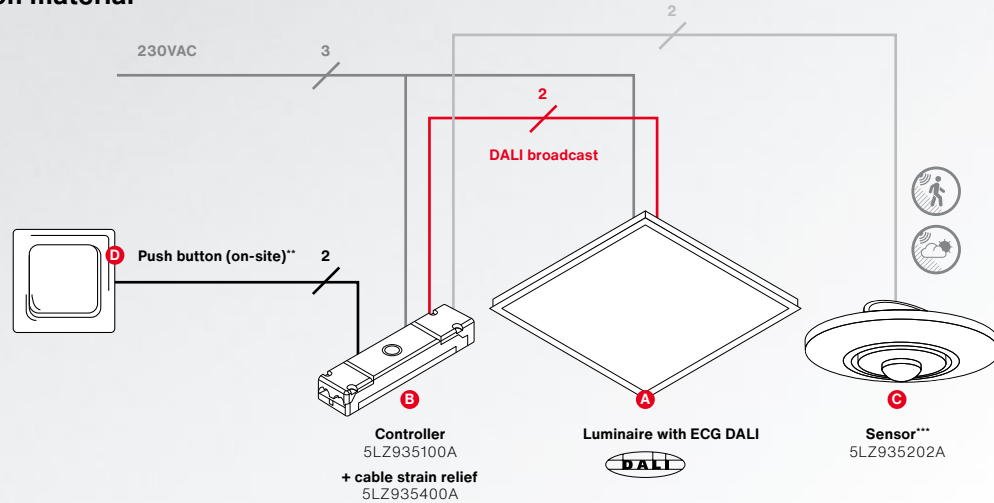
#### Fully automatic

-  Motion detection

# Fast. Simple. Expandable.

Thanks to the perfectly matched components in professional quality, there are no problems with selection or compatibility. All products are easy to expand and can be put into operation in no time.

## Easy mounting with standard installation material



### Number of components in system configuration

Component	0	1	2
Controller <b>B</b>		1	
Sensor*** <b>C</b>	0	1	2
Luminaire with ECG DALI* <b>A</b>	≤ 30	≤ 30	≤ 30
Push button** (on-site) <b>D</b>	≤ 3	≤ 3	≤ 3

### Sensor range

Mounting height	Radial	Tangential	Presence
h = 2.5 m	Diameter 2.0 m	Diameter 5.0 m	Diameter 2.0 m
h = 3.0 m	Diameter 2.4 m	Diameter 6.0 m	Diameter 2.4 m
h = 3.5 m	Diameter 2.8 m	Diameter 7.0 m	Diameter 2.8 m

\* Power + DALI: maximum total cable length 300 m (when laid with standard cable – e.g., NYM-J 5G 1.5 mm<sup>2</sup>)

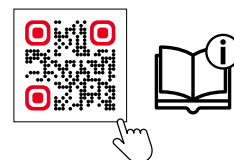
\*\* On-site push button: maximum total cable length 50 m (when laid with, e.g., NYM-J 5G 1.5 mm<sup>2</sup>)

\*\*\* Sensor: maximum cable length 300 m

The above illustration is only an example of a circuit diagram for a light management system. For specific applications, individual planning (in particular for cable and circuit dimensioning, types of cables, fire barriers, routing, etc.) by qualified personnel is essential. Siteco GmbH assumes no liability for the correctness of the above representation.

## More questions?

QR codes on packaging and products take you directly to important and helpful information: technical data, instructions and application examples.



# Contact.

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