siteco

Save up to 57 % on energy costs instantly.

Professional
Plug & Play
lighting solutions

Lighting control with SITECO Connect 31 Logistic.

Local control solutions with SITECO Connect sensors.

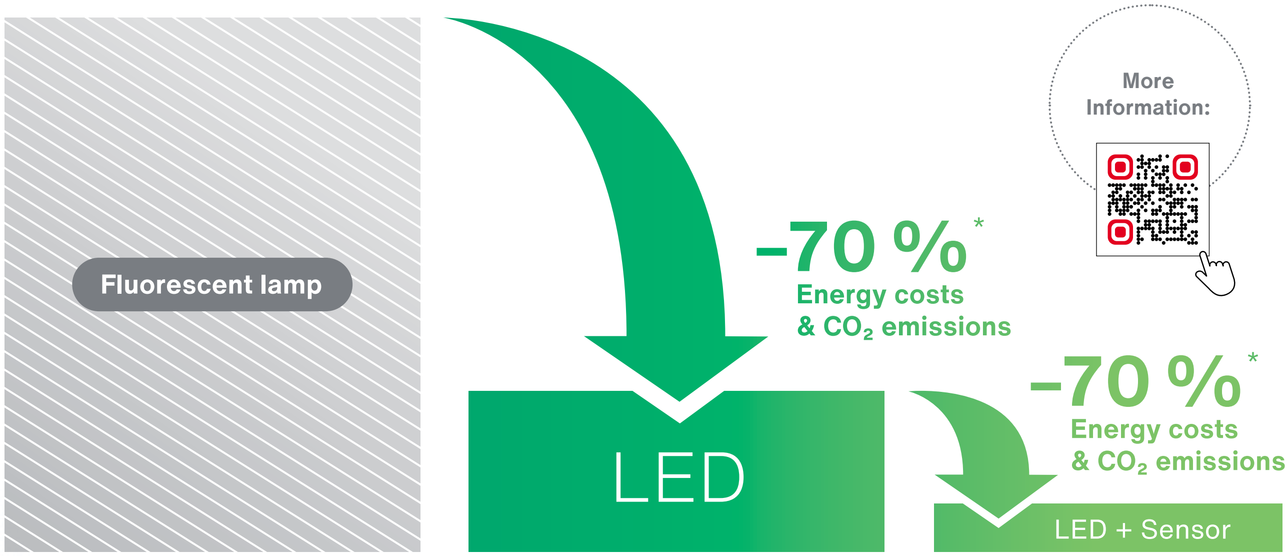
What you get with
SITECO Connect 31 Office.

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.

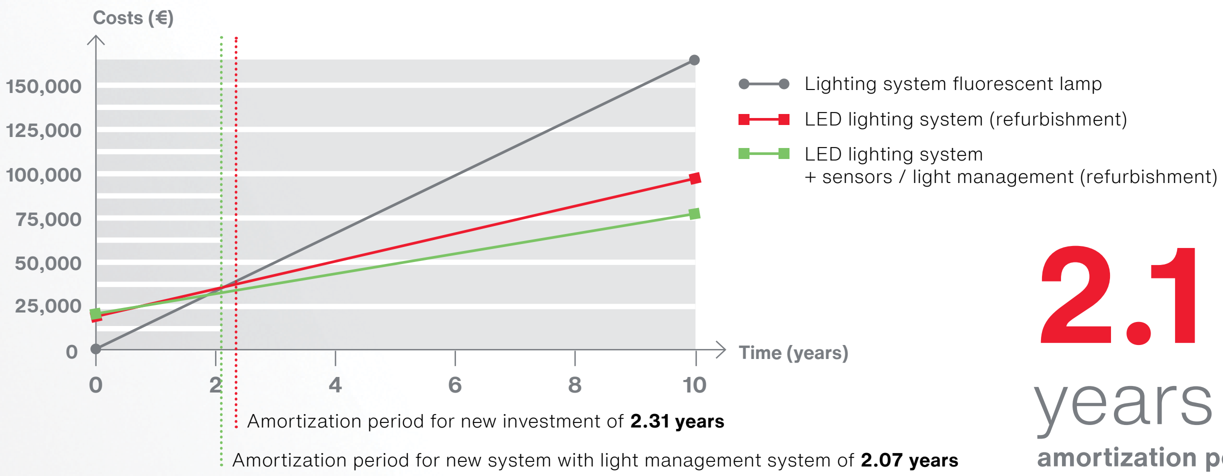
Maximum energy and cost savings.
Light only when and where and to the extent that it is actually needed. State-of-the-art light and motion sensors help you maximize your energy, CO_2 and cost savings.



More Information:

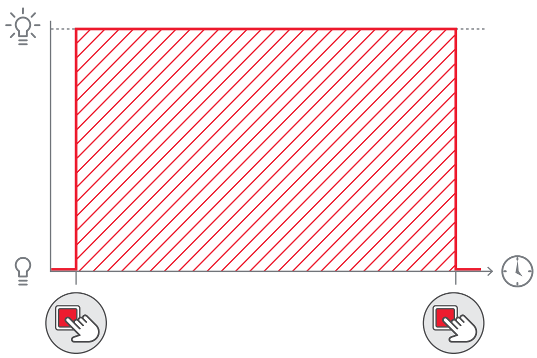
*Savings depend on application and usage behavior

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.

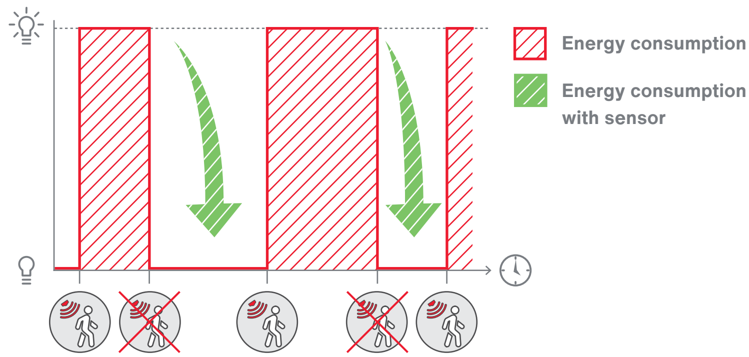


2.1 years
amortization period

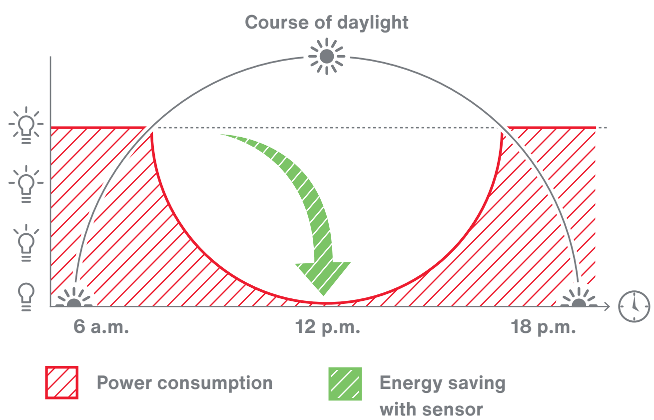
Energy consumption without motion sensors



Energy consumption with motion sensors



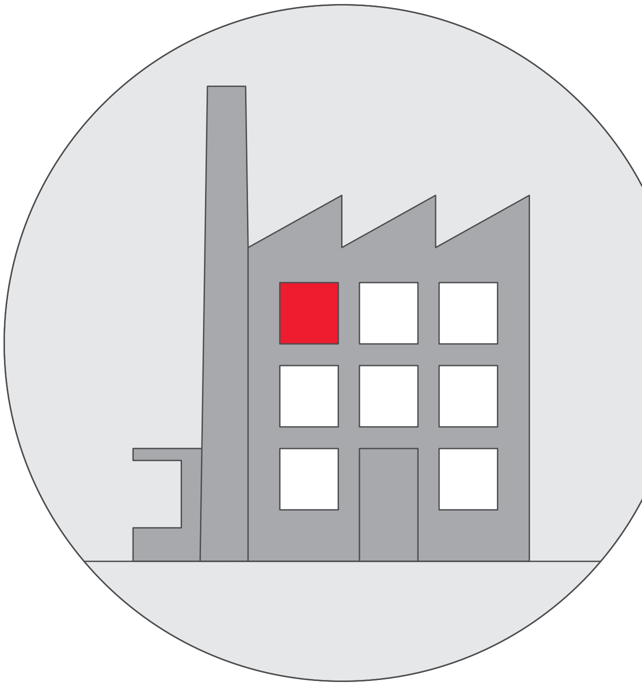
Daylight sensors



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.

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

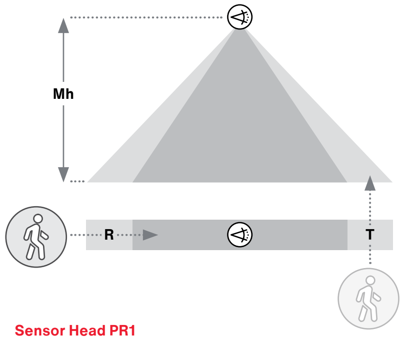
Intelligent standalone solution that does not require a higher-level lighting or building management system, to easily implement basic energy-saving functions.

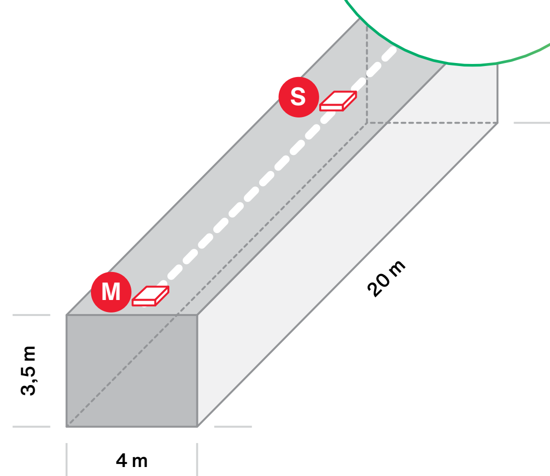


Application example **for storage rooms and corridors.**

Presence and motion control up to –57 % energy costs

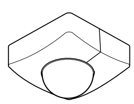
Mounting height = 2 m to 4 m





Sensor Head PR1

Mh	R	T
2.5 m	14 × 4 m	20 × 4 m
3.5 m	14 × 4 m	20 × 4 m



Ⓜ Master function

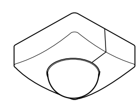
Autonomous, local control system

- Complete intelligence is in the sensor without a superordinate lighting or building management system
- Simple commissioning without programming knowledge
- Integrated DALI power supply

Control for motion and daylight

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

* Savings depend on structural conditions and usage behavior



Ⓢ Slave function

Expansion of area

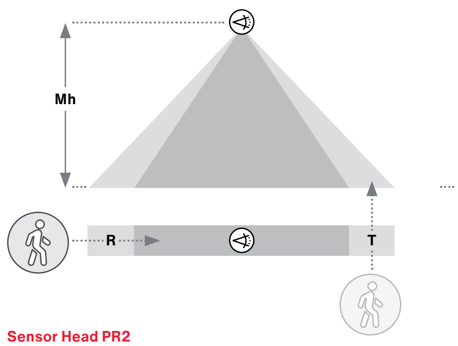
- Extend the detection range
- Control for movement
- Directly connect to DALI

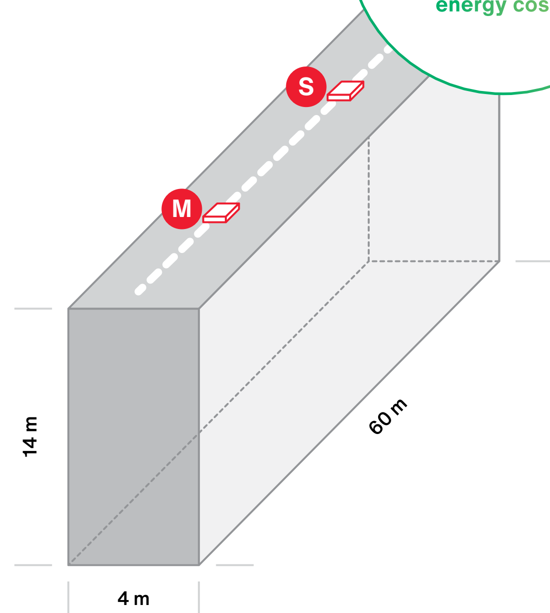
Individual components: storerooms and corridors		Order number
Ⓜ Master function	**Sensor interfaces MD**	
	Licross sensor interface MD	56TL1FCMA
	Modario sensor interface MD	5TR305FCMA
	Ceiling surface mounting — external sensor interface MD	59US1FCMA
	Sensor heads M	
	Corridor, sensor head PR1-M	59US1HXMPR1A
Ⓢ Slave function	**Sensor interfaces S**	
	Licross sensor interface S	56TL1FCSA
	Modario sensor interface S	5TR305FCSA
	Ceiling surface mounting — external sensor interface S	59US1FCSA
	Sensor heads S	
	Corridor, sensor head PR1-S	59US1HXSPR1A
Accessories	Smart Remote for commissioning	59UC3RCA

Application example **for rack and high-bay warehouse.**

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

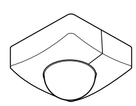
Mounting height = 4 m to 14 m





Sensor Head PR2

Mh	R	T
14 m	30 × 4 m	30 × 4 m
12 m	30 × 4 m	30 × 4 m
10 m	25 × 4 m	25 × 4 m
8 m	20 × 4 m	20 × 4 m
6 m	15 × 4 m	15 × 4 m
4 m	10 × 4 m	10 × 4 m



M Master function

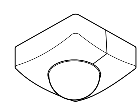
Autonomous, local control system

- Complete intelligence is in the sensor without a superordinate lighting or building management system
- Simple commissioning without programming knowledge
- Integrated DALI power supply

Control for motion and daylight

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

* Savings depend on structural conditions and usage behavior



S Slave function

Expansion of area

- Extend the detection range
- Control for movement
- Directly connect to DALI

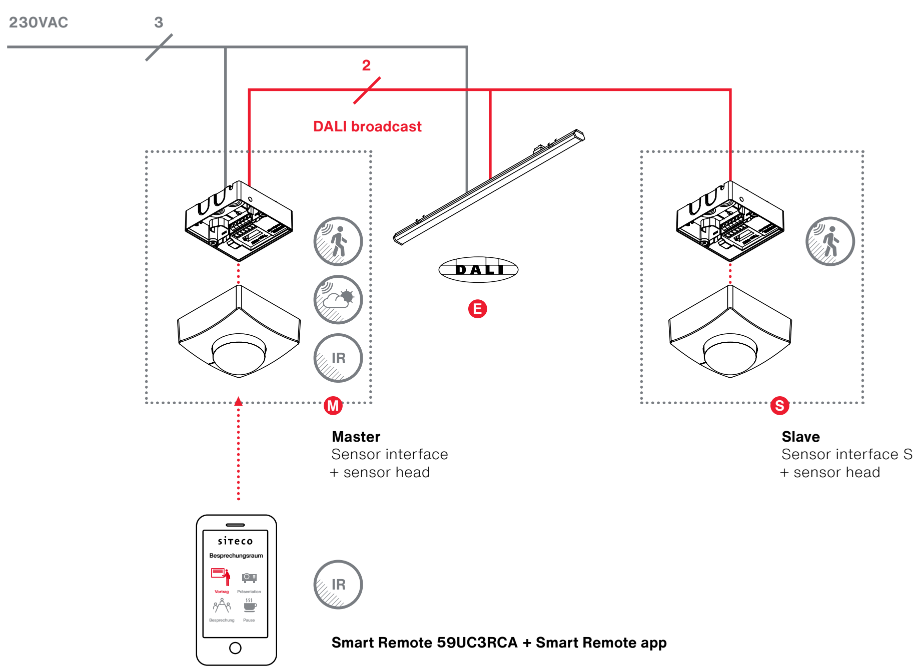
Individual components for shelf warehousing and high-bay racking		Order number
M Master function	**Sensor interfaces MD**	
	Licross sensor interface MD	56TL1FCMA
	Modario sensor interface MD	5TR305FCMA
	Ceiling surface mounting — external sensor interface MD	59US1FCMA
	Sensor heads M	
	Shelf warehousing and high-bay racking, sensor head PR2-M	59US1HXMPR2A
S Slave function	**Sensor interfaces S**	
	Licross sensor interface S	56TL1FCSA
	Modario sensor interface S	5TR305FCSA
	Ceiling surface mounting — external sensor interface S	59US1FCSA
	Sensor heads S	
	Shelf warehousing and high-bay racking, sensor head PR2-S	59US1HXSPR2A
Accessories	Smart Remote for commissioning	59UC3RCA

As easy
as it gets.

Perfectly matched, professional-quality components ensure smooth sailing:
All products are easy to expand and put into operation in no time at all.

Example

The diagram shows the wiring for external sensors. Caution: Licross 11/21, Modario 31 and Highbay differ. You can find more information in the respective installation instructions.



System size

DALI-EVG E	≤ 30	≤ 27	≤ 24	≤ 21
Master M	1	1	1	1
Slave S	1	2	3	4

Your advantages:

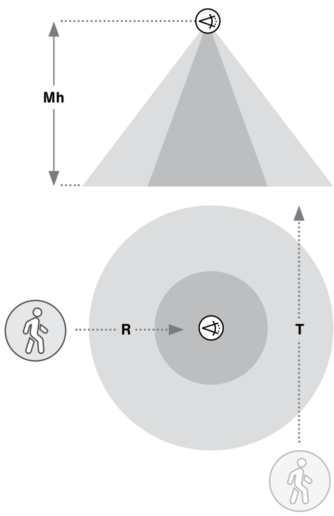
- Simple, time-saving system commissioning without DALI programming knowledge
- When defective luminaires are replaced, DALI broadcast addressing automatically brings new luminaires online with no programming needed

The above illustration is only as 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.

Application example **for shipping areas.**

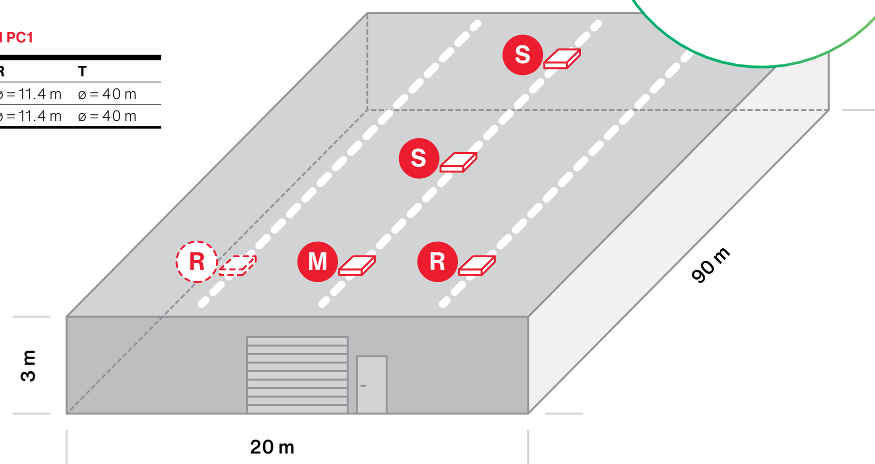
Presence and motion control up to
–57 %
energy costs

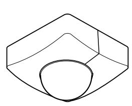
Mounting height = 2 m to 4 m



Sensor Head PC1

Mh	R	T
2 m	ø = 11.4 m	ø = 40 m
3 m	ø = 11.4 m	ø = 40 m

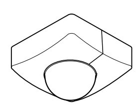




Ⓜ Master function

Autonomous, local control system

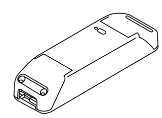
- Complete intelligence is in the sensor without a superordinate lighting or building management system
- Simple commissioning without programming knowledge
- Integrated DALI power supply



Ⓢ Slave function

Expansion of area

- Extend the detection range
- Control for movement
- Directly connect to DALI



Ⓡ Repeater function

DALI line extension

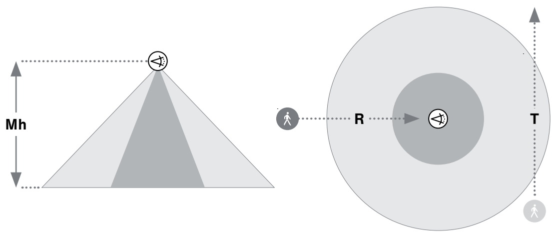
- Increase in the number of control units
- Extension of the cable length by 300 m
- Your own DALI subcircuit possible
- Control over broadcast address
- Switch and dim push-button input

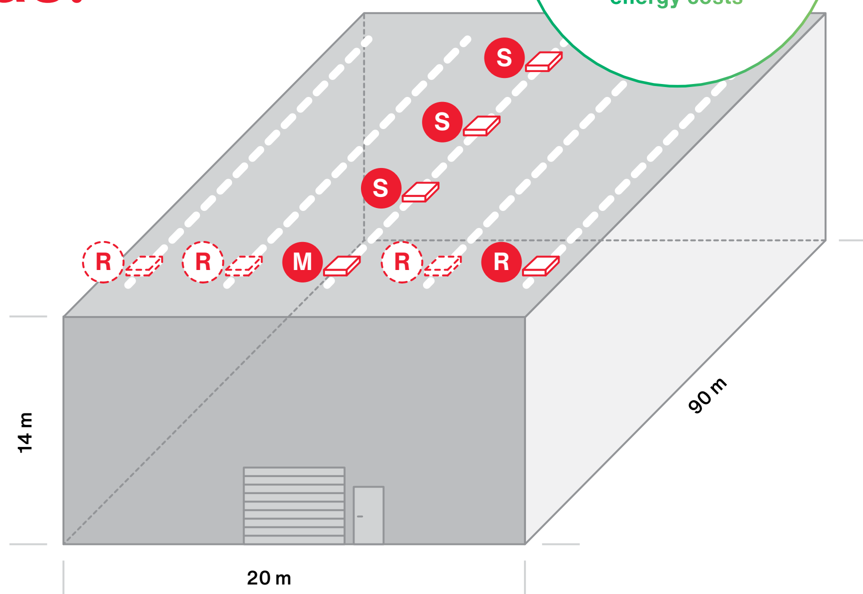
Individual components for shipping areas, low height		Order number
Ⓜ Master function	**Sensor interfaces MD**	
	Licross sensor interface MD	56TL1FCMA
	Modario sensor interface MD	5TR305FCMA
	Ceiling surface mounting — external sensor interface MD	59US1FCMA
	Sensor heads M	
	Shipping area, low height, sensor head PC1-M	59US1HXMPC1A
Ⓢ Slave function	**Sensor interfaces S**	
	Licross sensor interface S	56TL1FCSA
	Modario sensor interface S	5TR305FCSA
	Ceiling surface mounting — external sensor interface S	59US1FCSA
	Sensor heads S	
	Shipping area, low height, sensor head PC1-S	59US1HXSPC1A
Accessories	Smart Remote for commissioning	59UC3RCA
	Repeater for luminaire installation	5LZ904002A
	Repeater for distribution installation	5LZ904001A

Application example **for shipping areas.**

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

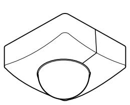
Mounting height = 5 m to 14 m





Sensor Head PC5

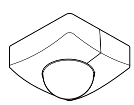
Mh	R	T
14 m	ø = 16.3 m	ø = 40 m
12 m	ø = 16.3 m	ø = 40 m
10 m	ø = 15.6 m	ø = 40 m
8 m	ø = 14.3 m	ø = 40 m
6 m	ø = 12.0 m	ø = 40 m
4 m	ø = 10.0 m	ø = 40 m



Ⓜ Master function

Autonomous, local control system

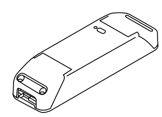
- Complete intelligence is in the sensor without a superordinate lighting or building management system
- Simple commissioning without programming knowledge
- Integrated DALI power supply



Ⓢ Slave function

Expansion of area

- Extend the detection range
- Control for movement
- Directly connect to DALI



Ⓡ Repeater function

DALI line extension

- Increase in the number of control units
- Extension of the cable length by 300 m
- Your own DALI subcircuit possible
- Control over broadcast address
- Switch and dim push-button input

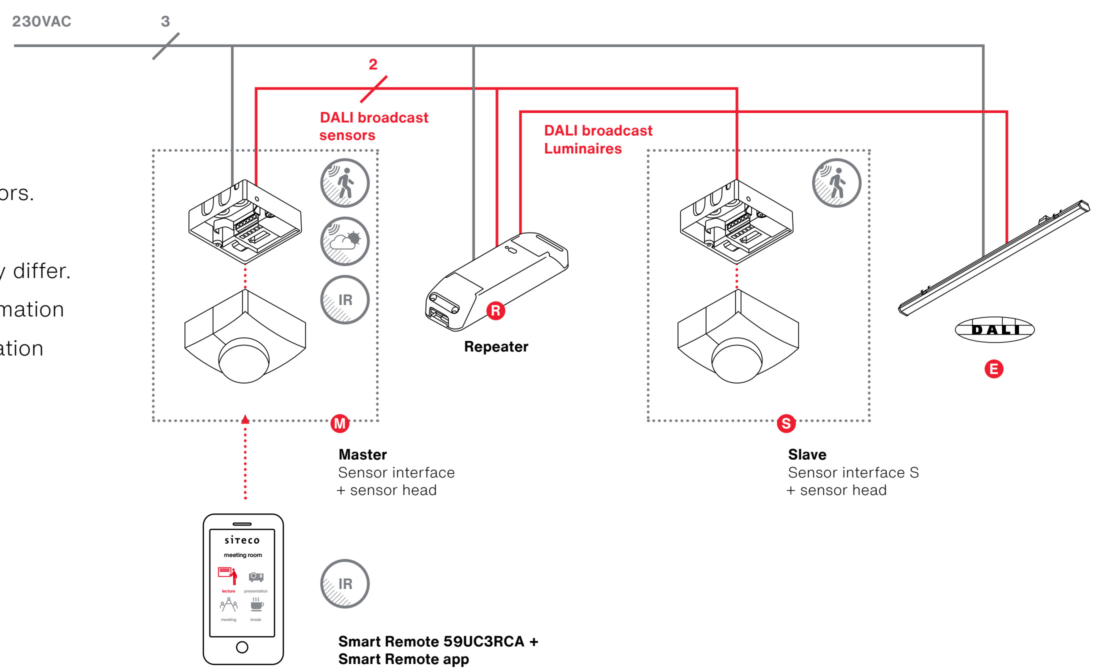
Individual components for shipping areas, high height		Order number
Ⓜ Master function	**Sensor interfaces MD**	
	Licross sensor interface MD	56TL1FCMA
	Modario sensor interface MD	5TR305FCMA
	Ceiling surface mounting — external sensor interface MD	59US1FCMA
	Sensor heads M	
	Shipping area, high height, sensor head PC5-M	59US1HXMPC5A
Ⓢ Slave function	**Sensor interfaces S**	
	Licross sensor interface S	56TL1FCSA
	Modario sensor interface S	5TR305FCSA
	Ceiling surface mounting — external sensor interface S	59US1FCSA
	Sensor heads S	
	Shipping area, high height, sensor head PC5-S	59US1HXSPC5A
Accessories	Smart Remote for commissioning	59UC3RCA
	Repeater for luminaire installation	5LZ904002A
	Repeater for distribution installation	5LZ904001A

It couldn’t be easier.

Simple commissioning without DALI programming knowledge.

Example

The diagram shows the wiring for external sensors. Caution: Licross 11/21, Modario 31 and Highbay differ. You can find more information in the respective installation instructions.



System size

Master Ⓜ	1
Slave Ⓢ	0 1 2 3 4 5 6
Repeater Ⓡ	1
DALI-EVG Ⓔ	≤ 64

Your advantages:

- Simple, time-saving system commissioning without DALI programming knowledge
- When defective luminaires are replaced, DALI broadcast addressing automatically brings new luminaires online with no programming needed

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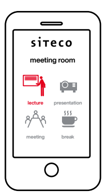
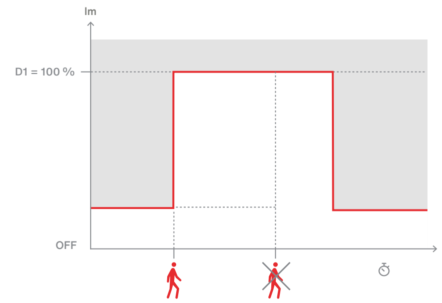
Effortless lighting operation.

Simple commissioning.
Either with potentiometers on the sensor (run-on time and daylight threshold) or conveniently from the floor using the Smart Remote and Smart Remote app.





Maintenance and inventory function active: Light fully always on, sensors deactivated

Contact.

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