




SITECO Connect

Application possibilities for shipping areas (Mh
4...14m)



Shipping areas (Mh 4...14m)

Possible applications			
Application	Shipping areas (Mh 4...14m)		
Control	local control SITECO Connect	central control SITECO Connect 22	central control SITECO Connect 11
Luminaire	Example 5.3 Licross® trunking 	Example 5.2 Licross® trunking 	Example 5.1 Licross® trunking 
Basic energy-saving function			
Daylight Threshold & Motion Detection	•	•	•
manual control		•	•
Basic lighting during absence	•	•	•
Additional functions			
Flexible grouping		•	•
Inventory lighting	•	•	•
Transit lighting		•	•
predictive maintenance			•
Energy monitoring			optional
Services			optional
Building or site networking			optional
Possible applications			
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Example 5.3

**Shipping areas
(Mh 4...14m)**

Licross® trunking

local control

5.3 Shipping areas (Mh 4...14m) local control



Efficiency through integrated energy-saving basic functions



Safety through sensors with high detection quality



Simplicity due to minimized cabling and commissioning effort



Modularity and freedom in planning thanks to the Licross® family concept



Retrofittability through modular sensor interfaces in existing plants

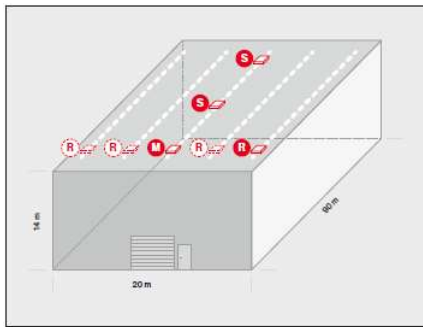


Future-proof through the use of open Standards

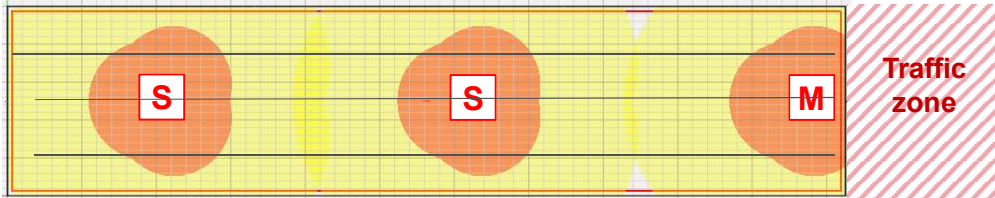


5.3 Shipping areas (Mh 4...14m) local control

Example logistics zone (LPH = 14m, length = 90m, width = 20m)



- = radial detection
- = tangential acquisition



Keep in mind when planning:

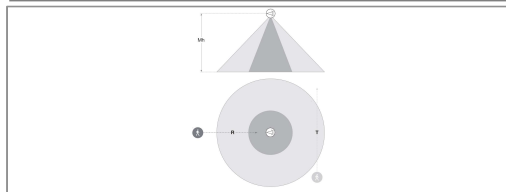
- **M** = immediate detection at entrance or entry (radial, sensor dimmed to traffic zone)
 - Ensure immediate radial detection when entering or driving in ($\varnothing = 16.3m$)
 - Ensure tangential detection for open areas ($\varnothing = 40m$)
 - **M** = Master sensor in the darkest position of the lighting group
- For other mounting heights, please refer to the table of mounting heights!

Which products are needed?

Designation	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface MD + Sensor Head PC5-M	Master M	56TL1FCMA 59US1HXMP5A
Licross® Sensor Interface S + Sensor Head PC5-S	Slave S	56TL1FCSA 59US1HXSP5A
Repeater Luminaire installation Licross® repeater	Repeater R	5LZ904002 56TL1CRM0B
Smart Remote	Commissioning	59UC3RCA

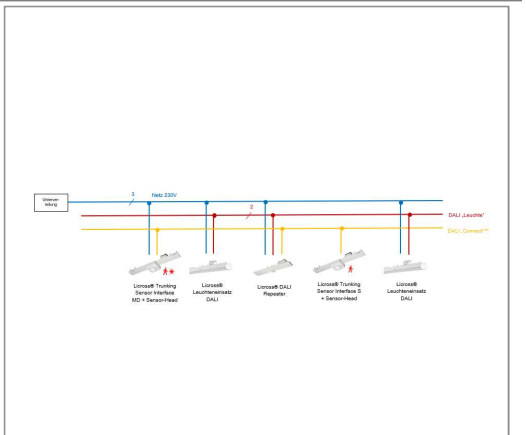
Maximum system sizes

# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21	Repeater Max. 64
# Master	1x M	1x M	1x M	1x M	1x M
# Slave	0x S	1x S	2x S	3x S	3x S



Sensor Head

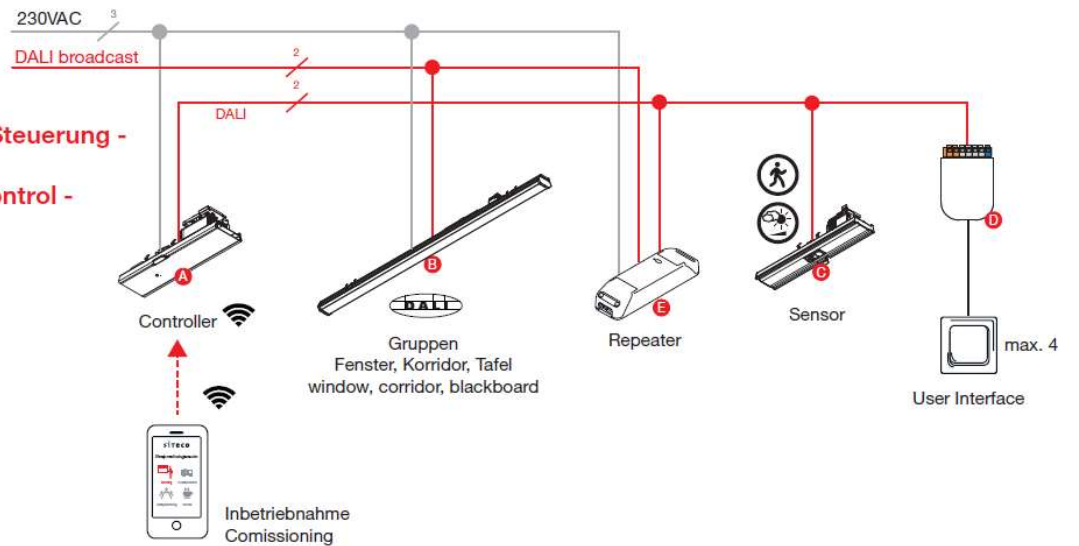
Designation	MH	R	T
PC5 (Relux-Article-#010577)	14	16,3m	40m
	12m	16,3m	40m
	10m	15,6m	40m
	8m	14,3m	40m
	6m	12,0m	40m
	4m	10,0m	40m



5.3 Shipping areas (Mh 4...14m) local control

Scheme/Schema

**Licross® 11/21 Controller lokale Steuerung -
Bereichserweiterung**
**Licross® 11/21 Controller local control -
area expansion**



Systemgröße / System size				
Master A	1			
Slave C	0	1	2	3
DALI-EVG B + Repeater E	≤ 64	≤ 64	≤ 64	≤ 64
Tasterschnittstelle D	≤ 1	≤ 1	≤ 1	≤ 1

* DALI: maximale Gesamtleitungslänge 100m bei Verlegung z. B. NYM5G1,5 mm²

** Taster bauseitig: maximale Leitungslänge 2m zwischen Taster und Tasterschnittstelle

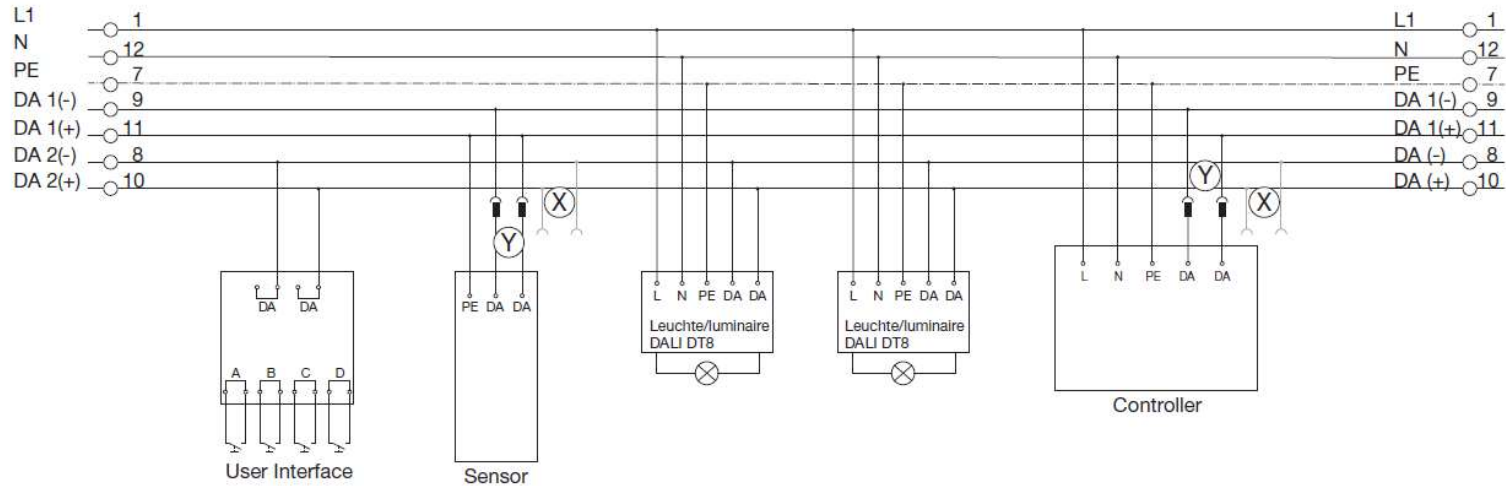
Die obige Darstellung zeigt nur einen exemplarischen Schaltplan eines Lichtmanagementsystems. Für einen konkreten Anwendungsfall ist zwingend eine individuelle Planung (insbesondere Leitungs- und Stromkreisdimensionierungen, Leitungsarten, Brandschottungen, Trassenführungen, etc.) durch qualifiziertes Personal erforderlich. Die Siteco GmbH übernimmt keinerlei Haftung für die Richtigkeit der obigen Darstellung

The illustration above only shows an exemplary circuit diagram of a light management system. For a specific application, individual planning (in particular line and circuit dimensions, line types, fire barriers, cable routing, etc.) a qualified personnel is essential. The SITECO GmbH assumes no liability for the correctness of the above representation.

5.3 Shipping areas (Mh 4...14m) local control

Stromlaufplan/wiring diagram

Licross® 11/21 Controller lokale Steuerung Licross® 11/21 Controller local control



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Example 5.2

**Shipping areas
(Mh 4...14m)**

Licross® trunking

**central control
SITECO Connect 22**

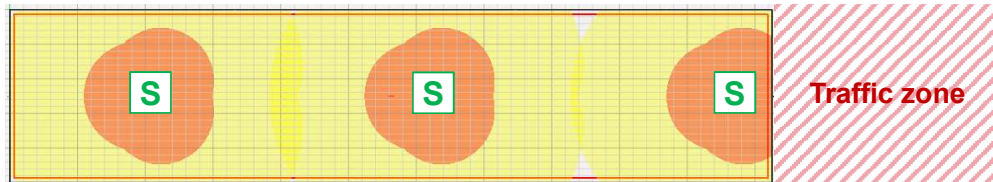
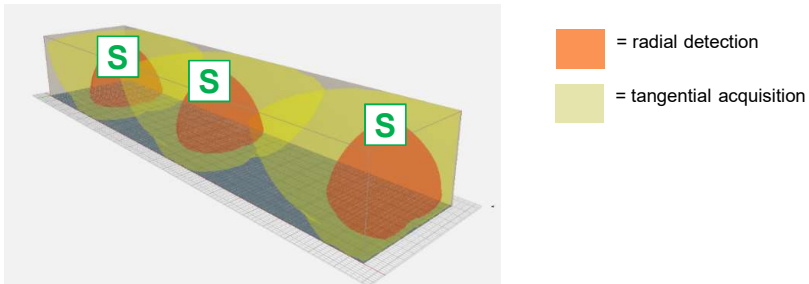
5.2 Shipping areas (Mh 4...14m) central control

- ▶ **Efficiency** through integrated energy-saving basic functions
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity** and **freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofittability** through modular sensor interfaces in existing systems
- ▶ **Future-proof** through the use of open Standards
- ▶ Maximum **flexibility** through individual addressing, thus adaptation to changing needs.



5.2 Shipping areas (Mh 4...14m) central control

Example logistics zone (LPH = 14m, length = 90m, width = 20m)



Keep in mind when planning:

- **S** = immediate detection at entrance or entry (radial, possibly sensor dimmed to traffic zone)
- Ensure immediate radial detection when entering or driving in ($\varnothing = 16.3m$)
- Ensure tangential detection for open areas ($\varnothing = 40m$)

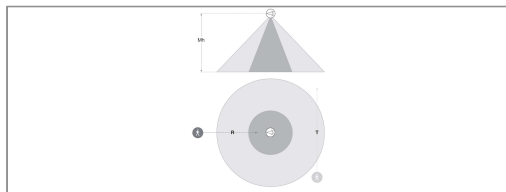
For other mounting heights, please refer to the table of mounting heights!

Which products are needed?

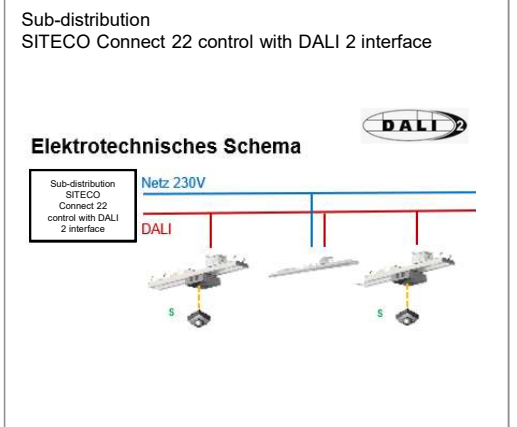
Components	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface + Sensor Head PC5-S	DALI 2	56TL1FCSA 59US1HXSPC5A
SITECO Connect 22 Controller	Two DALI lines	5LZ904712A
Key coupler 4-fold, 4 DI	DALI 2	5LZ930303
Services		
Commissioning		at expense

SITECO Connect 22 - maximum system sizes

# DALI ECG	max. 64 per DALI 2 line
# Sensors	max. 64 sensor functions per DALI 2 line (Attention, observe current consumption! max. output current of DALI control must not be exceeded!)

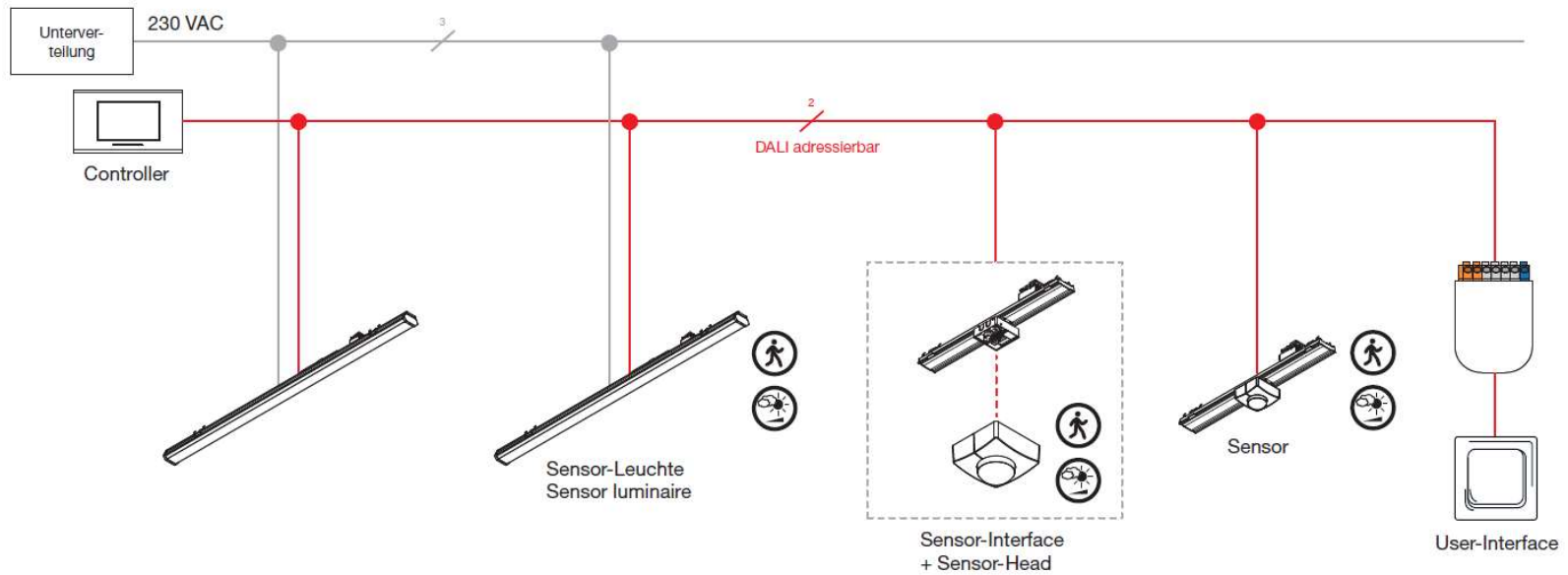


Designation	MH	R	T
PC5 (Relux-Article-#010577)	14m	16,3m	40m
	12m	16,3m	40m
	10m	15,6m	40m
	8m	14,3m	40m
	6m	12,0m	40m
	4m	10,0m	40m



5.2 Shipping areas (Mh 4...14m) central control

Siteco Connect 22



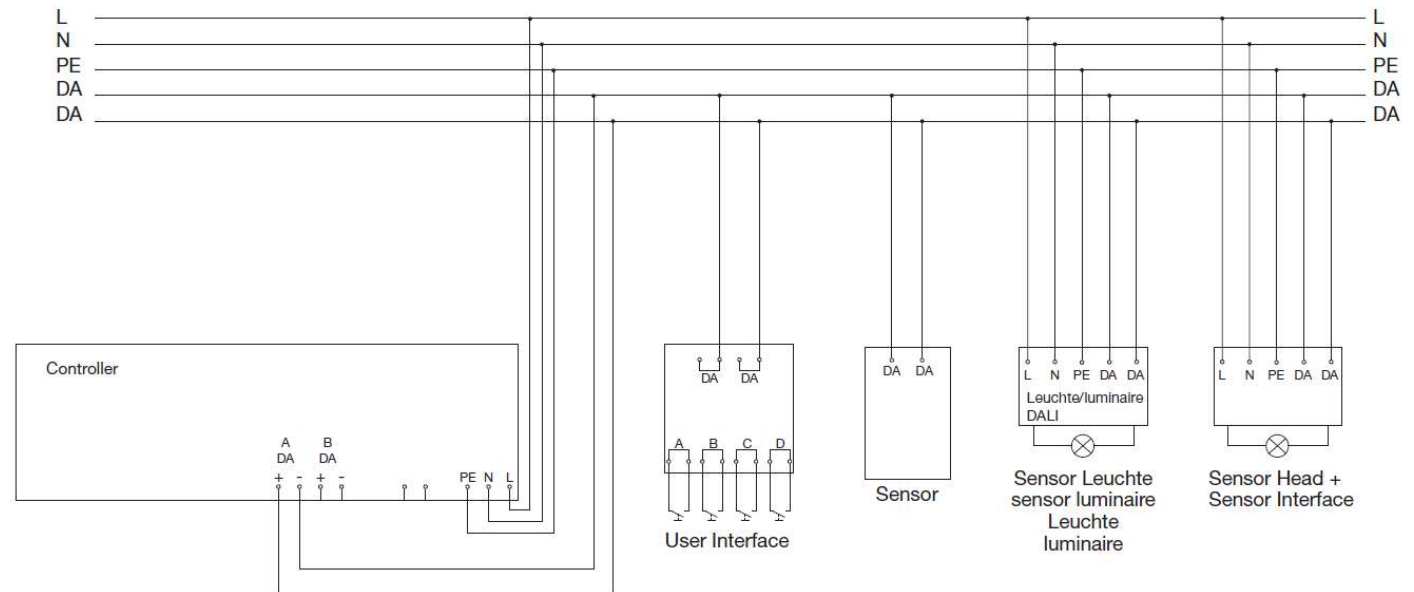
Die obige Darstellung zeigt nur einen exemplarischen Schaltplan eines Lichtmanagementsystems. Für einen konkreten Anwendungsfall ist zwingend eine individuelle Planung (insbesondere Leitungs- und Stromkreisdimensionierungen, Leitungsarten, Brandschottungen, Trassenführungen, etc.) durch qualifiziertes Personal erforderlich. Die Siteco GmbH übernimmt keinerlei Haftung für die Richtigkeit der obigen Darstellung

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5.2 Shipping areas (Mh 4...14m) central control

Stromlaufplan/wiring diagram

SITECO Connect 22



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Example 5.1

**Shipping areas
(Mh 4...14m)**

Licross® trunking

**central control
SITECO Connect 11**

5.1 Shipping areas (Mh 4...14m) central control

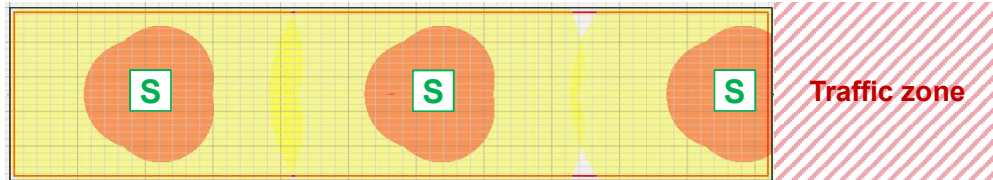
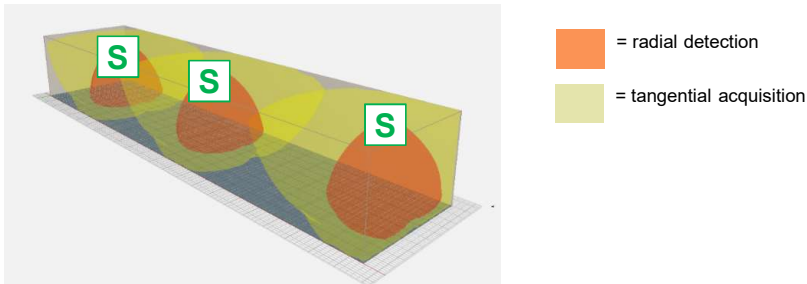
- 
Efficiency through integrated energy-saving basic functions
- 
Safety through sensors with high detection quality
- 
Modularity and **freedom** in planning thanks to the Licross® family concept
- 
Retrofittability through modular sensor interfaces in existing systems
- 
Future-proof through the use of open Standards
- 
 Maximum **flexibility** through individual addressing, thus adaptation to changing needs.
- 
 Central control and monitoring functions enable **dashboards** on plant status.

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5.1 Shipping areas (Mh 4...14m) central control

Example logistics zone (LPH = 14m, length = 90m, width = 20m)



Keep in mind when planning:

- **S** = immediate detection at entrance or entry (radial, possibly sensor dimmed to traffic zone)
- Ensure immediate radial detection when entering or driving in (Ø = 16.3m)
- Ensure tangential detection for open areas (Ø = 40m)

For other mounting heights, please refer to the table of mounting heights!

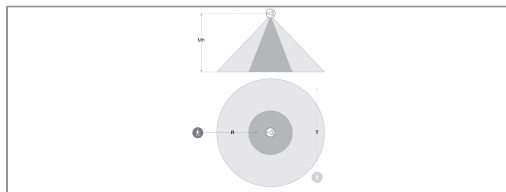
Which products are needed?

Components	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface + Sensor Head PC5-S	DALI 2	56TL1FCSA 59US1HXSPC5A
SITECO Connect 11 basic package with TouchPanel	S/P (1-12 DALI lines) M/P (1-18 DALI lines)	5LZ930101 5LZ930103
SITECO Connect 11 basic package with top hat rail PC	S/D (1-12 DALI lines) M/D (1-18 DALI lines)	5LZ930100 5LZ930102
Key coupler 4-fold, 4 DI	DALI 2	5LZ930303

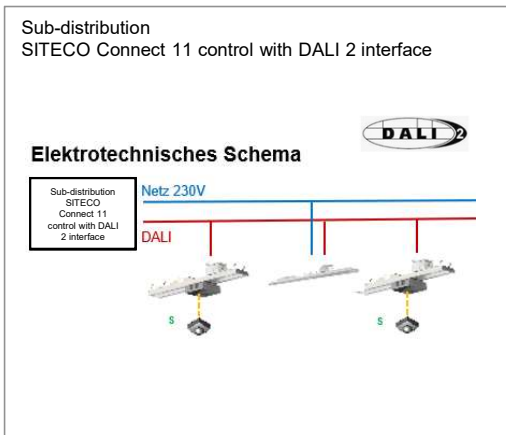
Services		Order no.
Addressing / linking luminaire	per EVG address	5LZ930D00
Addressing / linking sensor	per sensor	5LZ930D01
Overnight flat rate	Hotel costs	5LZ930D03
Travel / Travel expenses	per km ex. Verl	5LZ930D04
System Technician / Direction Work	per hour	5LZ930D02

SITECO Connect 11 - maximum system sizes

# DALI ECG	max. 63 per DALI 2 line
# Sensors	max. 30 per DALI 2 line (Attention, observe current consumption! Max. Output current of the DALI control must not be exceeded!)

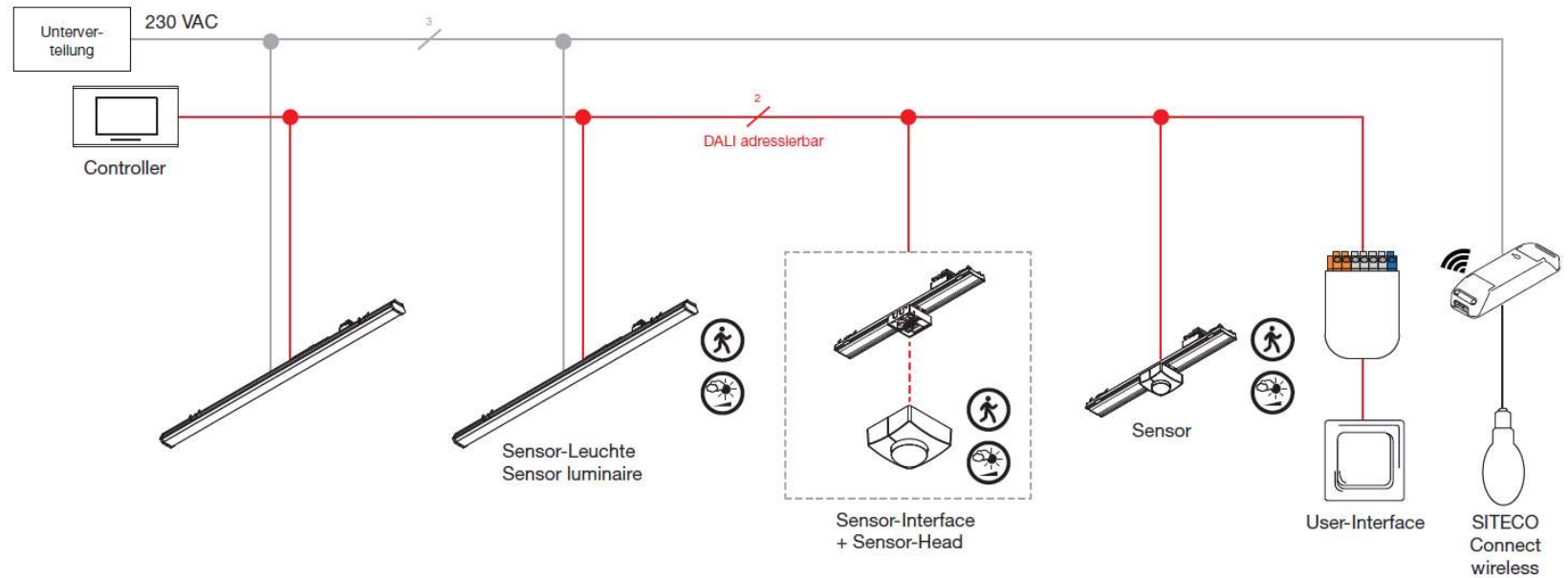


Designation	MH	R	T
PC5 (Relux-Article-#010577)	14m	16,3m	40m
	12m	16,3m	40m
	10m	15,6m	40m
	8m	14,3m	40m
	6m	12,0m	40m
	4m	10,0m	40m



5.1 Shipping areas (Mh 4...14m) central control

Siteco Connect 11



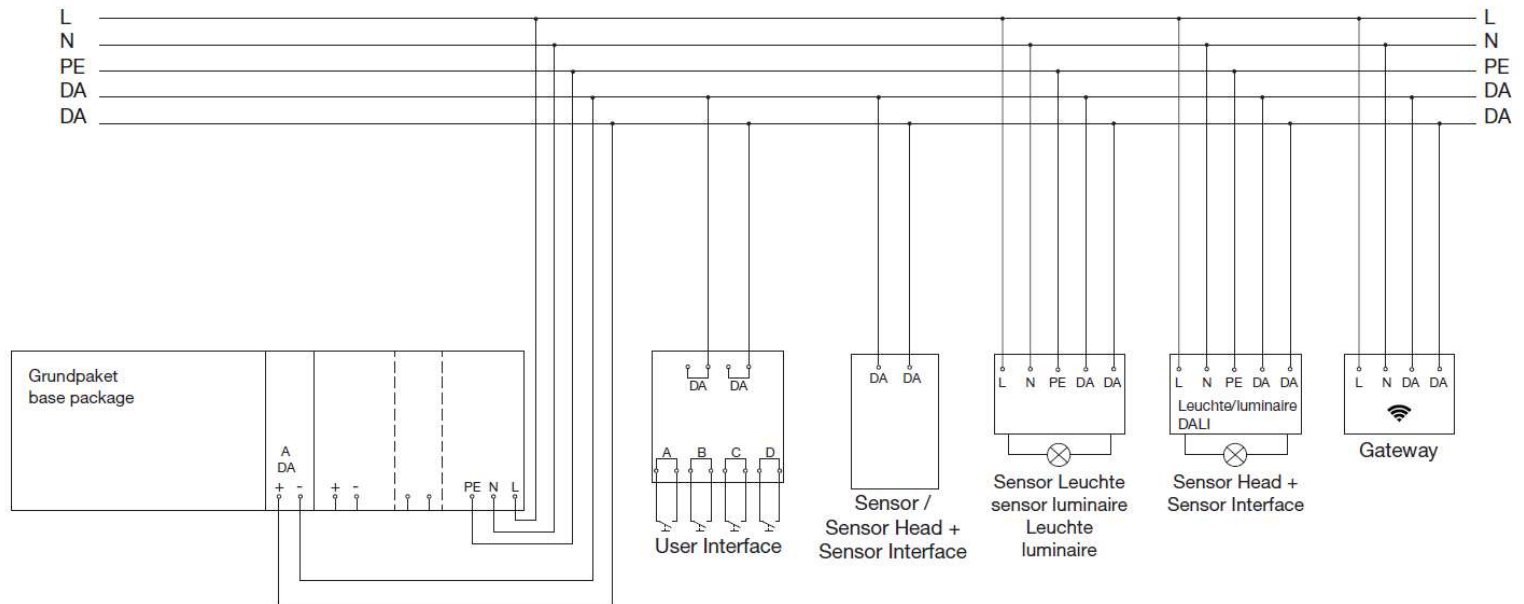
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5.1 Shipping areas (Mh 4...14m) central control

Stromlaufplan/wiring diagram

SITECO Connect 11



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