

siteco

# SITECO Connect




Application possibilities magazine and corridor

Copyright 2020 by SITECO



SITECO\_Connect\_appl. ex\_2-2-2.3\_magazine\_corridor\_V4. EN\_2022-02-16\_H.K.C.R.V.

# Magazine and corridor

Possible applications			
Application	Magazine and corridor		
<b>Control</b>	local control SITECO Connect	central control SITECO Connect 22	central control SITECO Connect 11
	Example 2.3	Example 2.2	Example 2.1
<b>Luminaire</b>	Licross ® trunking	Licross ® trunking	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			
Link to	Page 3	Page 7	Page 11



### Example 2.3

Magazine and  
corridor

Licross ® trunking

local control

## 2.3 Magazine and corridor

(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



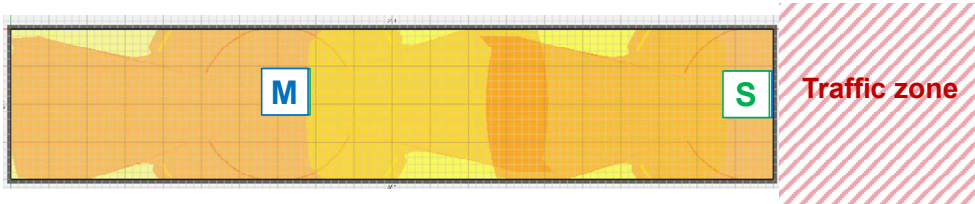
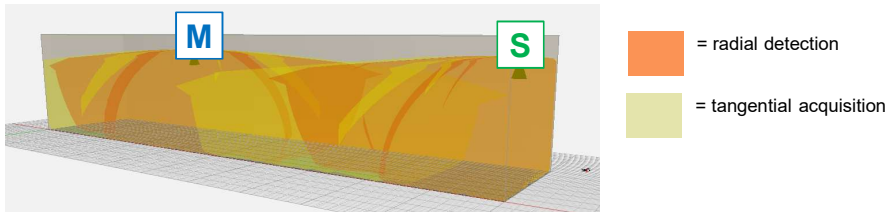
**Future-proof** through the use of open Standards



## 2.3 Magazine and corridor

(local control)

**Example** (LPH = 3,5m, length = 20m, width = 4m)



**Keep in mind when planning:**

- **S** = immediate detection at entrance or entry (radial, sensor dimmed to traffic zone)
- Plan area detection with radial Capture.-area!
- **M** = Master sensor in the darkest position of the lighting group

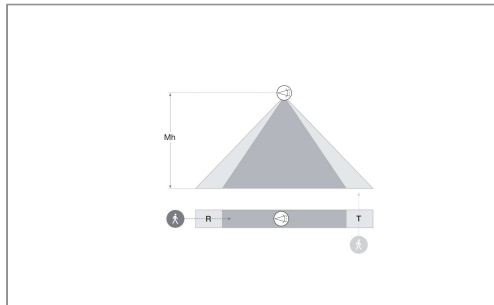
For other mounting heights please refer to Erf.-range table!

**Which products are needed?**

Designation	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface MD + Sensor Head PR1-M	Master <b>M</b>	56TL1FCMA 59US1HXMPR1A
Licross® Sensor Interface S + Sensor Head PR1-S	Slave <b>S</b>	56TL1FCSA 59US1HXSPR1A
Smart Remote	Commissioning	59UC3RCA

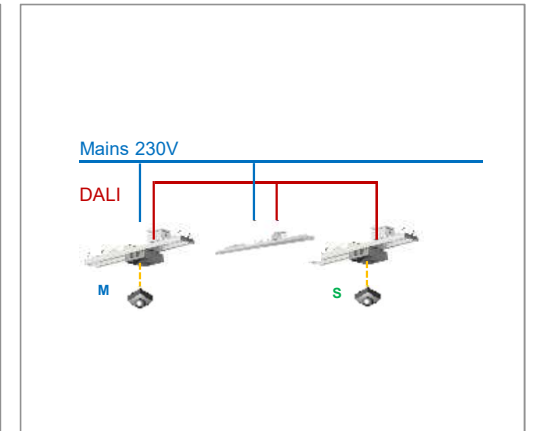
**Maximum system sizes**

# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21
# Master	1x <b>M</b>	1x <b>M</b>	1x <b>M</b>	1x <b>M</b>
# Slave	0x <b>S</b>	1x <b>S</b>	2x <b>S</b>	3x <b>S</b>



**Sensor Head**

Designation	MH	R	T
PR 1 (Relux-article-#010584)	2,5m	14x4m	20x4m
	3,5m	14x4m	20x4m

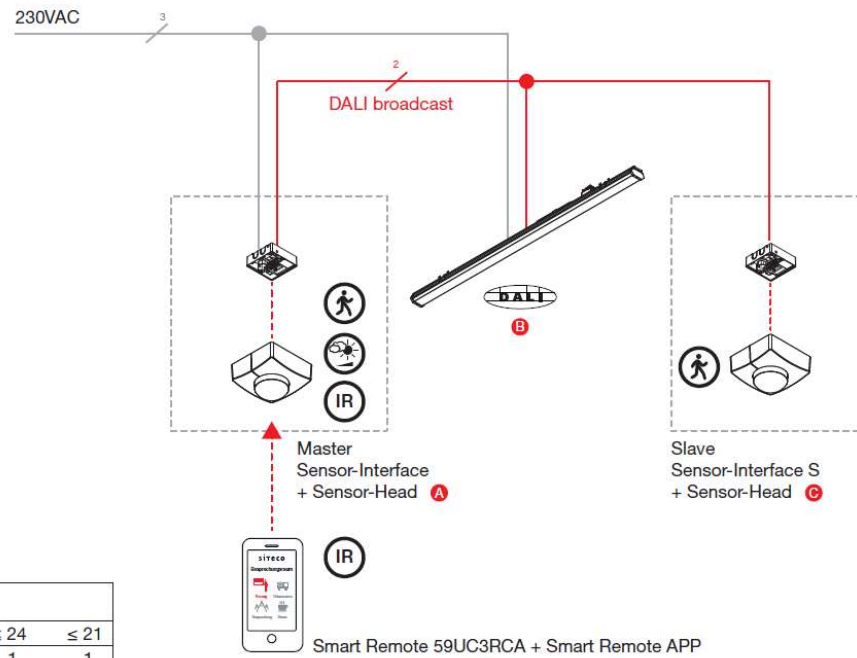


## 2.3 Magazine and corridor

(local control)

Scheme/Schemen

**Lokale Steuerung - dimmbar**  
**Locally control - dimmable**



Systemgröße/System size				
DALI-EVG (B)	≤ 30	≤ 27	≤ 24	≤ 21
Master (A)	1	1	1	1
Slave (C)	0	1	2	3

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.

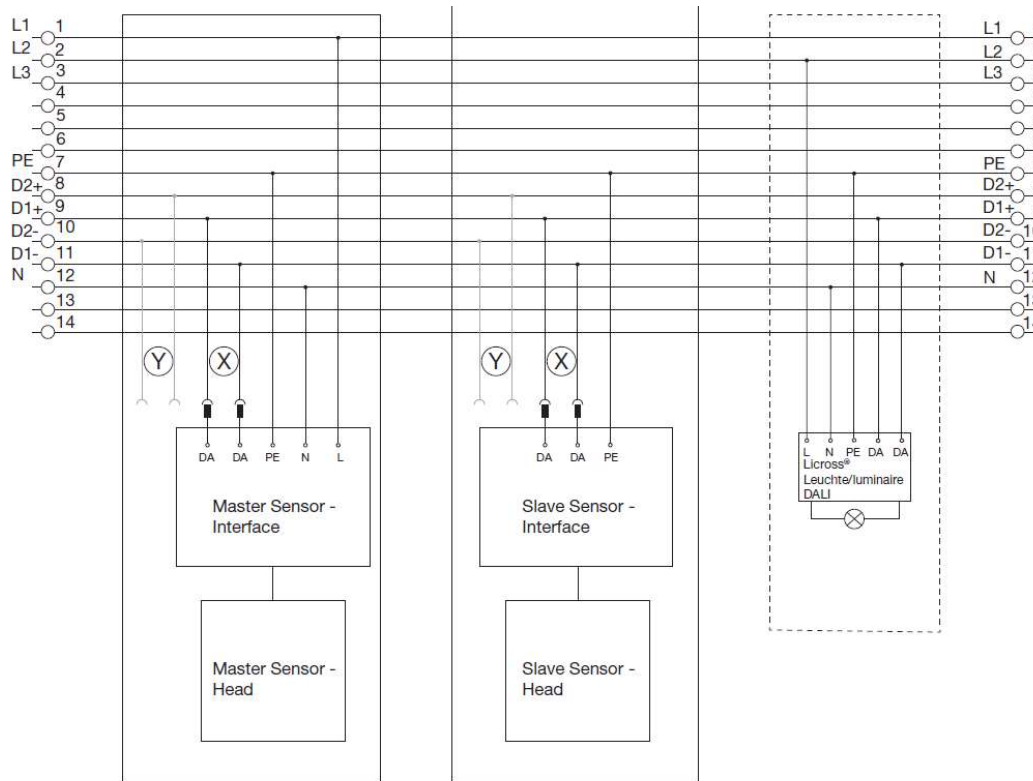
The illustration above only shows an exemplary circuit diagram of a light management system. For a specific application, individual planning (in particular line and circuit dimensions, line types, fire barriers, cable routing, etc.) a qualified personnel is essential. The SITECO GmbH assumes no liability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

# 2.3 Magazine and corridor

(local control)

Stromlaufplan/wiring diagram

**Lokale Steuerung - dimmbar**  
**Locally control - dimmable**



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.



**Example 2.2**

**Magazine and  
corridor**

**Licross ® trunking**

**central control  
SITECO Connect 22**



## 2.2 Magazine and corridor

(with SITECO Connect 22)



**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 plants



**Future-proof** through the use of open Standards



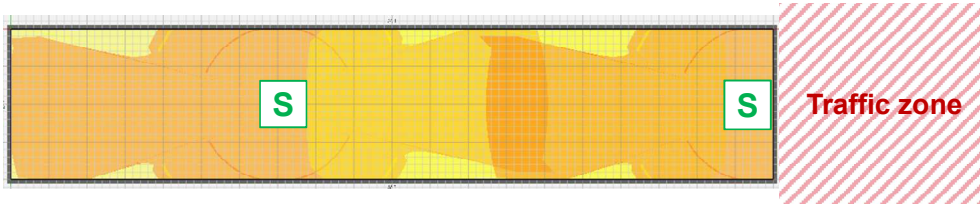
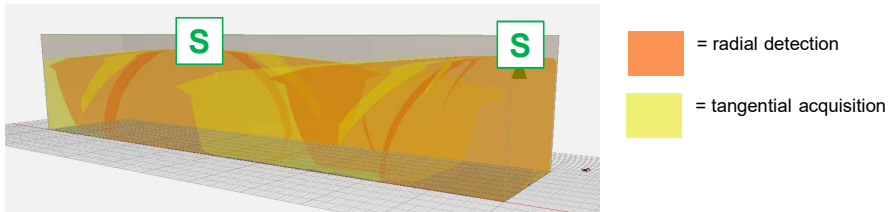
Maximum **flexibility** through individual addressing, thus adaptation to changing needs.



## 2.2 Magazine and corridor

(with SITECO Connect 22)

**Example** (LPH = 3,5m, length = 20m, width = 4m)



**Keep in mind when planning:**

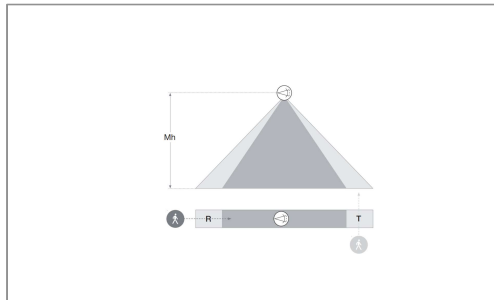
- **S** = immediate detection at entrance or entry (radial, sensor dimmed to traffic zone)
  - Plan areal detection with radial Capture.-area!
- For other mounting heights please refer to Erf.-range table!

**Which products are needed?**

Components	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface + Sensor Head PR1-S	DALI 2	56TL1FCSA 59US1HXSPR1A
SITECO Connect 22 Controller	Two DALI-lines	5LZ904712A
Push-button interface 4-fold, 4 DI	DALI 2	5LZ930303
Services		
Commissioning		after Aufwand

**SITECO Connect 22 - maximum system sizes**

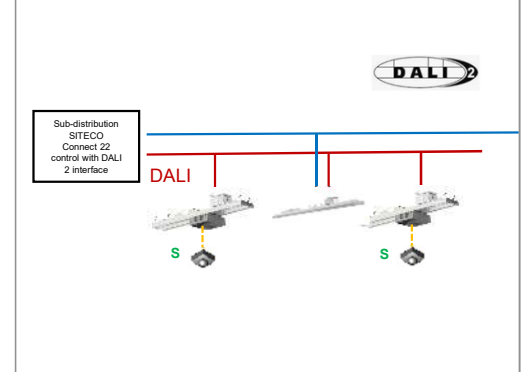
# DALI ECG	max. 64 per DALI 2 line
# Sensors	max. 64 sensor functions per DALI 2 line (Attention, observe current consumption! max. output current of the DALI control must not be exceeded!)



**Sensor Head**

Designation	MH	R	T
PR 1 (Relux-article-#010584)	2,5m	14x4m	20x4m
	3,5m	14x4m	20x4m

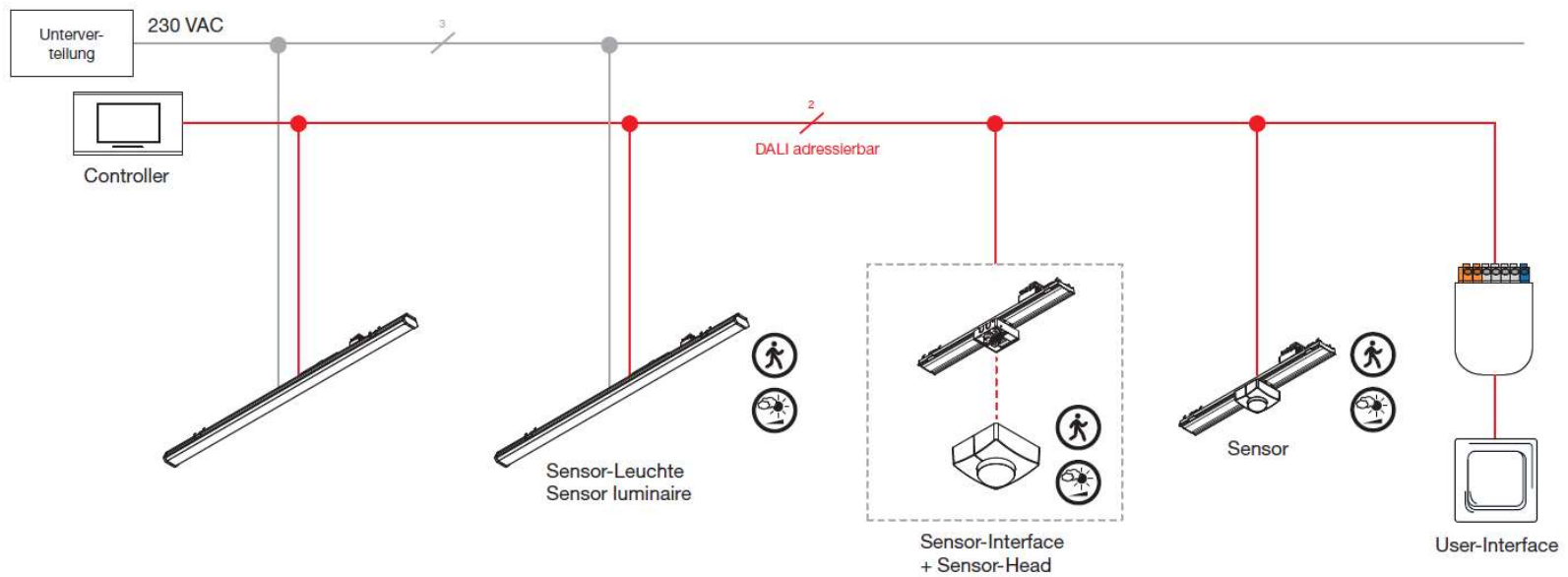
Sub-distribution  
SITECO Connect 22 control with DALI 2 interface



## 2.2 Magazine and corridor

(with SITECO Connect 22)

### 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

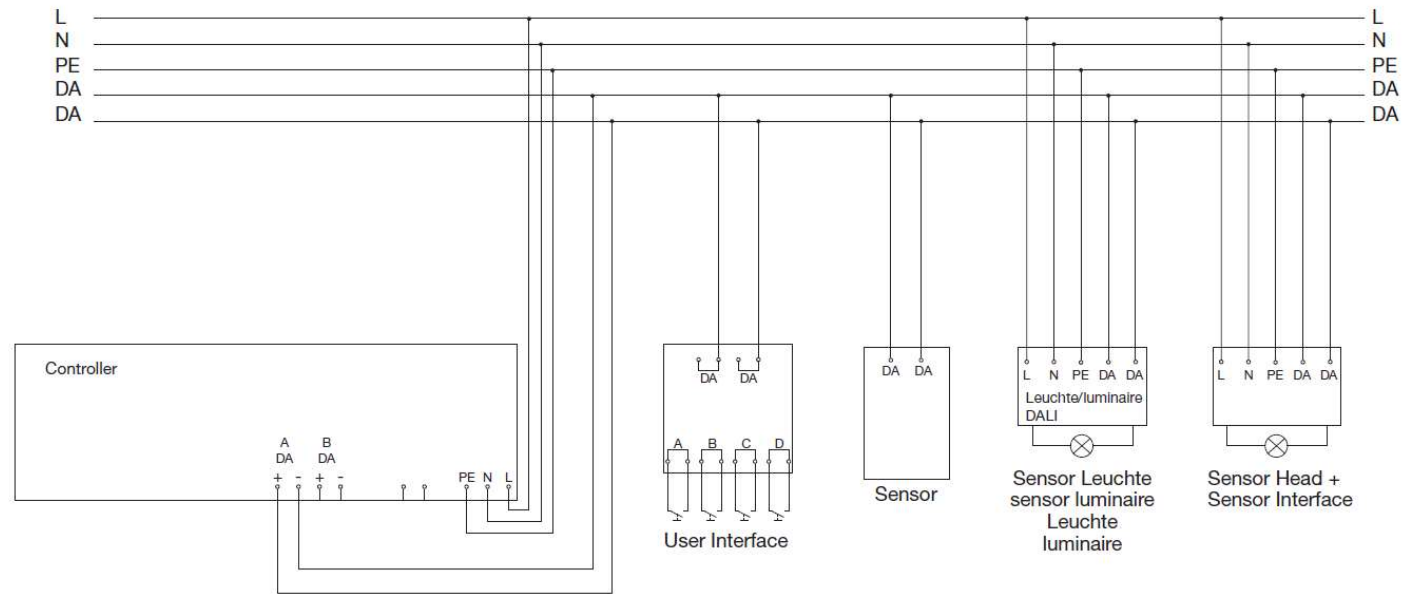
The illustration above only shows an exemplary circuit diagram of a light management system. For a specific application, individual planning (in particular line and circuit dimensions, line types, fire barriers, cable routing, etc.) a qualified personnel is essential. The SITECO GmbH assumes no liability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

# 2.2 Magazine and corridor

(with SITECO Connect 22)

Stromlaufplan/wiring diagram

## 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

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.



**Example 2.1**








**Magazine and  
corridor**

**Licross ® trunking**

**central control  
SITECO Connect 11**

## 2.1 Magazine and corridor

(with SITECO Connect 11)

- 
**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.

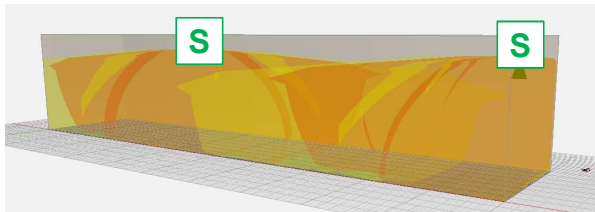
Copyright 2020 by SITECO



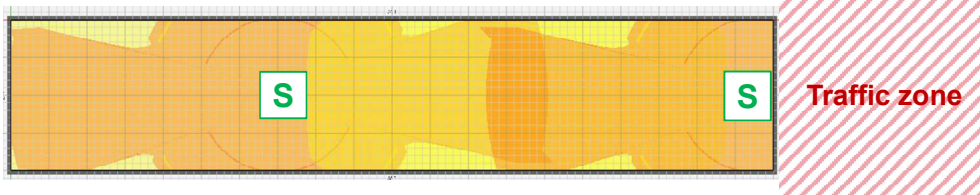
# 2.1 Magazine and corridor

(with SITECO Connect 11)

**Example** (LPH = 3,5m, length = 20m, width = 4m)



■ = radial detection  
■ = tangential acquisition



**Keep in mind when planning:**

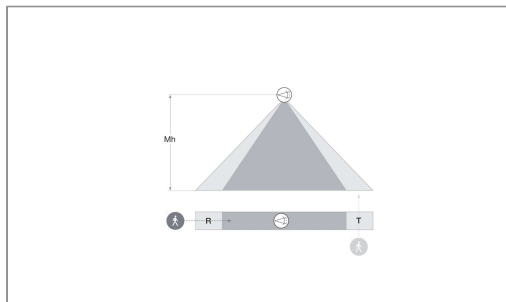
- **S** = immediate detection at entrance or entry (radial, sensor dimmed to traffic zone)
  - Plan areal detection with radial Capture.-area!
- For other mounting heights please refer to Erf.-range table!

**Which products are needed?**

Components	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® Sensor Interface + Sensor Head PR1-S	DALI 2	56TL1FCSA 59US1HXSPR1A
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 rails PC	S/D (1-12 DALI lines) M/D (1-18 DALI lines)	5LZ930100 5LZ930102
Push-button interface 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

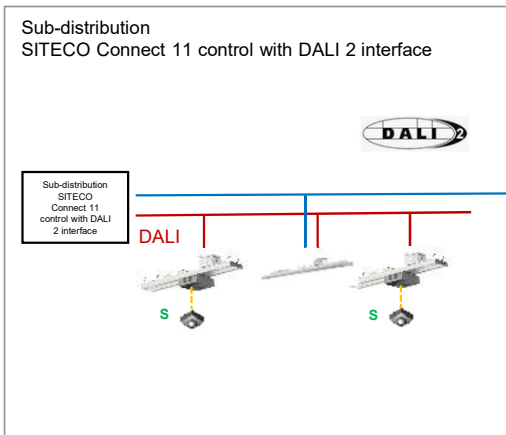
**SITECO Connect 11 - maximum system sizes**

# 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!)



**Sensor Head**

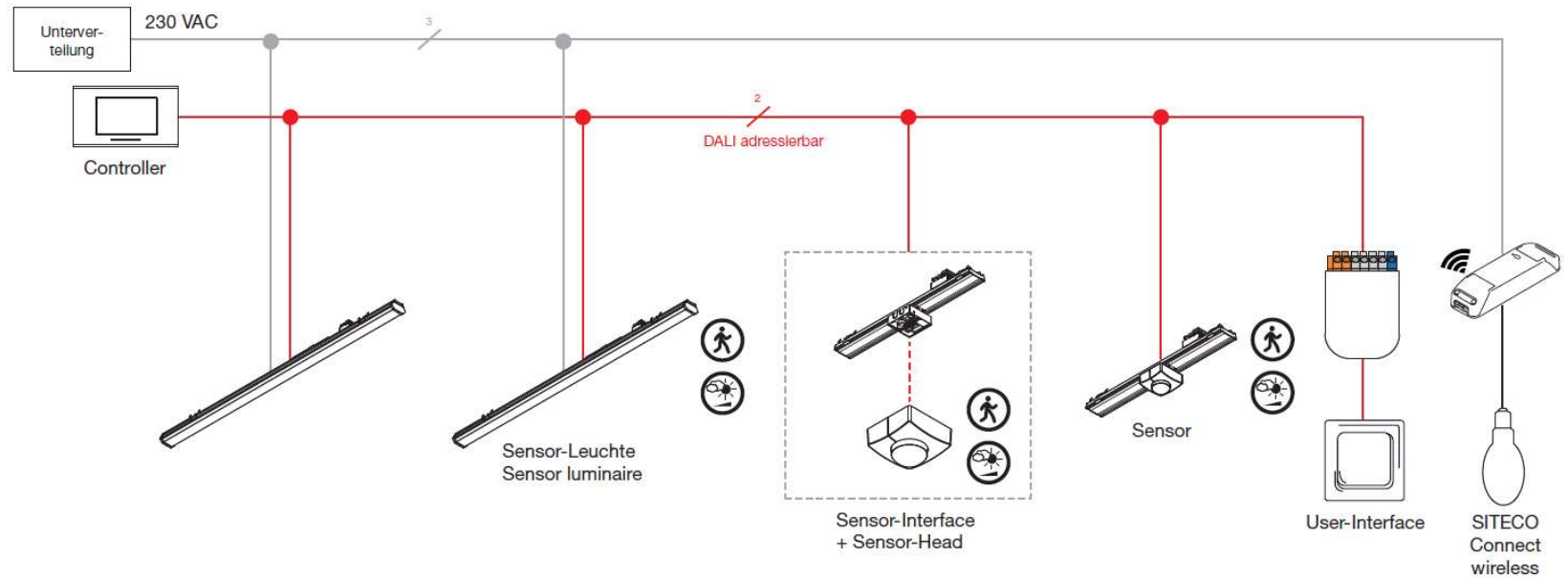
Designation	MH	R	T
PR 1 (Relux-article-#010584)	2,5m	14x4m	20x4m
	3,5m	14x4m	20x4m



# 2.1 Magazine and corridor

(with SITECO Connect 11)

## Siteco Connect 11



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.

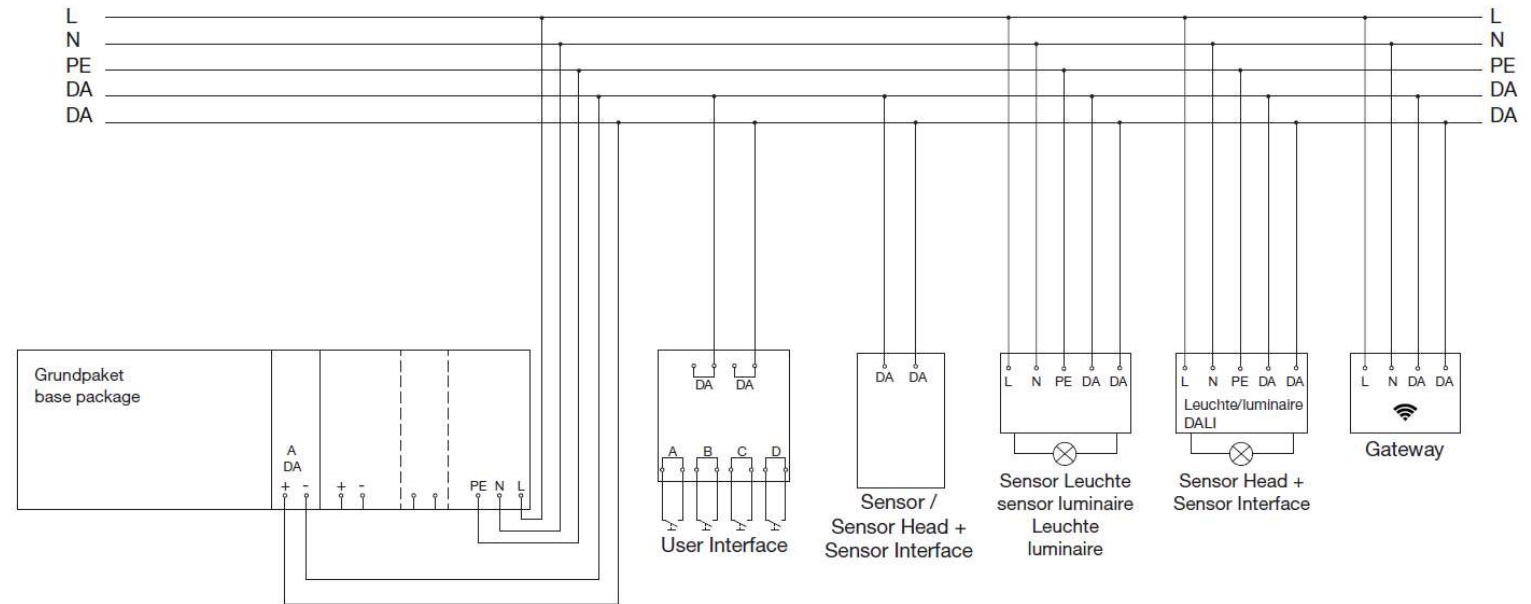


# 2.1 Magazine and corridor

(with SITECO Connect 11)

Stromlaufplan/wiring diagram

## SITECO Connect 11



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.