

siteco

# SITECO Connect

Possible applications  
in the parking garage

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# Parking garage (Sensor HC1 integrated in luminaire)

Possible applications			
Application	Parking garage (sensor HC1 integrated in luminaire )		
Control	Local control SITECO Connect	central control SITECO Connect 22	central control SITECO Connect 11
Luminaire	Monsun® 12/22 parking Sensor HC1 Example 7.3 	Monsun® 12/22 parking Sensor HC1 Example 7.2 	Monsun® 12/22 parking Sensor HC1 Example 7.3 
Basic energy-saving function			
Daylight Threshold & Motion Detection	•	•	•
Manual control		•	•
Basic lighting in absence	•	•	•
Additional functions			
Flexible grouping		•	•
Maintenance 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 7.3**

**Parking garage**

**Monsoon® 12  
Sensor HC1**

**Local control**

## 7.3 Parking garage

(Sensor HC1 integrated in luminaire)



**Efficiency** through integrated energy-saving basic functions



**Safety** through sensors with high detection quality



**Simplicity** through minimized cabling and commissioning effort



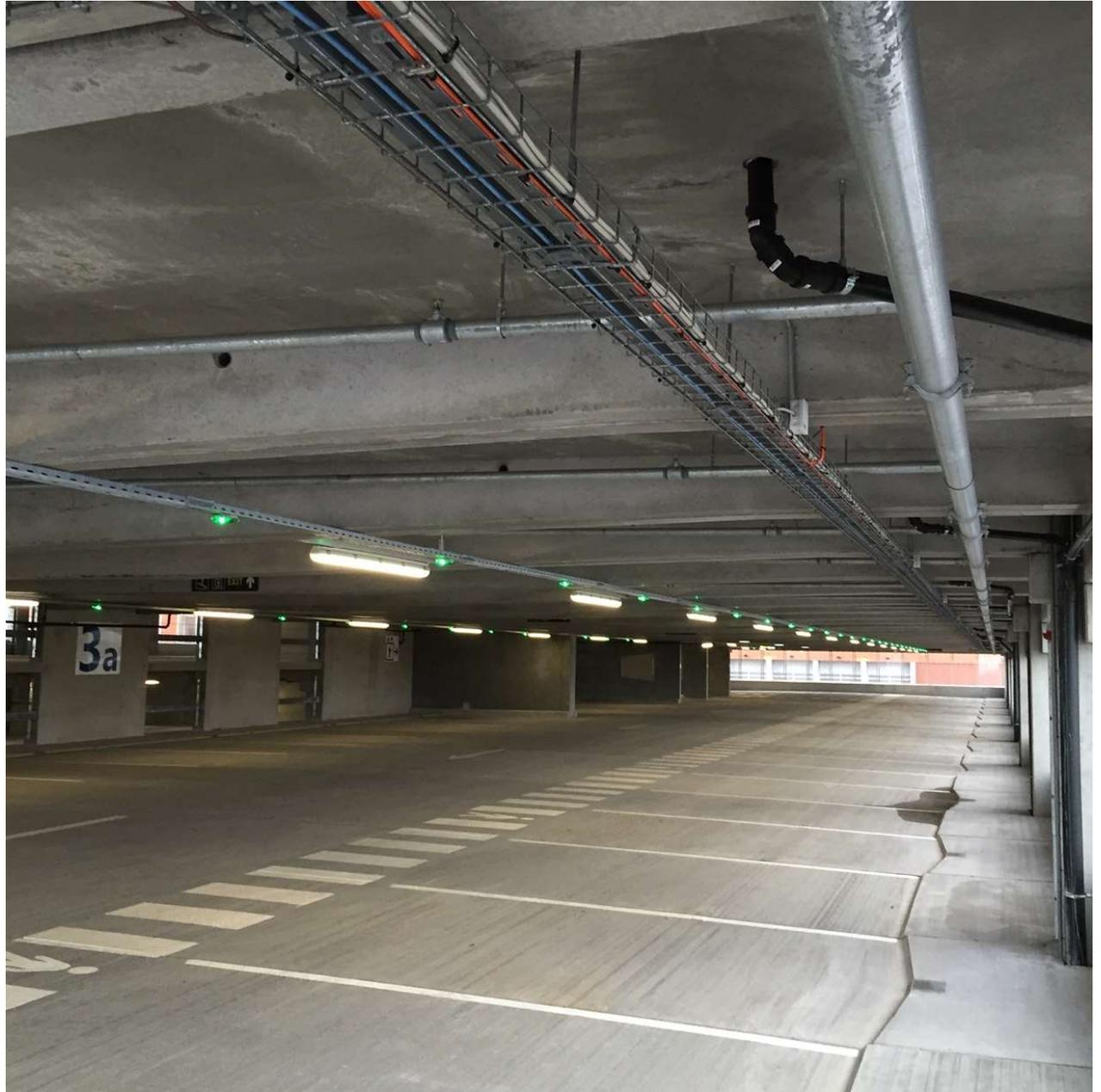
**Modularity** and **freedom** in planning thanks to the Licross® family concept



**Retrofittability** through modular sensor interfaces in existing plants



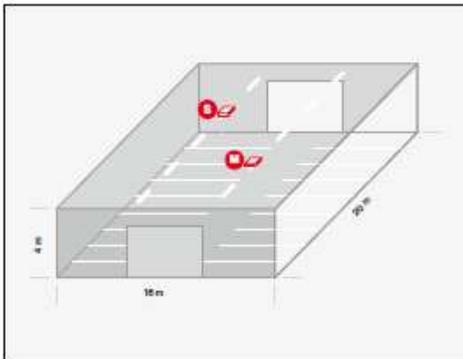
**Future-proof** by using open Standards



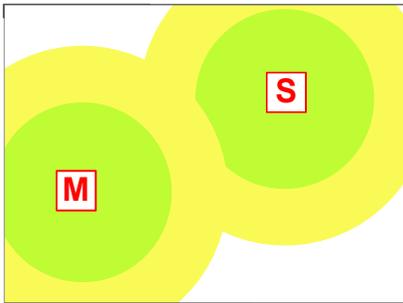
# 7.3 Parking garage

(HC1 sensor integrated in luminaire)

**Example** (LPH = 2,4m, length = 22m, width = 16m)



■ = radial acquisition  
■ = tangential acquisition



**Keep in mind when planning:**

- **M / S** = on receipt or entry immediate Detection (radial, sensor to entry area dimmed)
- Upon entrance or entry immediate radial Ensure detection ( Ø = 16.3m)
- For open space tangential detection ensure ( Ø = 40m)

**Which products are needed?**

Designation	Function	Order no.
Monsoon® 12 DALI		specific
Monsun® 12 DALI, master, sensor HC1-M	Master <b>M</b>	51FG20DP440HHD
Monsun® 12 DALI, Slave, Sensor HC1-S	Slave <b>S</b>	51FG20DP440HHC
Commissioning remote control		5LZ904307

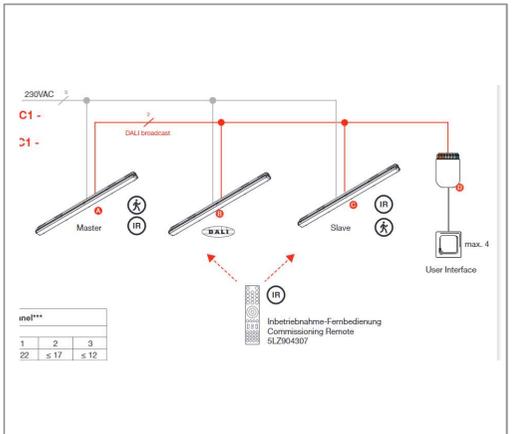
**Maximum system sizes**

# DALI ECG	Max. 32	Max. 27	Max. 22	Max. 17
# 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 HC1**

Designation	MH	R	T
HC1	2,4m	r = 5m	r = approx. 8m



## 7.3 Parking garage (HC1 sensor integrated in luminaire)

### Commissioning

only possible via interface MD (with sensor heads).

### Inventory function (optional)

S1 opened: Motion sensor deactivated

S1 closed: Motion sensor activated

### Note

The contents shown in the document only represent the exemplary system structure. The standard installation plan is part of the work and assembly planning, but does not replace the detailed planning of the installing contractor. All line and circuit dimensioning, types of lines, fire protection, routing, etc. must be planned individually by the installer.

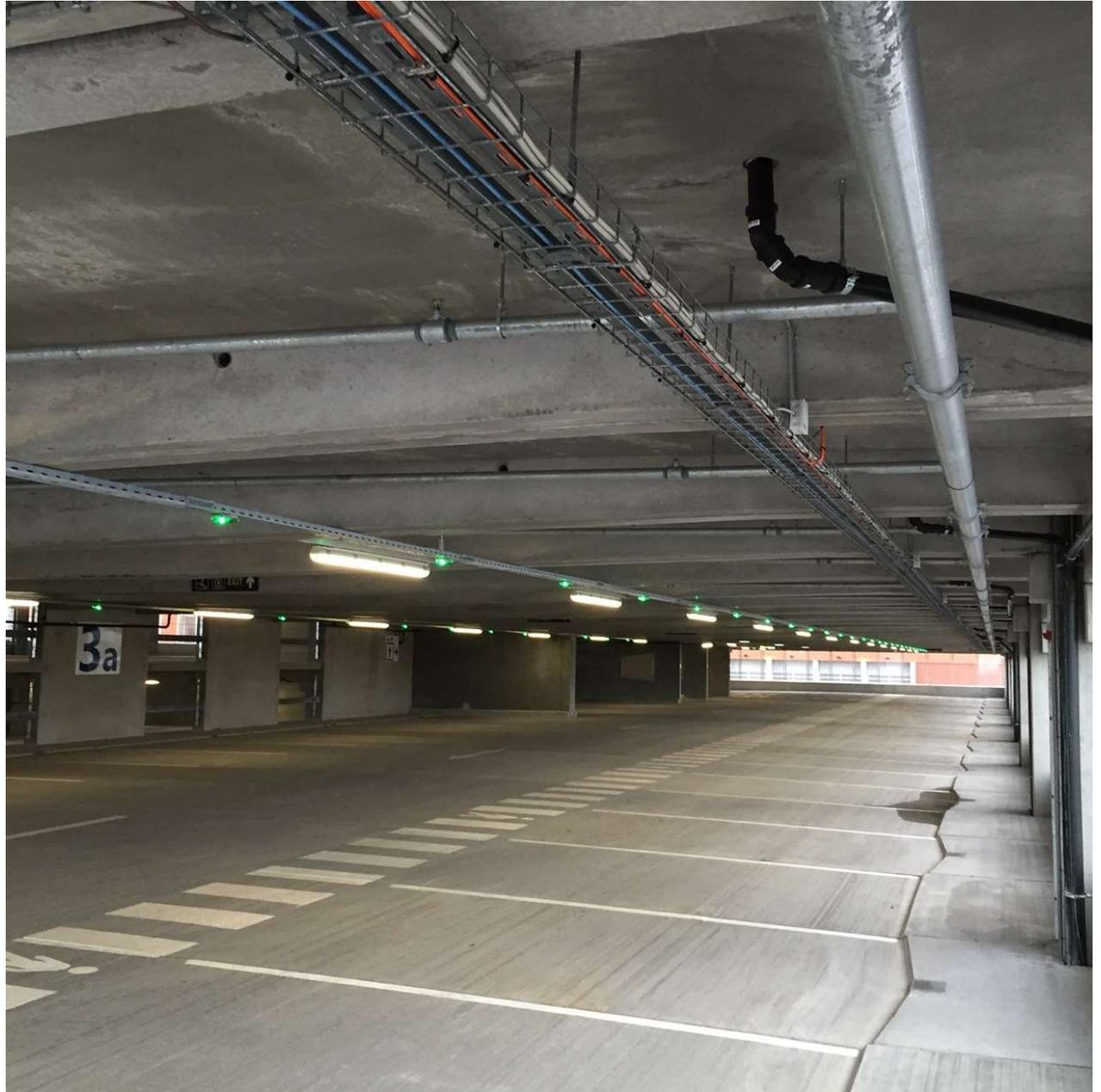


**Example 7.2**  
**Parking garage**  
**Monsoon® 12**  
**Sensor HC1**  
**central control**  
**SITECO Connect 22**

## 7.2 Parking garage

(Sensor HC1 integrated in luminaire)

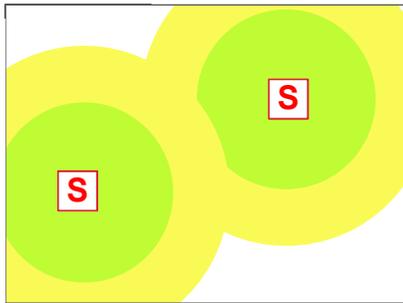
- ▶ **Efficiency** through integrated energy-saving basic functions
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity** and **freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofittability** through modular sensor interfaces in existing plants
- ▶ **Future-proof**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



## 7.2 Parking garage

(HC1 sensor integrated in luminaire)

**Example** (LPH = 2,4m, length = 22m, width = 16m)



- = radial acquisition
- = tangential acquisition

### Which products are needed?

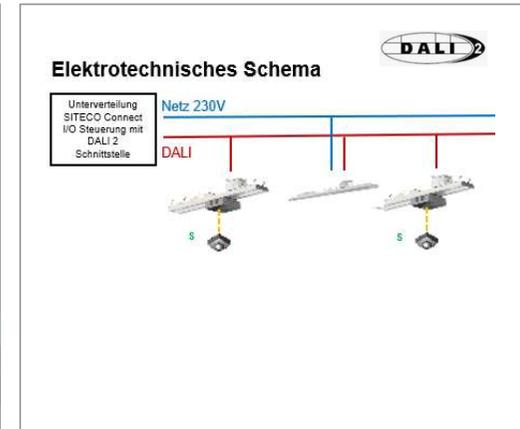
Components	Function	Order no.
Luminaire Compact Monsoon Parking DALI		specific
Monsun® 12 DALI, Slave, Sensor HC1-S	DALI 2	51FG20DP440HHC
Monsun® 12 DALI, retrofit kit HC1-S		58FSHQ1
SITECO Connect 22 Controller	<span style="border: 1px solid red; padding: 2px;">S</span> Two DALI-lines	5LZ904712A
Key coupler 4-fold, 4 DI	DALI 2	5LZ904731A
Commissioning remote control		5LZ904307
Services		
Commissioning		at cost

### 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!)



Sensor HC1			
Designation	MH	R	T
HC1	2,4m	r = 5mn	r = approx. 8m



## 7.2 Parking garage (HC1 sensor integrated in luminaire)

### Note

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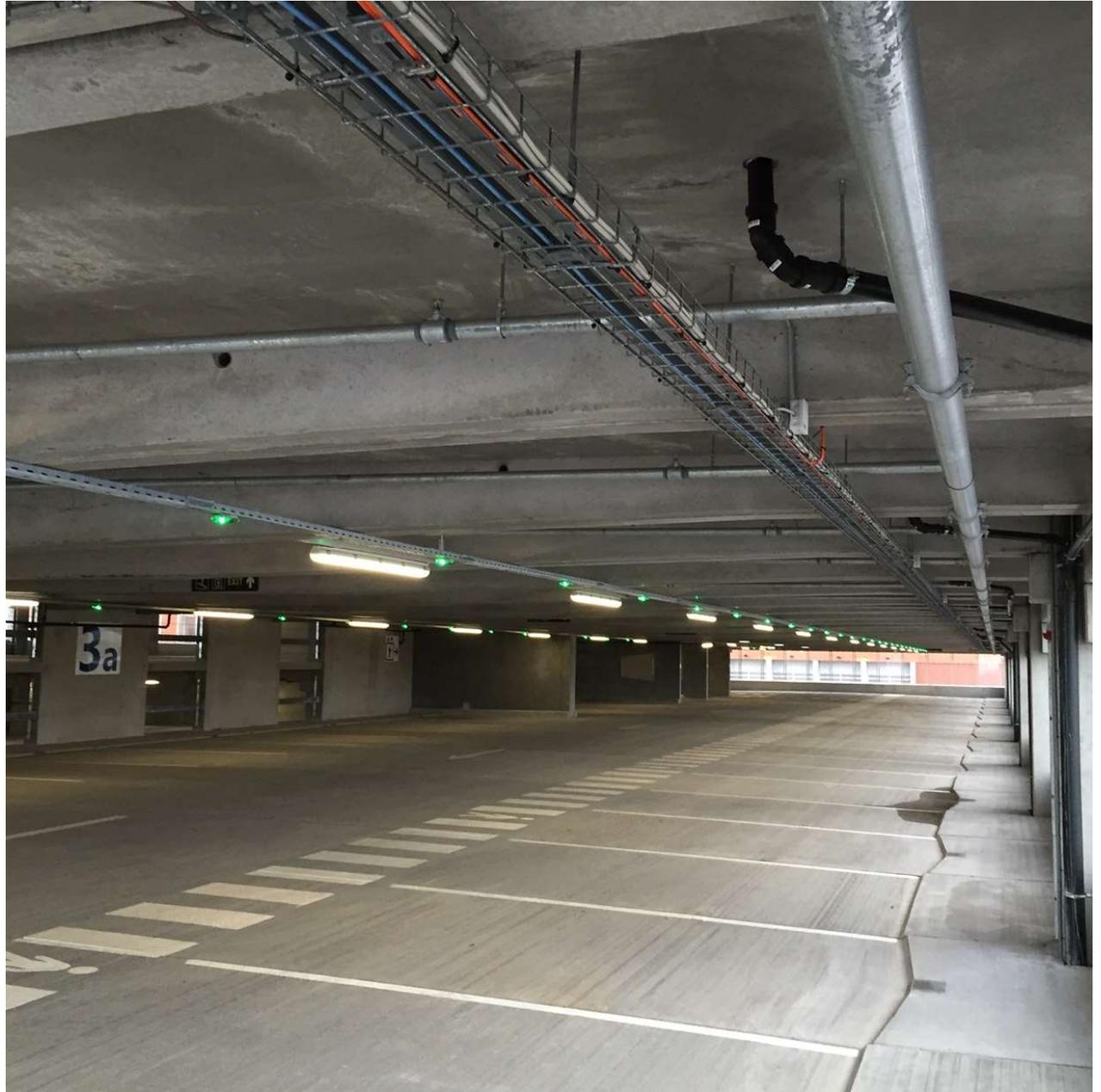
**Example 7.1**  
**Parking garage**  
**Monsoon® 12**  
**Sensor HC1**  
**central control**  
**SITECO Connect 11**

## 7.1 Parking garage

(Sensor HC1 integrated in luminaire)

- ▶ **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** by using open Standards
- ▶ Maximum **flexibility** through individual addressing, thus adapting to changing needs.
- ▶ Central control and monitoring functions enable **dashboards** on plant status.

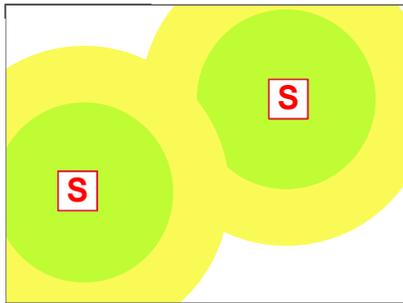
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# 7.1 Parking garage

(HC1 sensor integrated in luminaire)

**Example** (LPH = 2,4m, length = 22m, width = 16m)



- = radial acquisition
- = tangential acquisition

**Which products are needed?**

Components	Function	Order no.
Luminaire Compact Monsoon Parking DALI		specific
Monsun® 12 DALI, Slave, Sensor HC1-S Monsun® 12 DALI, retrofit kit HC1-S	DALI 2	51FG20DP440HHC 58FSHQ1
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
Key coupler 4-fold, 4 DI	DALI 2	5LZ930303
Commissioning remote control		5LZ904307

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

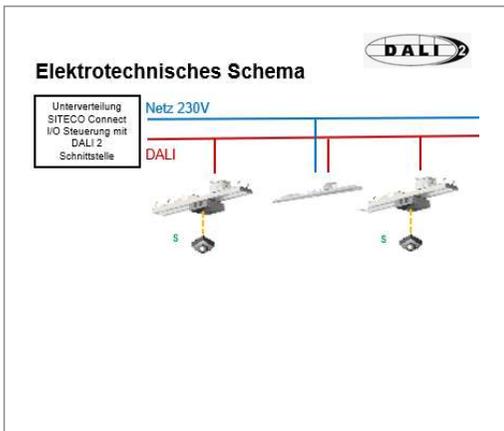
**SITECO Connect 11 - maximum system sizes**

# 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 HC1**

Designation	MH	R	T
HC1	2,4m	r = 5mn	r = approx. 8m



## 7.1 Parking garage (HC1 sensor integrated in luminaire)

### Note

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