siteco

SITECO Connect

Application scnarios in parking garages

Parking garages

Application scenarios		
Application	Parking garage	
Control system	local control	central control system
Luminaire	compact monsun 	compact monsun 
Energy saving basic function		
Daylight threshold value	●	●
Motion detection	●	●
Maintenance mode	●	●
Basic lighting during absence	●	●
Additional functions		
Flexible grouping		●
Time functions		●
energy monitoring		●
Application examples		
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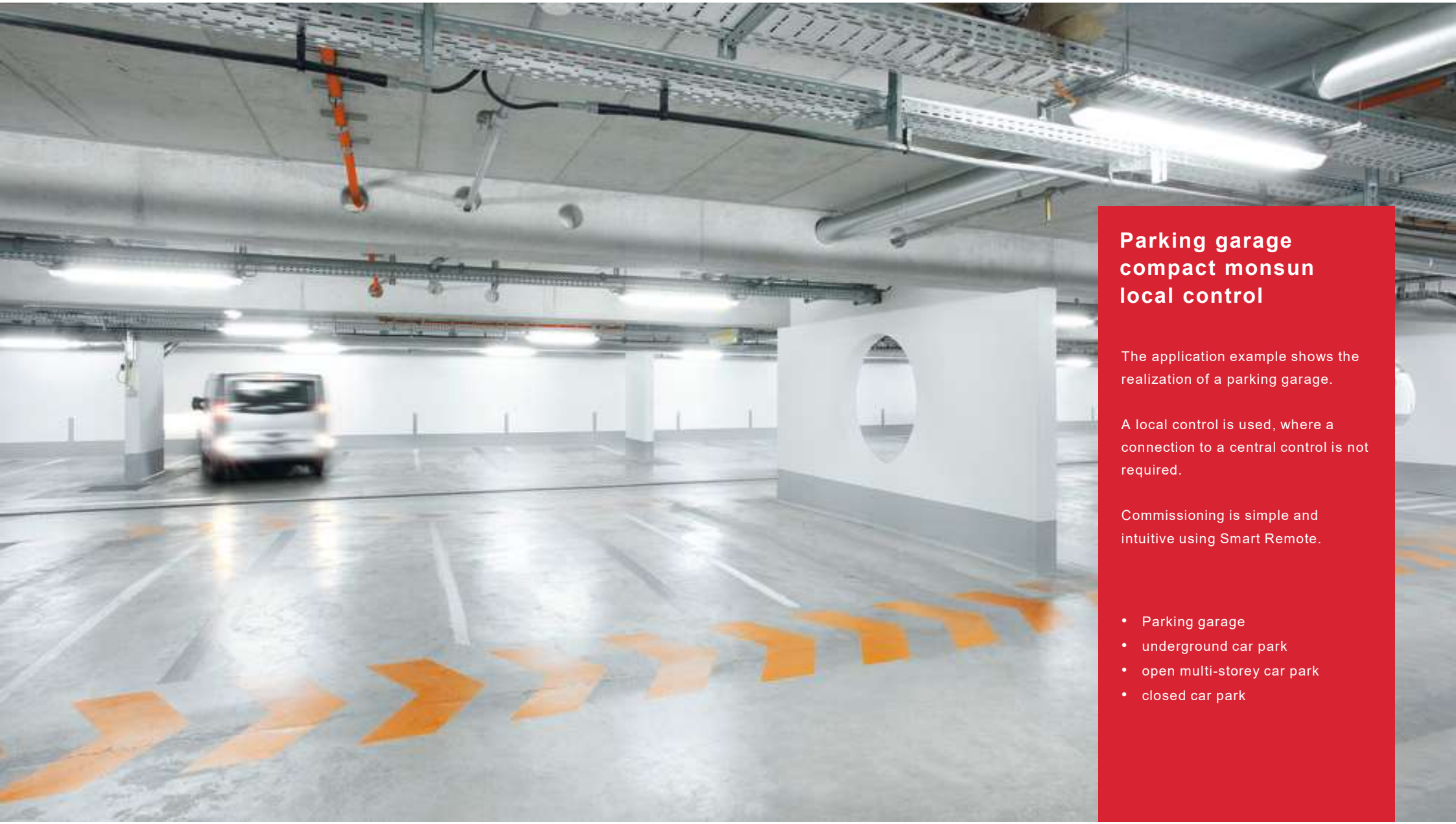


Parking garage compact monsun local control

The application example shows the realization of a parking garage.

A local control is used, where a connection to a central control is not required.

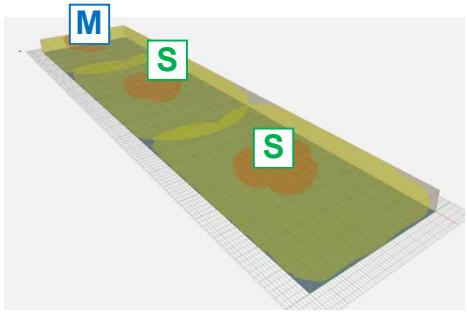
Commissioning is simple and intuitive using Smart Remote.

- Parking garage
- underground car park
- open multi-storey car park
- closed car park

Parking garage

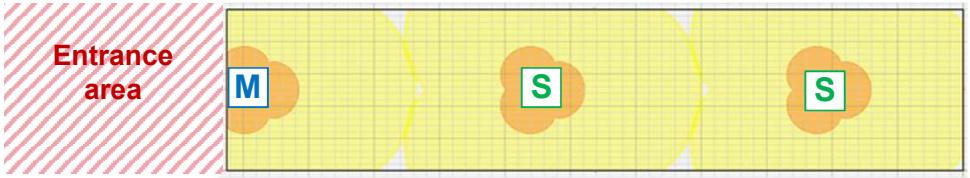
- **Efficiency** through integrated basic energy-saving functions
- **Safety** through sensors with high detection quality
- **Simplicity** through minimized cabling and commissioning effort
- **Modularity** and **freedom** in planning thanks to the Licross® family concept
- **Retrofitting** through modular sensor interfaces in existing plants
- **Future-proof** through the use of open Standards

Example parking garage (LPH = 2.2m, length = 50m, width = 16m)



= radial detection

= tangential detection



Observe during planning:

- **M** = immediate detection at entrance or driveway (radial, sensor dimmed to the driveway area)
- Ensure immediate radial detection when entering or Ø = 16.3m)
- Ensure tangential detection for open areas (Ø = 40m)
- **M** = master sensor in the darkest part of the lighting group

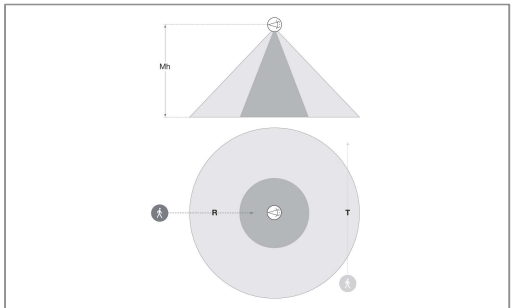
For other mounting heights, please refer to the data sheet!

Which products are required?

Designation	Function	Order no.
Compact monsun Parking DALI		specifically
Licross® ext. Sensor interface MD + Sensor Head PC1-M	Master **M**	59US1FCMA 59US1HXMPC1A
Licross® ext. Sensor Interface S + Sensor Head PC1-S	Slave **S**	59US1FCSA 59US1HXSPC1A
Smart Remote	Commissioning	59UC3RCA

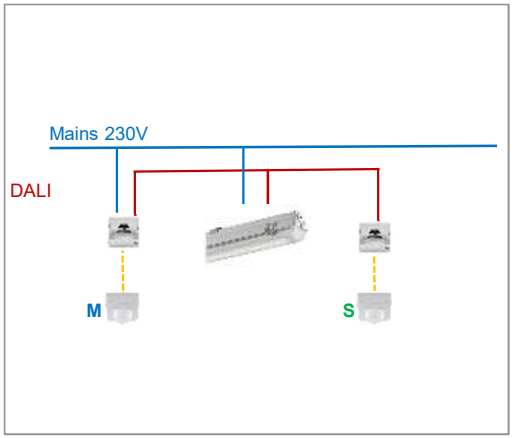
Maximum system sizes

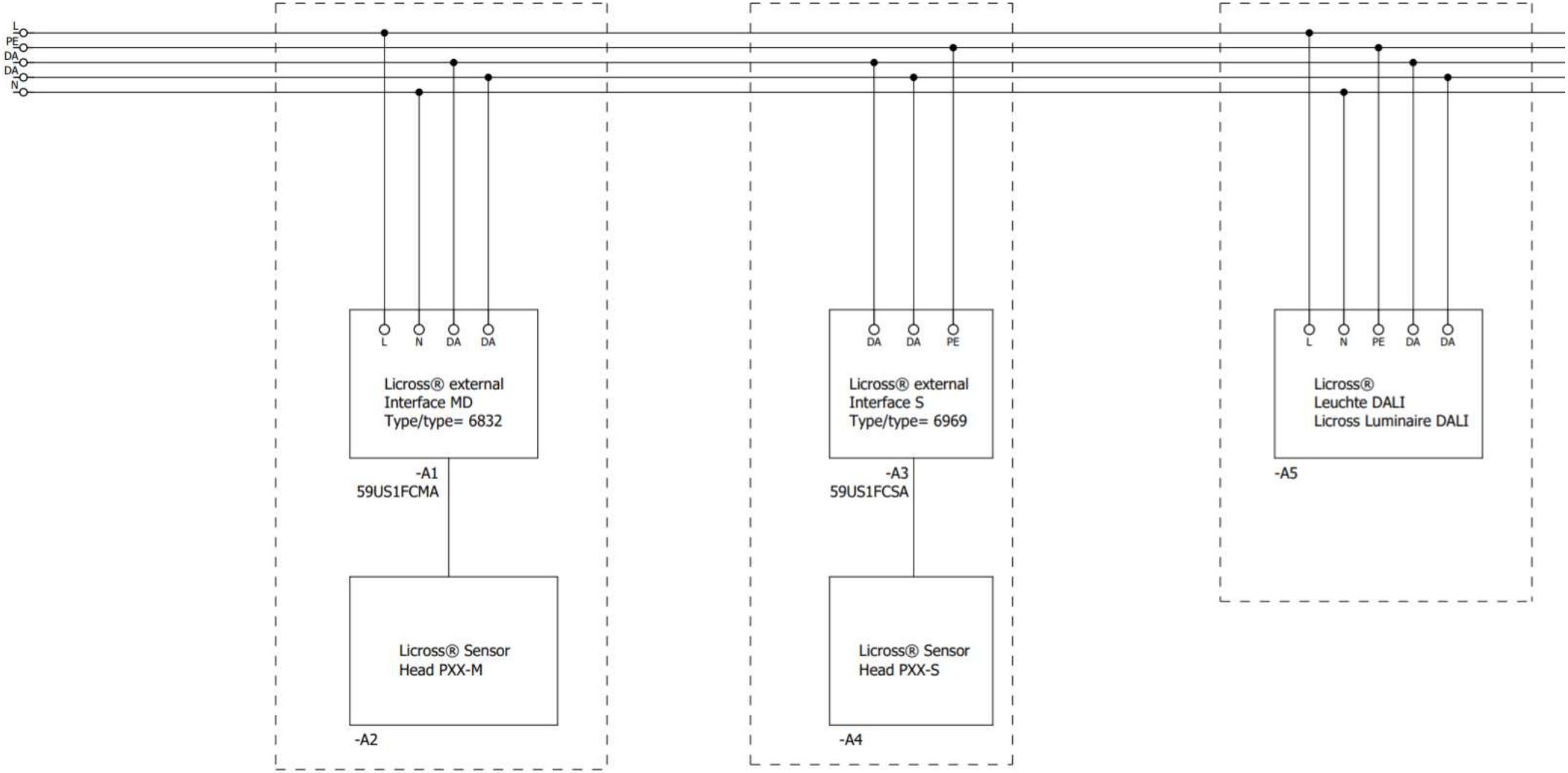
# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21
# Master	1x **M**	1x **M**	1x **M**	1x **M**
# Slave	0x **S**	1x **S**	2x **S**	3x **S**



Sensor Head

Designation	MH	R	T
PC 1 (Relux-Article-#010560)	2m	11,4m	40m
	3m	11,4m	40m





Parking garage

Commissioning

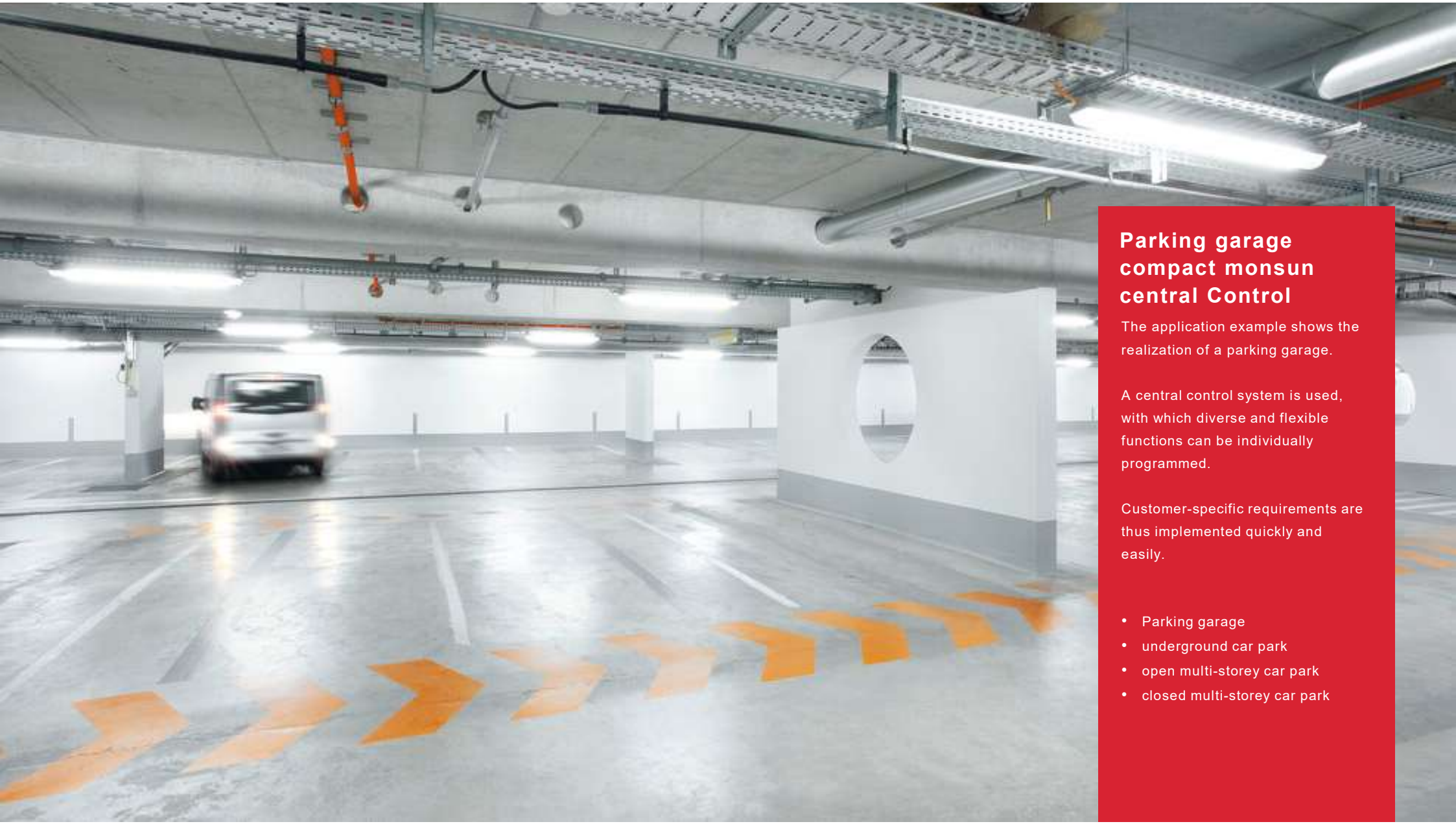
only possible via interface MD (with sensor heads).

Inventory function (optional)

S1 open: Motion sensor system deactivated
S1 closed: Motion sensor system activated

Note

The contents presented in the document are only an example of the plant design. The control installation plan is part of the factory and installation planning, but does not replace the detailed planning of the executing installer. All line and circuit dimensions, line types, fire bulkheads, routing, etc. must be planned individually by the installer.



Parking garage compact monsun central Control

The application example shows the realization of a parking garage.

A central control system is used, with which diverse and flexible functions can be individually programmed.

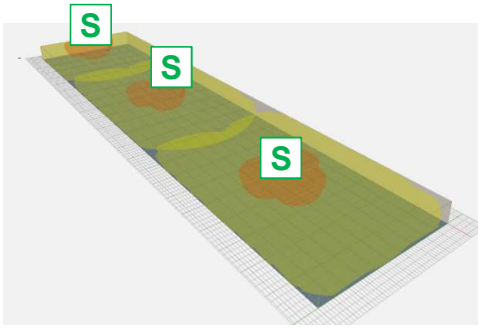
Customer-specific requirements are thus implemented quickly and easily.

- Parking garage
- underground car park
- open multi-storey car park
- closed multi-storey car park

Parking garage

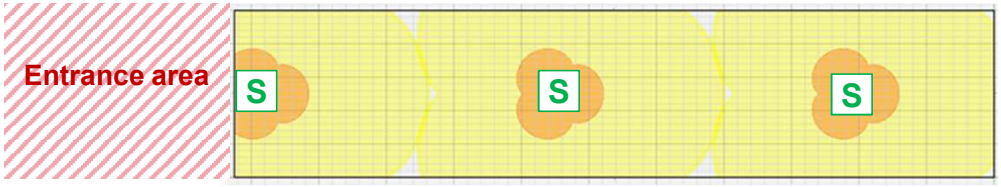
- **Efficiency** through integrated basic energy-saving functions
- **Safety** through sensors with high detection quality
- **Modularity** and **freedom** in planning thanks to the Licross® family concept
- **Retrofitting** through modular sensor interfaces in existing plants
- **Future-proof** through the use of open Standards
- Maximum **Flexibility** through individual addressing, thereby adapting to changing needs.
- Central control and monitoring functions enable **Dashboards** on the system status.

Example parking garage (LPH = 2.2m, length = 50m, width = 16m)



= radial detection

= tangential detection



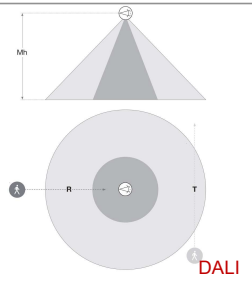
Observe during planning:

- **S** = immediate detection at entrance or driveway (radial, sensor dimmed to the entrance area)
- Ø = 16.3m)
- Ensure tangential detection for open areas (Ø = 40m)

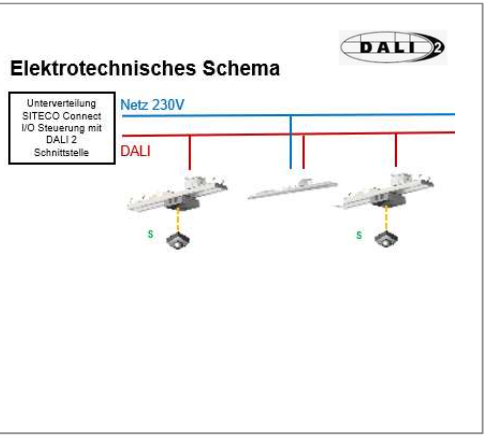
For other mounting heights, please refer to the data sheet!

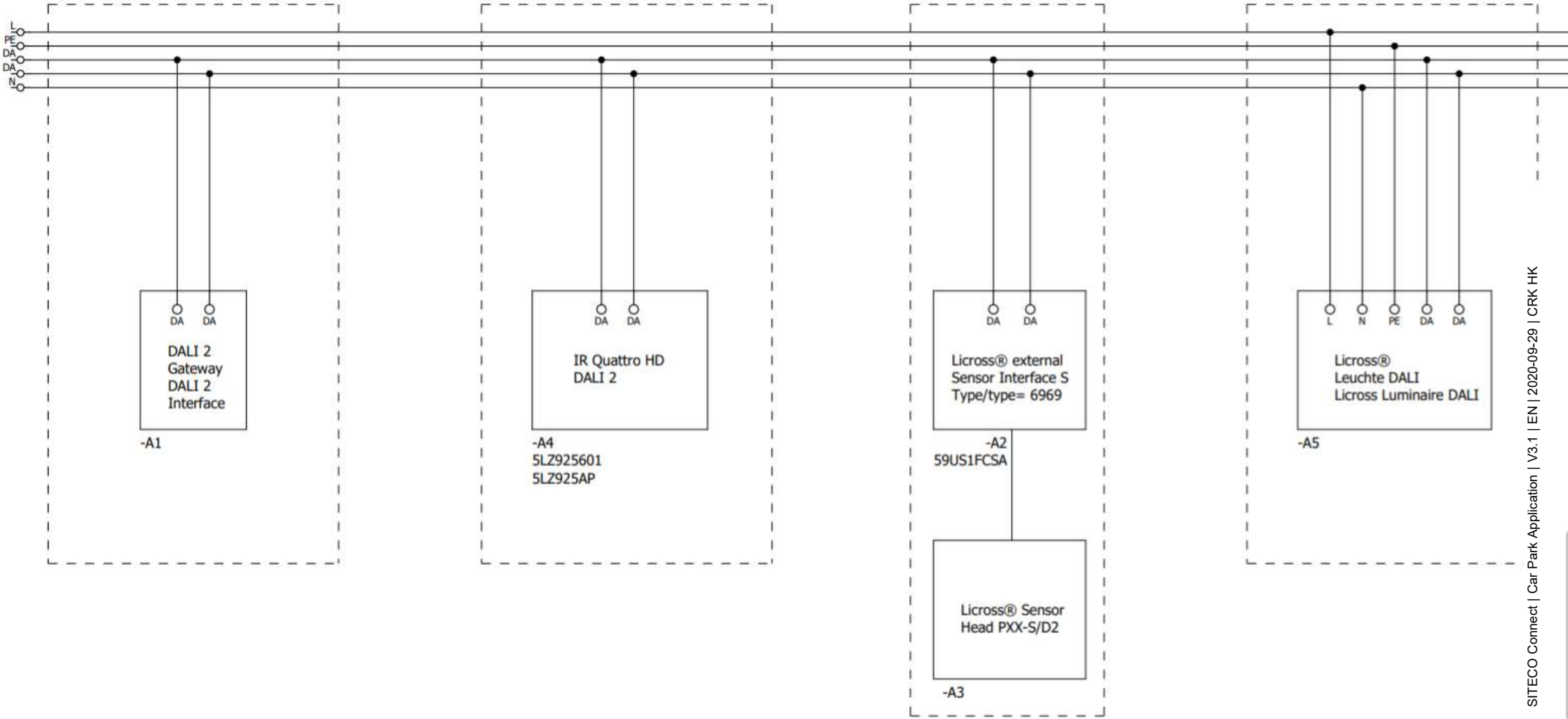
Which products are required?		
Designation	**Function**	**Order no.**
Compact monsun Parking DALI		specifically
Licross® ext. Sensor Interface S + Sensor Head PC1-S	Slave **S**	59US1FCSA 59US1HXSPC1A
SITECO Connect I/O basic package with TouchPanel	S/P (1-12 DALI lines) M/P (1-18 DALI lines)	5LZ930101 5LZ930103
SITECO Connect I/O basic package with top hat rail PC	S/D (1-12 DALI lines) M/D (1-18 DALI lines)	5LZ930100 5LZ930102

SITECO Connect I/O - maximum system sizes	
# DALI ECG	max. 63 per DALI 2 line
# Sensors	max. 30 per DALI 2 line (Attention, Please notecurrent consumption ! Max. Output current of the DALI control mustnotexceed !)



Sensor Head			
Designation	**MH**	**R**	**T**
PC 1 (Relux-Article-#010560)	2m	11,4m	40m
	3m	11,4m	40m





Parking garage

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