

siteco



SITECO Connect

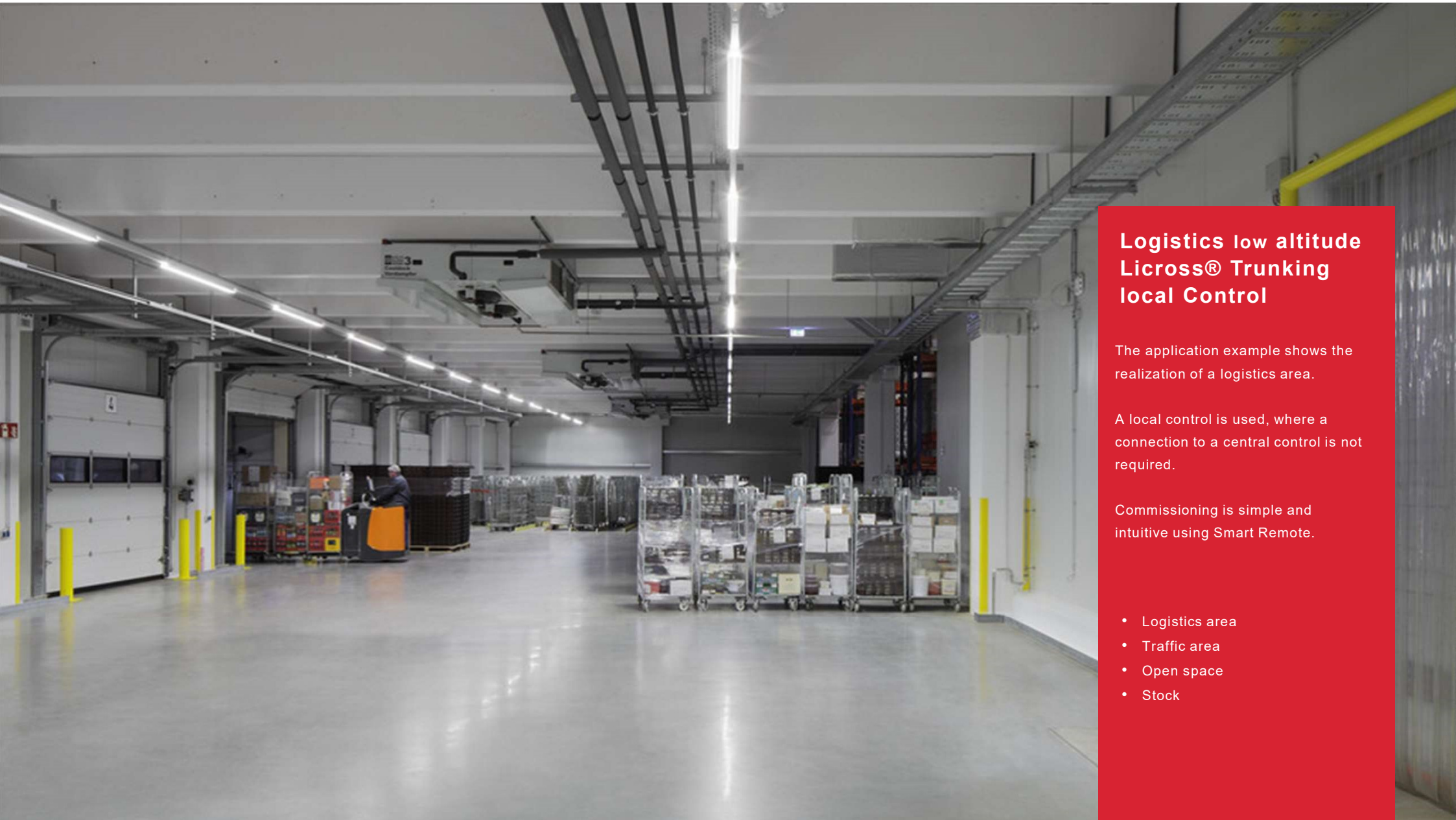
Application scenarios for logistics areas (low height)

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Logistics area low height

| Application scenarios | | |
|-------------------------------|---|---|
| Application | Logistics area low height | |
| Control system | local control | central control system |
| Luminaire | Licross ® trunking  | Licross ® trunking  |
| Energy saving basic function | | |
| Daylight threshold value | • | • |
| Daylight regulation/control | | • |
| Motion detection | • | • |
| manual controller | | • |
| Basic lighting during absence | • | • |
| Additional functions | | |
| Flexible grouping | | • |
| Time functions | | • |
| Passage lighting | | • |
| energy monitoring | | • |
| Application examples | | |
| Link to | Page 3 | Page 8 |



Logistics low altitude Licross® Trunking local Control

The application example shows the realization of a logistics area.

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

Commissioning is simple and intuitive using Smart Remote.

- Logistics area
- Traffic area
- Open space
- Stock

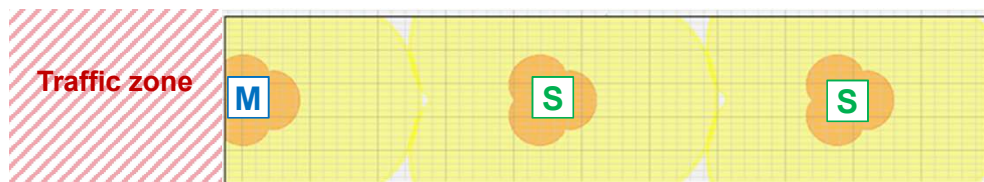
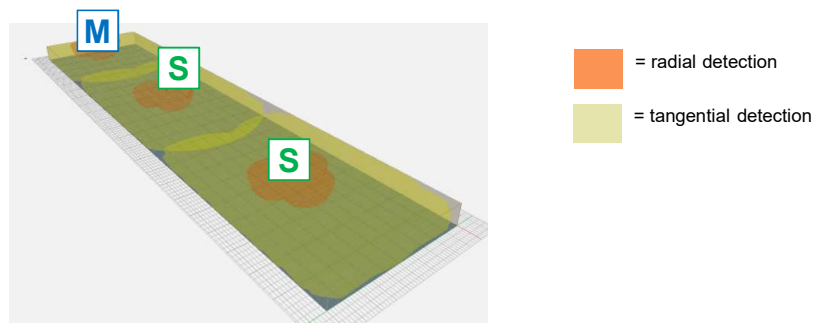
Logistics area low height

- ▶ **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



Logistics area low height

Example logistics zone (LPH = 3m, length = 90m, width = 20m)



Observe during planning:

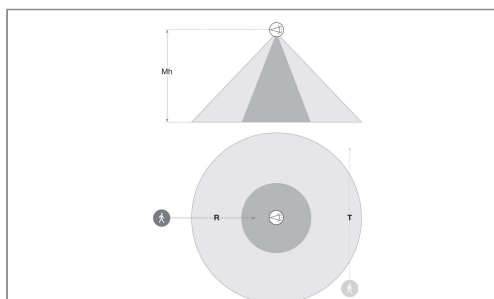
- **M** = immediate detection at entrance or driveway (radial, sensor facing the traffic zone dimmed)
 - Ensure immediate radial detection when entering or $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
 - **M** = master sensor in the darkest part of the lighting group
- For other mounting heights, please refer to the data sheet!

Which products are required?

| Designation | Function | Order no. |
|--|-----------------|---------------------------|
| Licross® DALI luminaire & rail | | specifically |
| Licross® sensor interface MD + Sensor Head PC1-M | Master M | 56TL1FCMA 59US1HXMPC1A |
| Licross® sensor interface S + Sensor Head PC1-S | Slave S | 56TL1FCSA 59US1HXSPC1A |
| Smart Remote | Commissioning | 59UC3RCA |

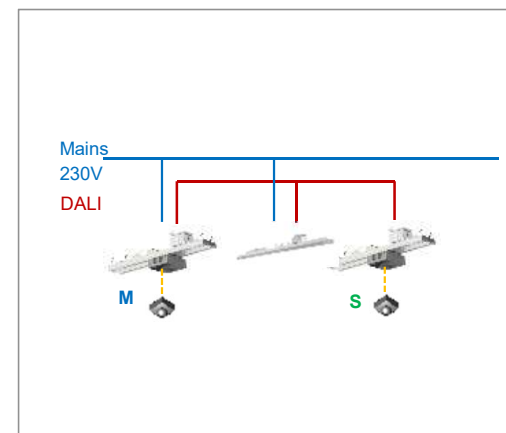
Maximum system sizes

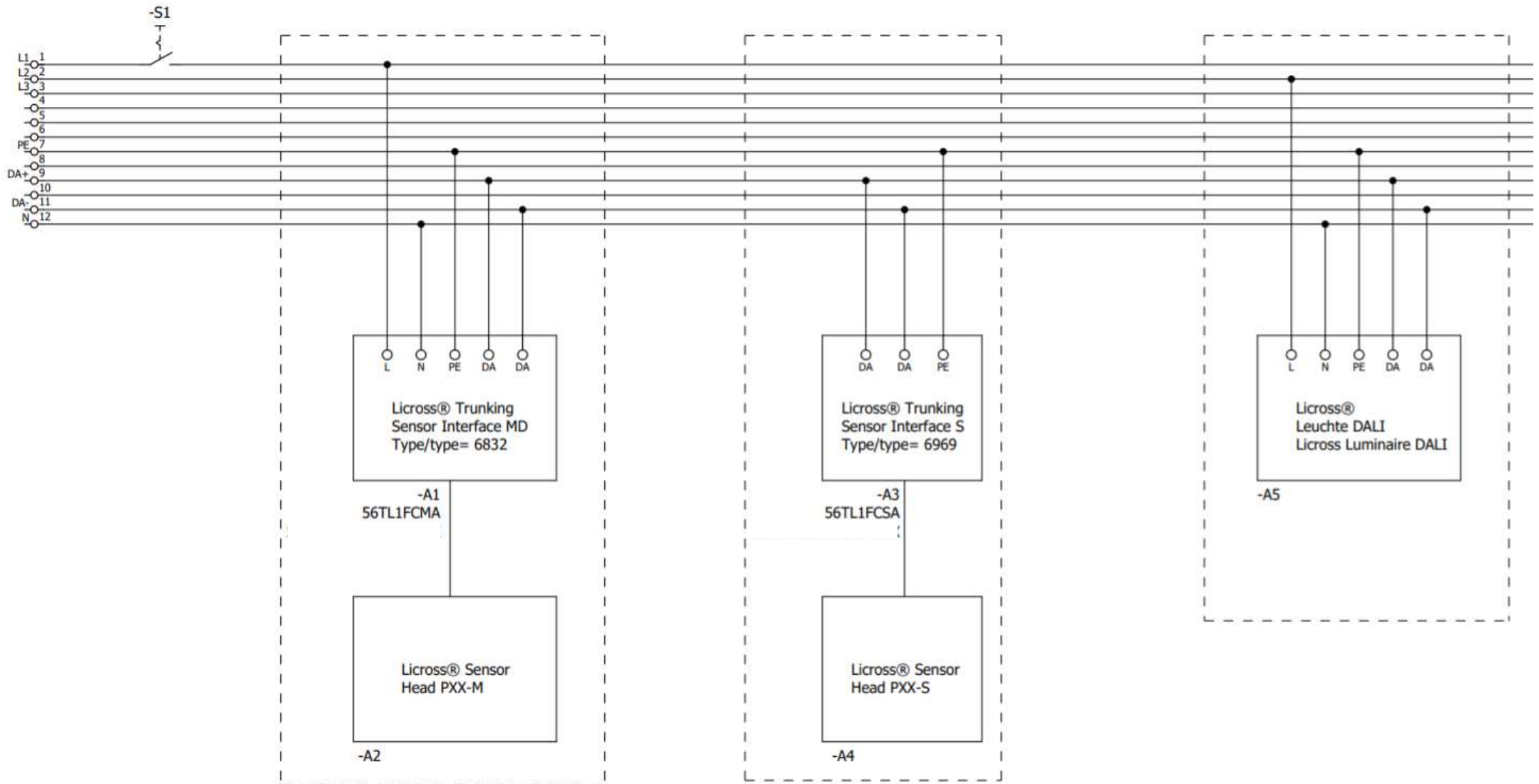
| # DALI ECG | Max. 30 | Max. 27 | Max. 24 | Max. 21 |
|------------|-------------|-------------|-------------|-------------|
| # Master | 1x M | 1x M | 1x M | 1x M |
| # Slave | 0x S | 1x S | 2x S | 3x S |



Sensor Head

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





Logistics area low height

Commissioning

only possible via interface MD (with sensor heads).

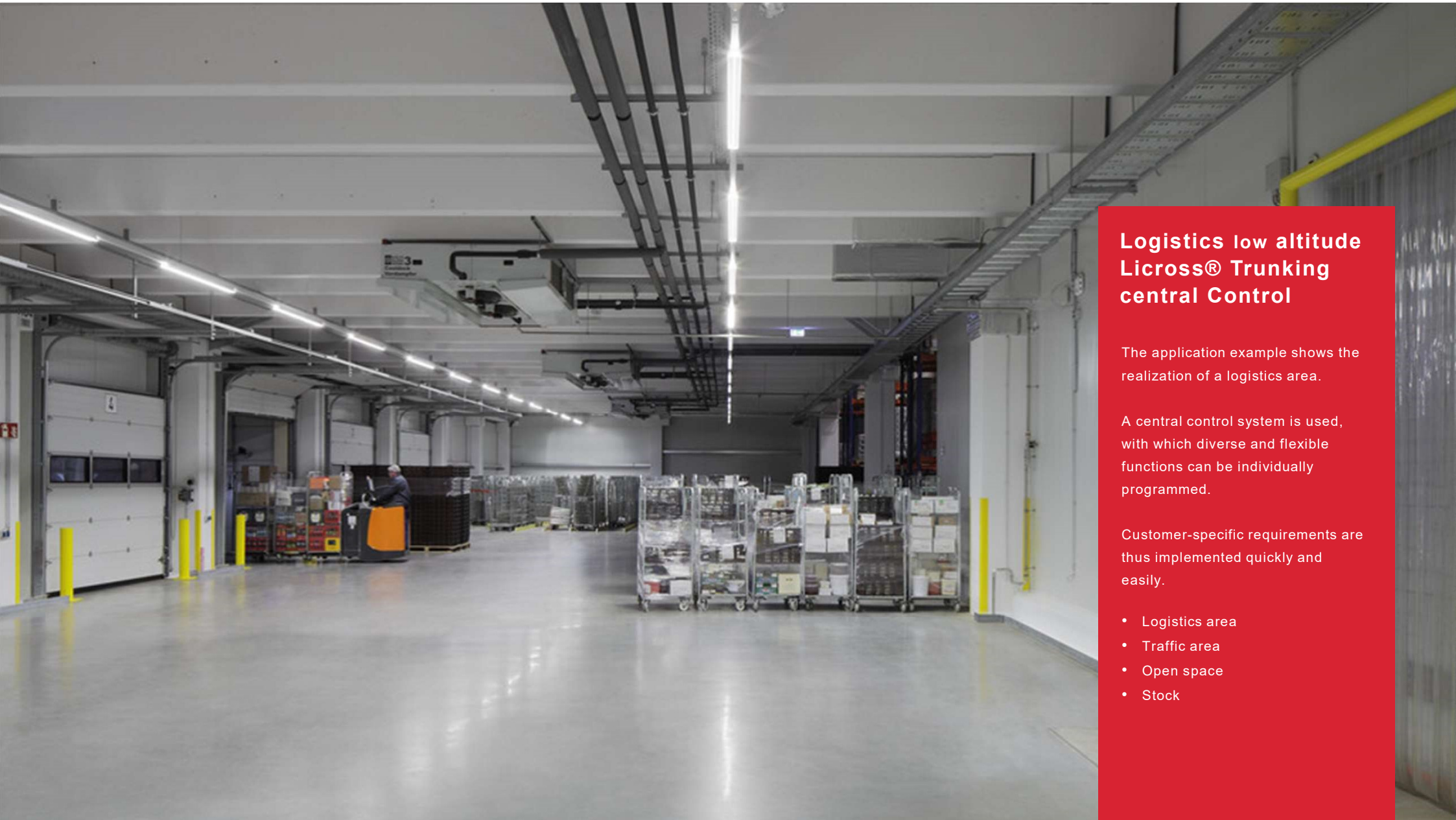
Inventory function (optional)

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.



Logistics low altitude Licross® Trunking central Control

The application example shows the realization of a logistics area.

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.

- Logistics area
- Traffic area
- Open space
- Stock

Logistics area low height

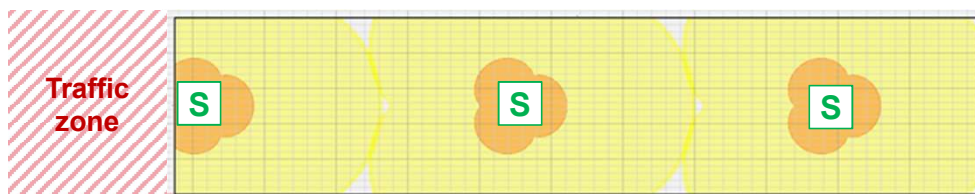
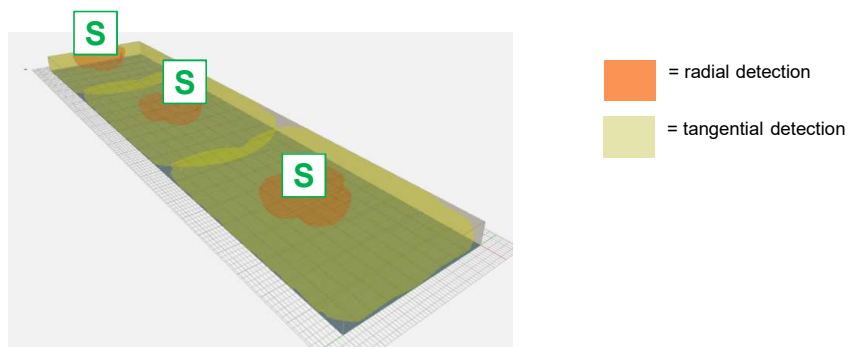
- ▶ **Efficiency** through integrated basic energy-saving functions
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity and freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofitting** through modular sensor interfaces in existing plants
- ▶ **Future-proof** 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.

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Logistics area low height

Example logistics zone (LPH = 3m, length = 90m, width = 20m)



Observe during planning:

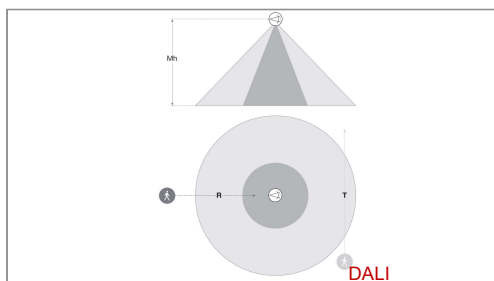
- **S** = Immediate detection at entrance or driveway (radial, sensor to traffic zone possibly dimmed)
 - $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
- For other mounting heights, please refer to the data sheet!

Which products are required?

| Designation | Function | Order no. |
|--|---|---------------------------|
| Licross® DALI luminaire & rail | | specifically |
| Licross® sensor interface S + Sensor Head PC1-S | Slave S | 56TL1FCSA 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 rails 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 note current consumption ! Max. Output current of the DALI control must not exceed !) |



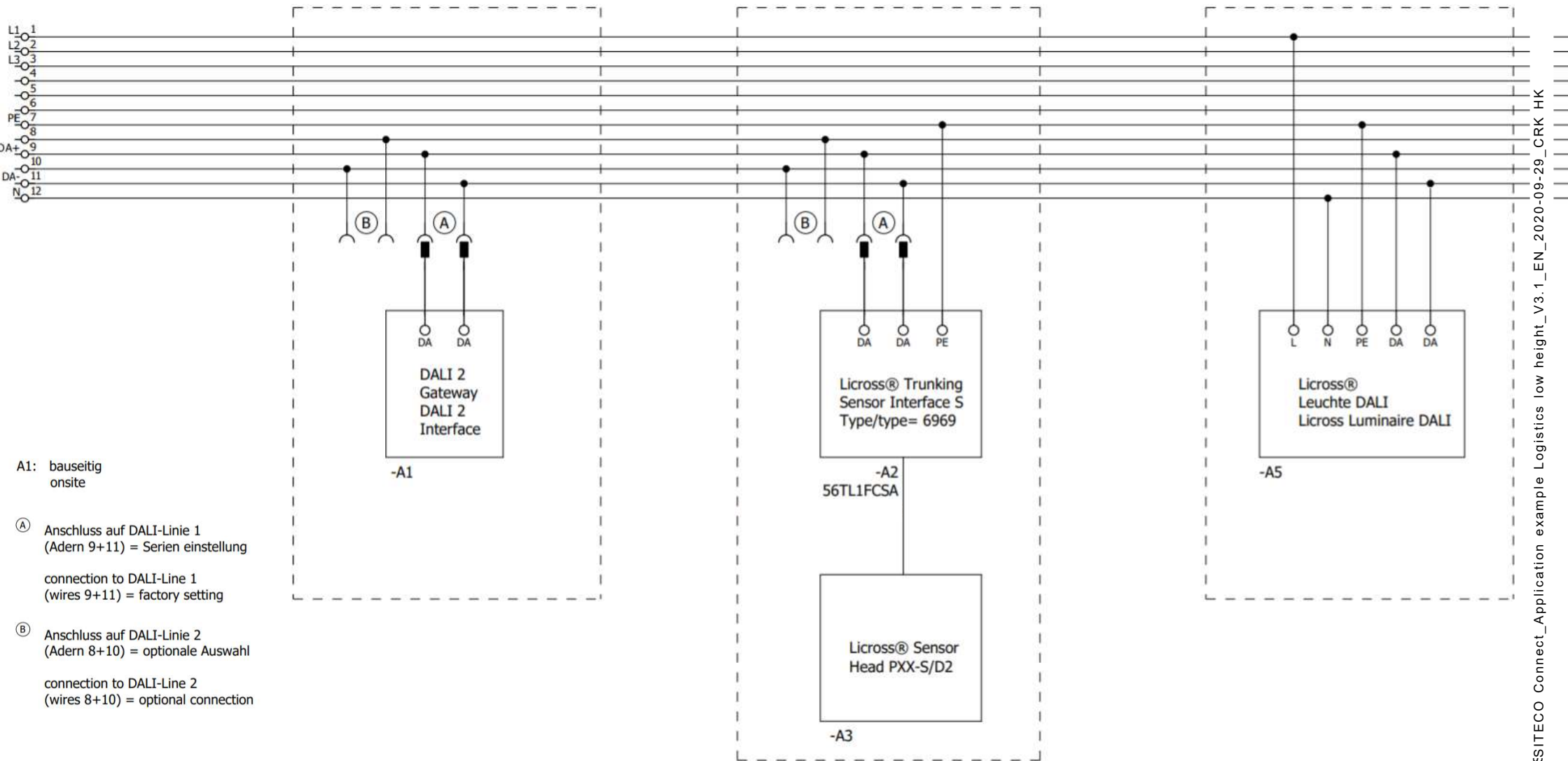
Sensor Head

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

Sub-distribution
SITECO Connect I/O control with DALI 2 interface

Elektrotechnisches Schema





Logistics area low height

Note

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