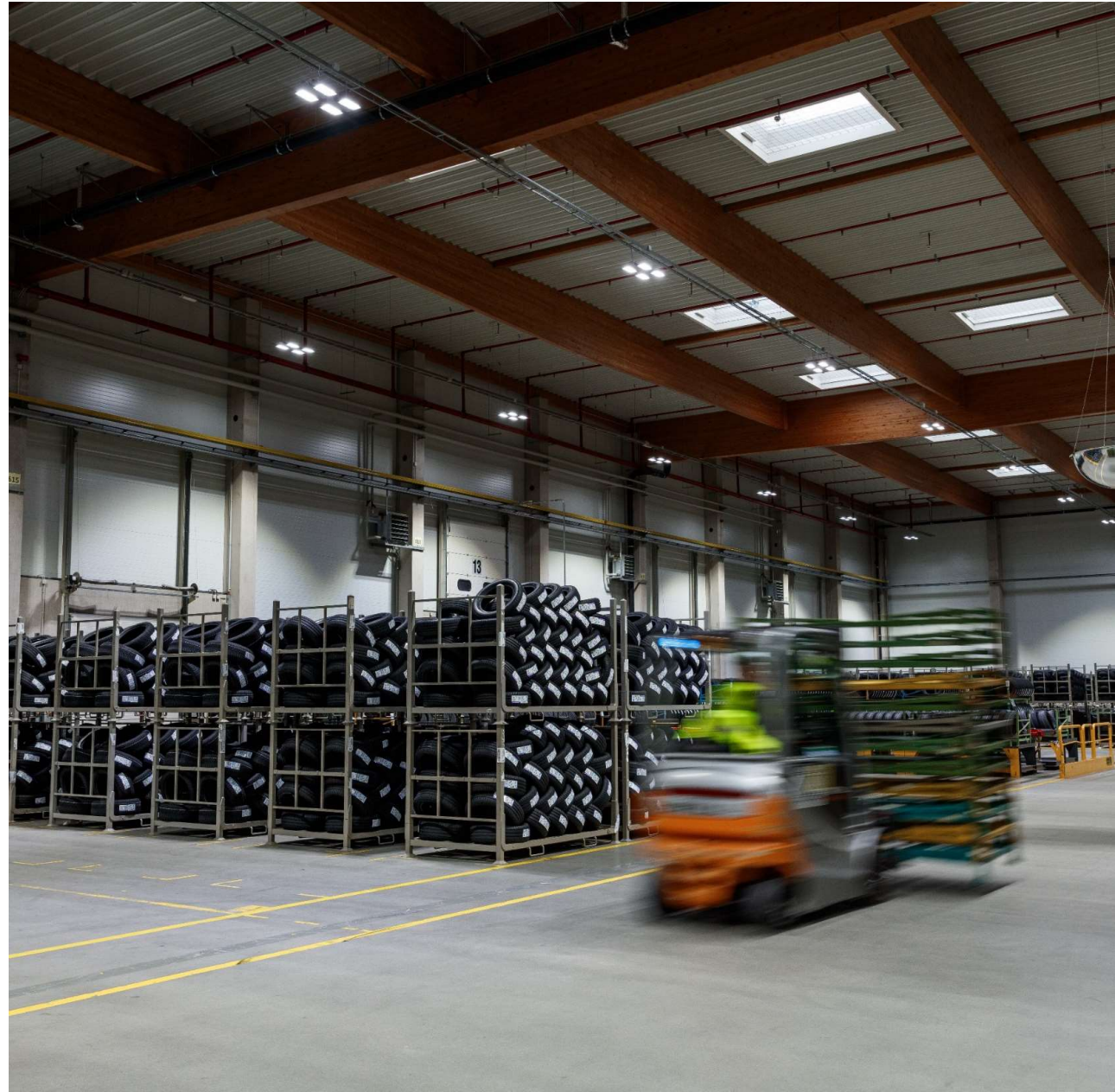


siteco





SITECO Connect

Application scenarios for logistics areas (high altitudes)

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High altitudes logistics area

Application scenarios				
Application	Large height logistics area			
Control system	local control		central control system	
Luminaire	Licross ® trunking	Licross® High Bay	Licross ® trunking	Licross® High Bay
				
Basic energy saving 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 13	Page 8	Page 18



High altitude logistics areas 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

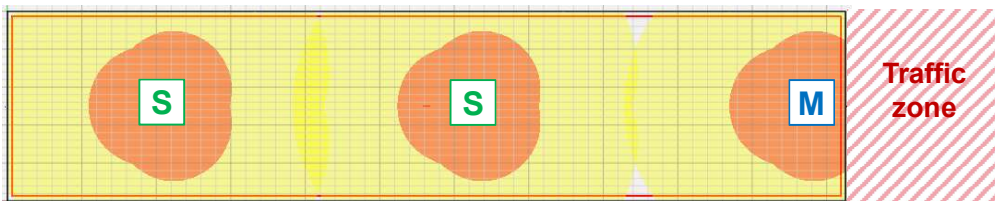
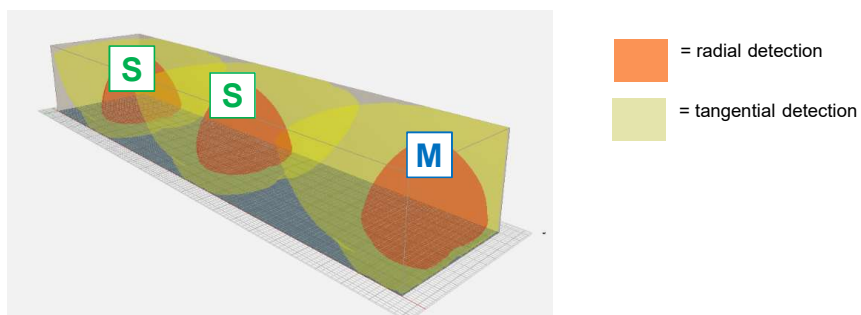
Logistics area great height

- ▶ **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



High altitudes logistics area

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



Observe during planning:

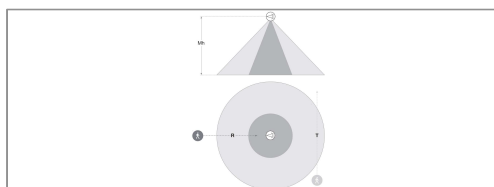
- **M** = immediate detection at entrance or driveway (radial, sensor facing the traffic zone dimmed)
 - $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
 - **M** = master sensor in the darkest part of the lighting group
- For other mounting heights, 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 PC5-M	Master M	56TL1FCMA 59US1HXMPC5A
Licross® sensor interface S + Sensor Head PC5-S	Slave S	56TL1FCSA 59US1HXSPC5A
Smart Remote	Commissioning	59UC3RCA

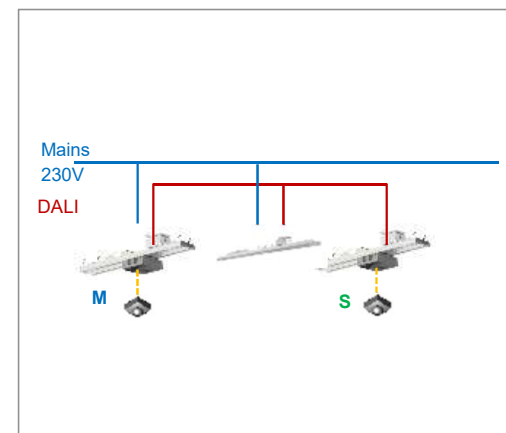
Maximum system sizes

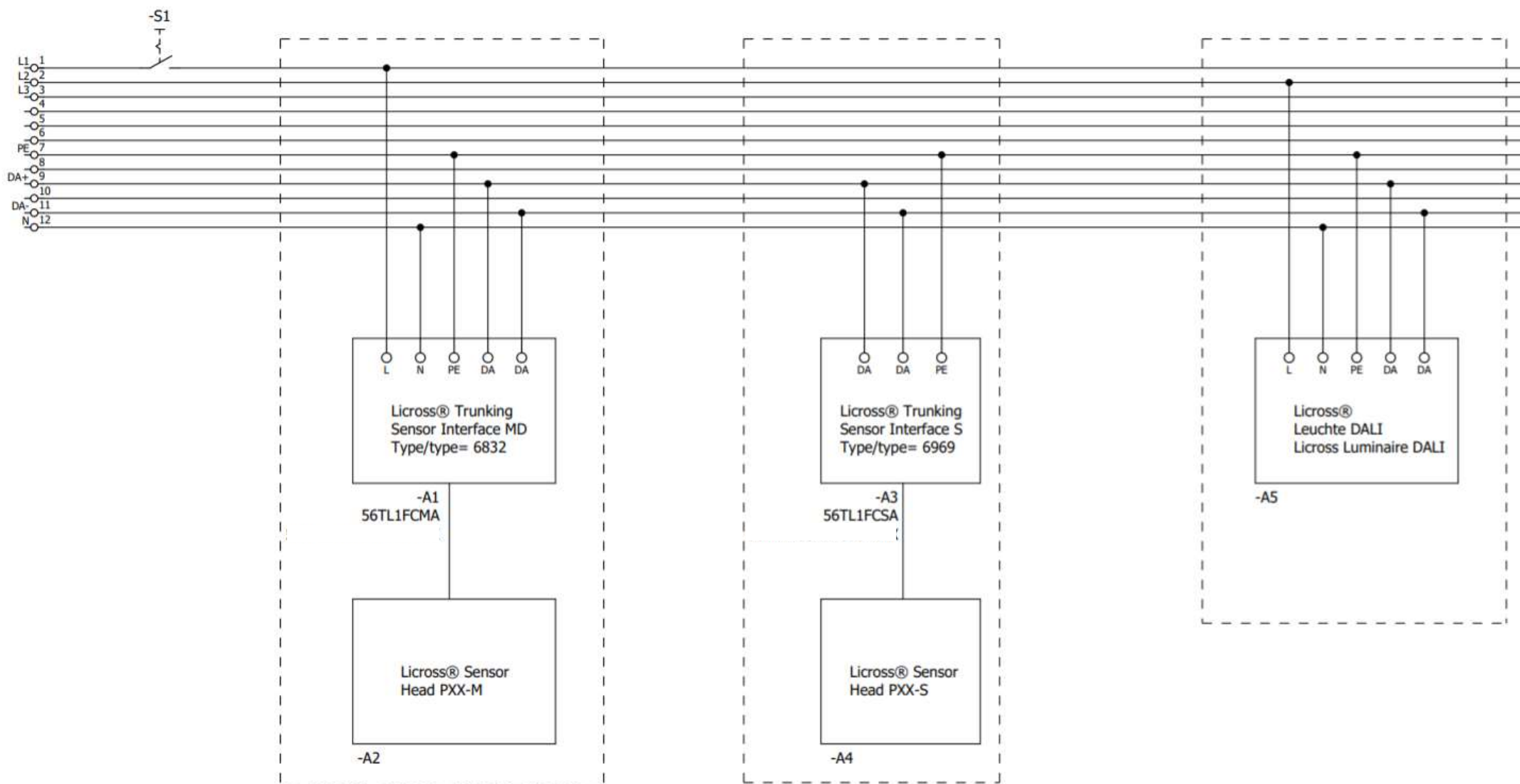
# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21
# Master	1x M	1x M	1x M	1x M
# Slave	0x S	1x S	2x S	3x S



Sensor Head

Designation	MH	R	T
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





High altitudes logistics area

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.



High altitude logistics area Licross® trunking central control system

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

High altitudes logistics area

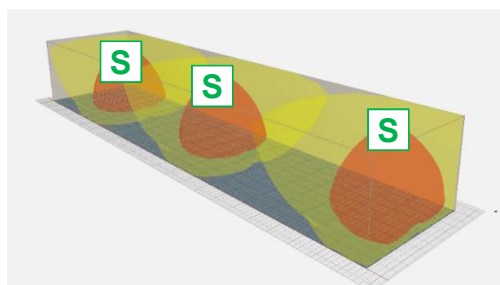
- ▶ **Efficiency** through integrated basic energy-saving functions
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- ▶ **Retrofittability** through modular sensor interfaces in existing plants
- ▶ **Future-proof** through the use of open Standards
- ▶ Maximum **Flexibility** through individual addressing, thereby adapting to changing needs.
- ▶ Central control and monitoring functions enable **Dashboards** on the system status.

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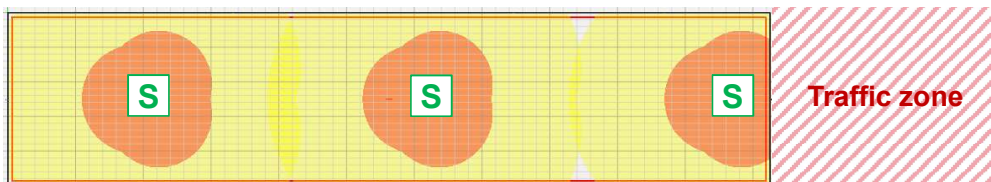


High altitudes logistics area

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



■ = radial detection
■ = tangential detection



Observe during planning:

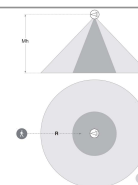
- **S** = Immediate detection at entrance or driveway (radial, sensor to traffic zone possibly dimmed)
 - $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
- For other mounting heights, please refer to the data sheet!

Which products are required?

Designation	Function	Order no.
Licross® DALI luminaire & rail		specifically
Licross® sensor interface S + Sensor Head PC5-S	DALI 2	56TL1FCSA 59US1HXSPC5A
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, Current consumption note! Max. Output current of the DALI Control must not be exceeded)



Sensor Head

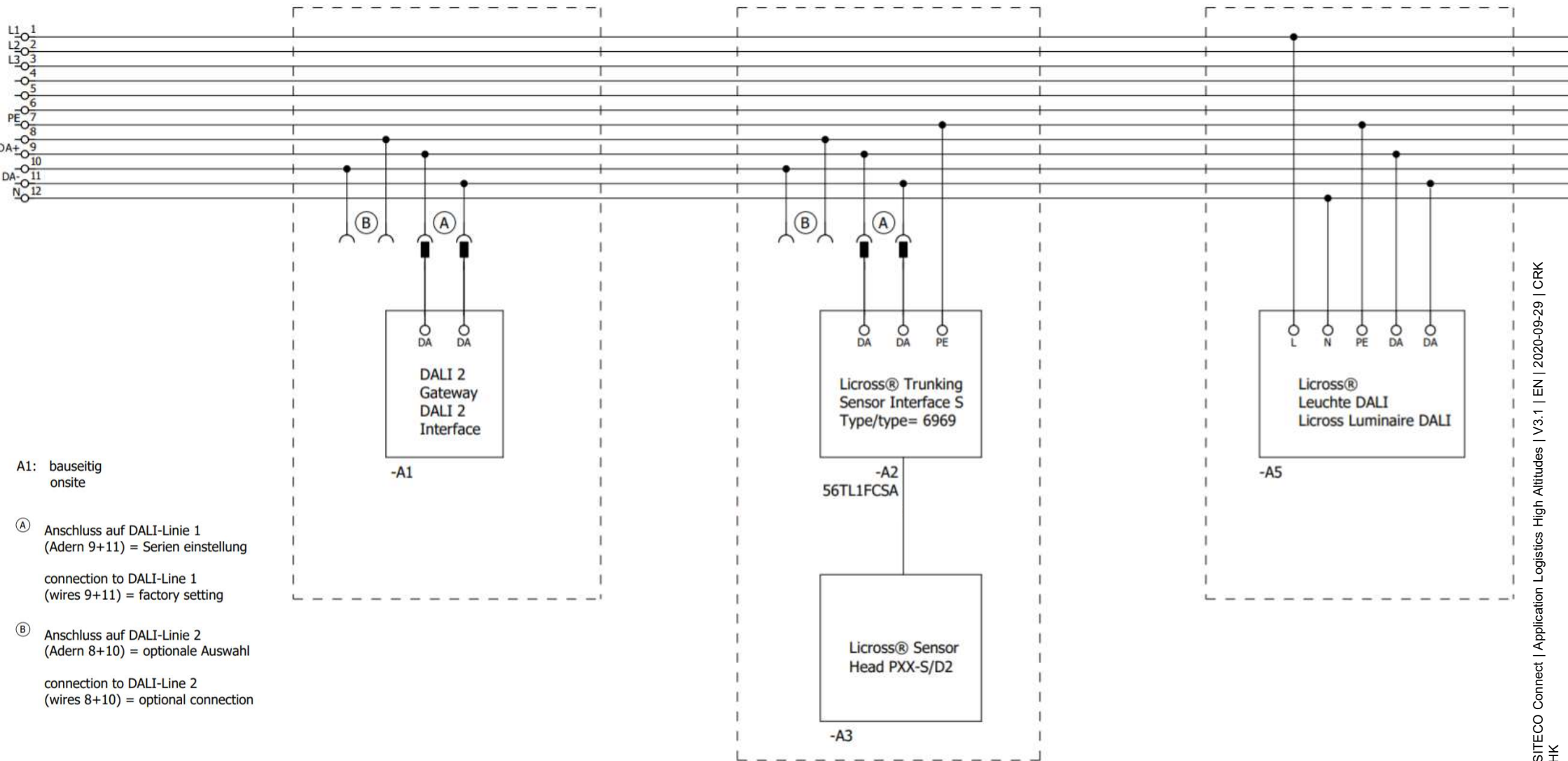
Designation	MH	R	T
	14m	16,3m	40m
	12m	16,3m	40m
	10m	15,6m	40m
	8m	14,3m	40m
	6m	12,0m	40m
	4m	10,0m	40m

PC5 (Relux-Article-#010577)

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

Elektrotechnisches Schema





High altitudes logistics area

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High altitude logistics Licross® High Bay local control

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- Open space
- Stock

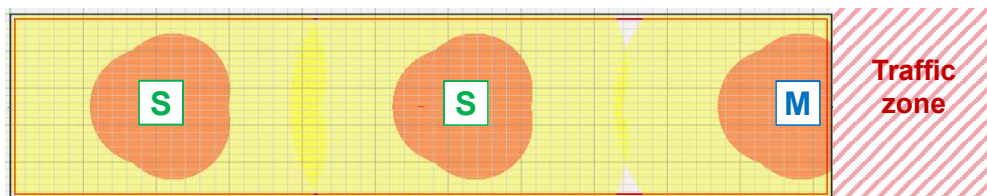
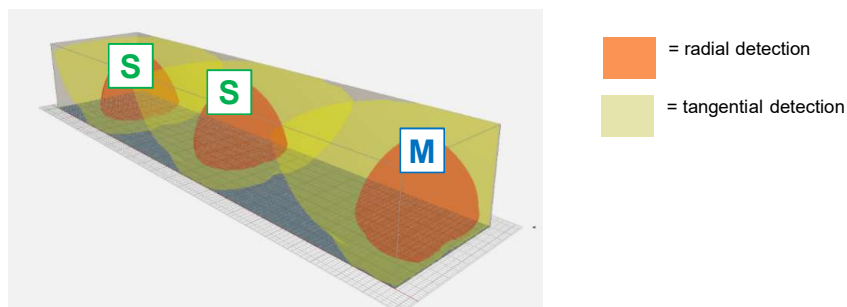
High altitudes logistics area

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High altitudes logistics area

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



Observe during planning:

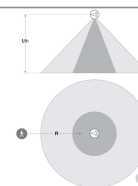
- **S** = immediate detection at entrance or entry (radial, sensor facing the traffic zone dimmed)
 - Ensure immediate radial detection when entering or $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
 - **M** = master sensor in the darkest part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

Which products are required?

Designation	Function	Order no.
Licross® Highbay DALI		specifically
Licross® HB Sensor Interface MD + Sensor Head PC5-M	Master M	59HL94001 59US1HXMPC5A
Licross® HB I. nterface S + Sensor Head PC5-S	Slave S	59HL94002 59US1HXSPC5A
Smart Remote	Commissioning	59UC3RCA

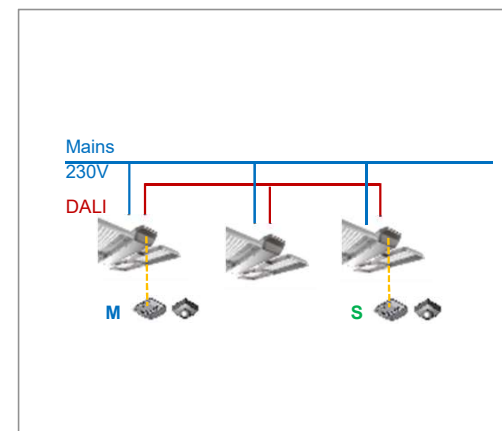
Maximum system sizes

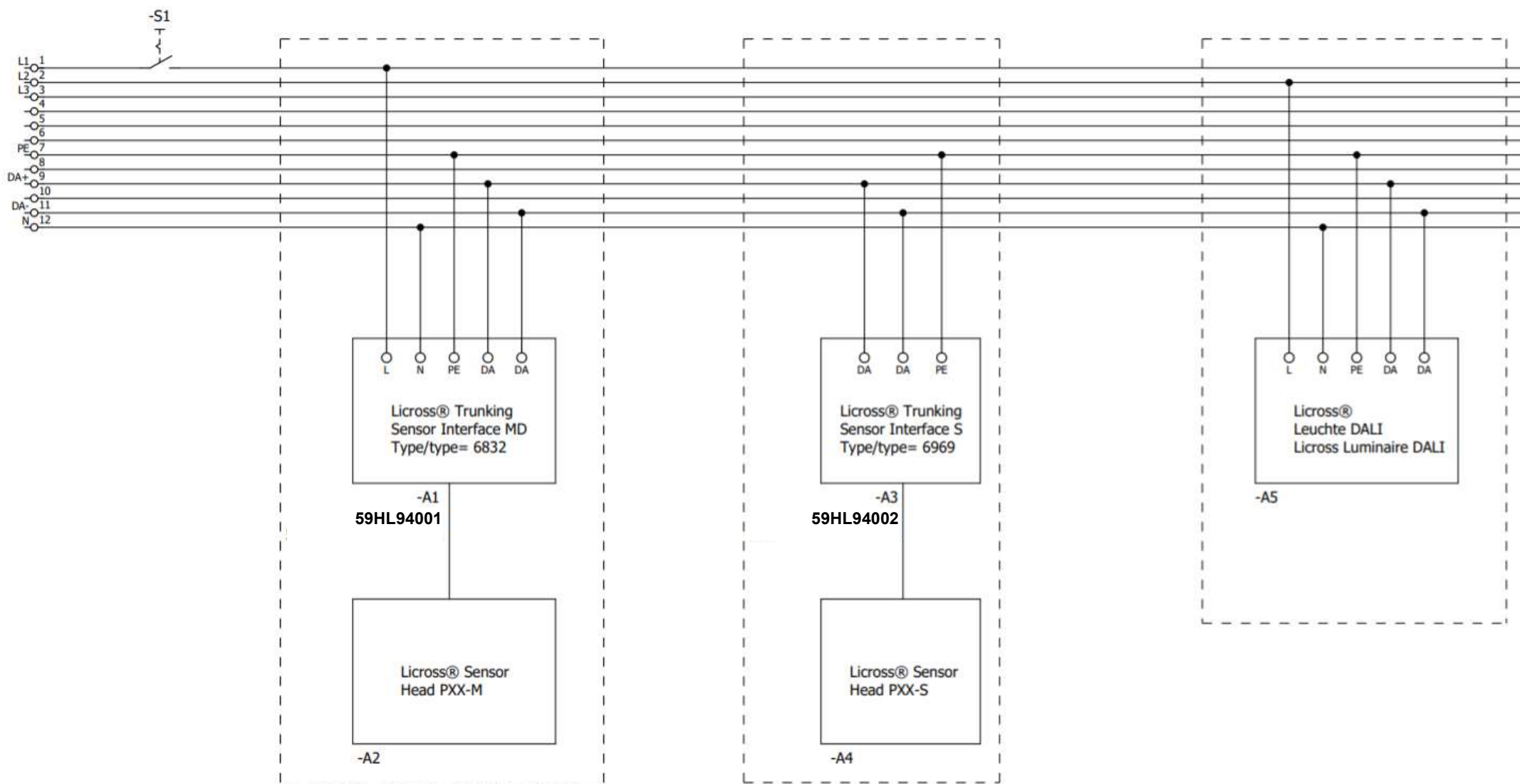
# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21
# Master	1x M	1x M	1x M	1x M
# Slave	0x S	1x S	2x S	3x S



Sensor Head

Designation	MH	R	T
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





High altitudes logistics area

Commissioning

only possible via interface MD (with sensor heads).

Inventory function (optional)

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S1 closed: Motion sensor system activated

Note

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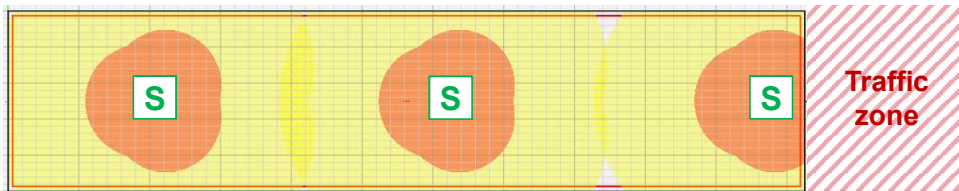
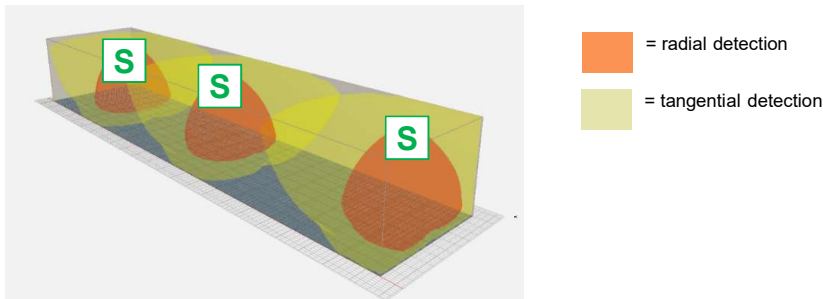
High altitudes logistics area

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High altitudes logistics area

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



Observe during planning:

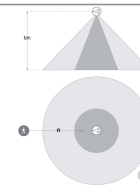
- **S** = Immediate detection at entrance or driveway (radial, sensor to traffic zone possibly dimmed)
 - $\varnothing = 16.3\text{m}$
 - Ensure tangential detection for open areas ($\varnothing = 40\text{m}$)
- For other mounting heights, please refer to the data sheet!

Which products are required?

Designation	Function	Order no.
Licross® Highbay DALI		specifically
Licross® HB interface S + Sensor Head PC5-S	Slave S	59HL94002 59US1HXSPC5A
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, Current consumption note! Max. Output current of the DALI Control mustnot beexceeded)

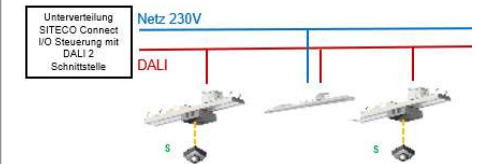


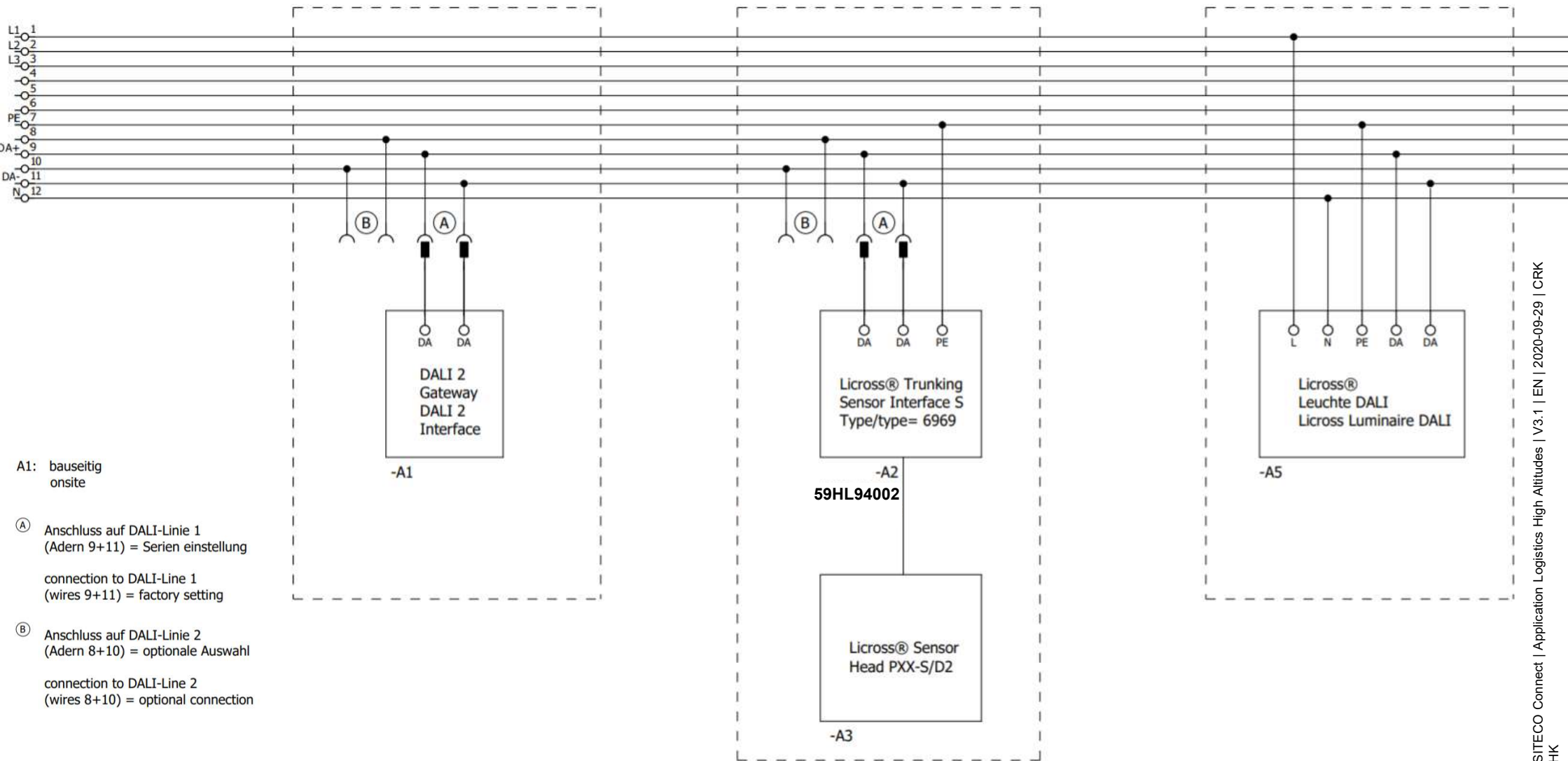
Sensor Head

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

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

Elektrotechnisches Schema





A1: bauseitig onsite

(A) Anschluss auf DALI-Linie 1 (Adern 9+11) = Serien einstellung
connection to DALI-Line 1 (wires 9+11) = factory setting

(B) Anschluss auf DALI-Linie 2 (Adern 8+10) = optionale Auswahl
connection to DALI-Line 2 (wires 8+10) = optional connection

High altitudes logistics area

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