

siteco




SITECO Connect

Application scenarios in the production hall

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Production hall

Application scenarios			
Application	Production hall		
Control system	local control	central control system	
Luminaire	Licross® trunking	Licross® trunking	Licross® trunking
			
Energy saving basic function			
Daylight control	•	•	•
Daylight control		•	•
Motion detection		•	•
manual controller	•	•	•
Basic lighting during absence		•	•
Additional functions			
Flexible grouping		•	•
Time functions		•	•
Passage lighting		•	•
energy monitoring		•	•
HCLive			•
Application examples			
Link to	Page 3	Page 8	Page 13



Production hall local control





The application example shows the implementation of a rack or high-bay warehouse with the Licross® trunking system.

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

Commissioning is simple and intuitive by means of push buttons.

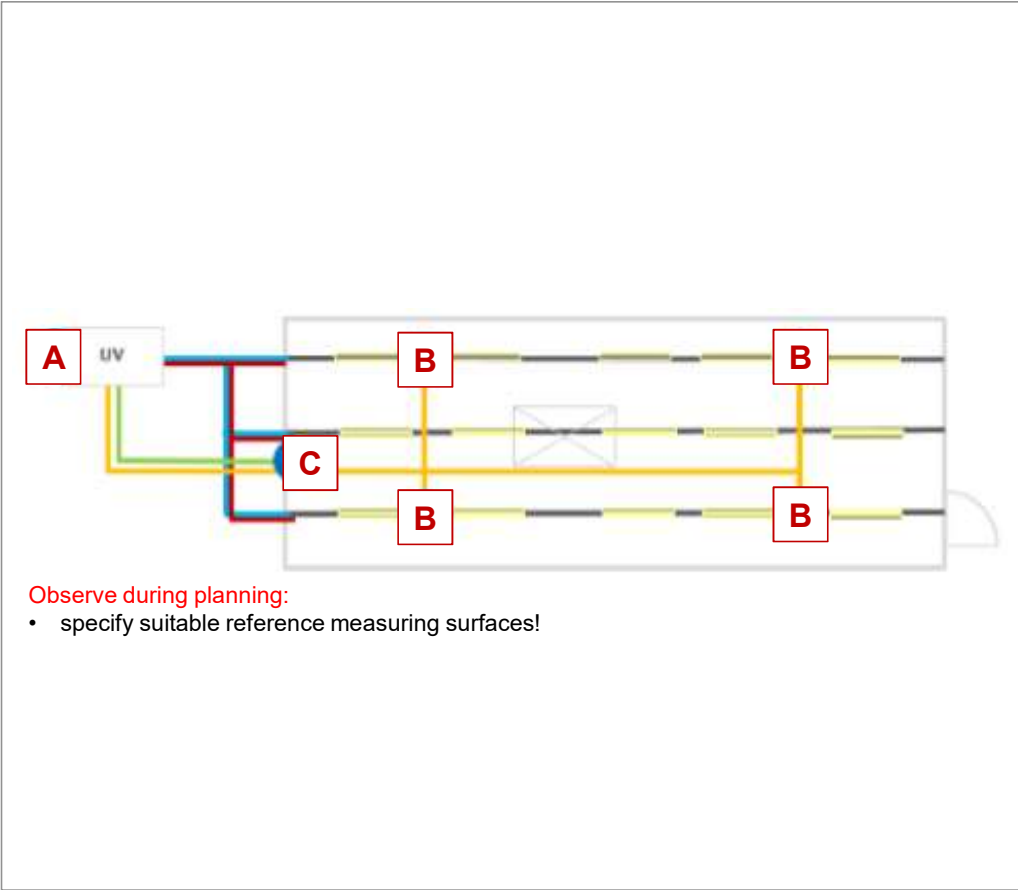
- Production hall
- Production hall

Production hall

- 
Efficiency through integrated energy-saving basic functions.
- 
 One controller can control up to 100 DALI ECGs in **DALI broadcast addressing**.
- 
Quick commissioning of daylight-dependent lighting control by means of a pushbutton module.
- 
Operation (ON/OFF, manual override) of the lighting system by the user via push-button module.

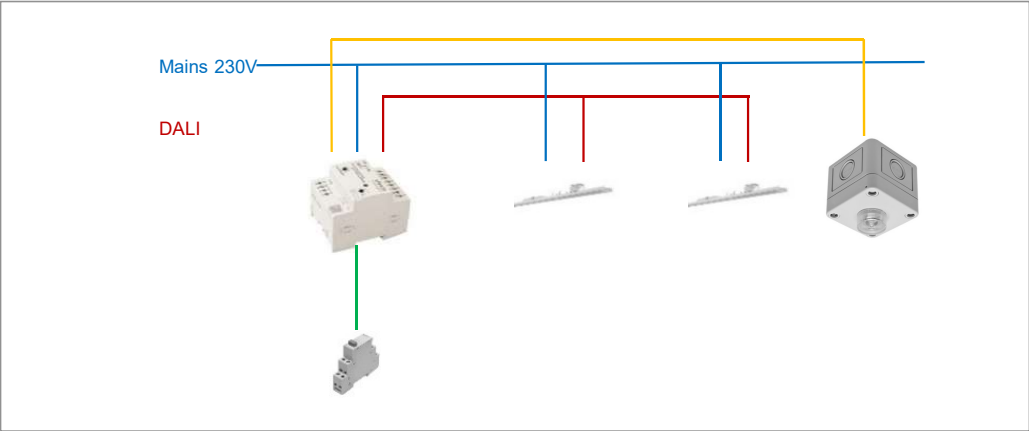


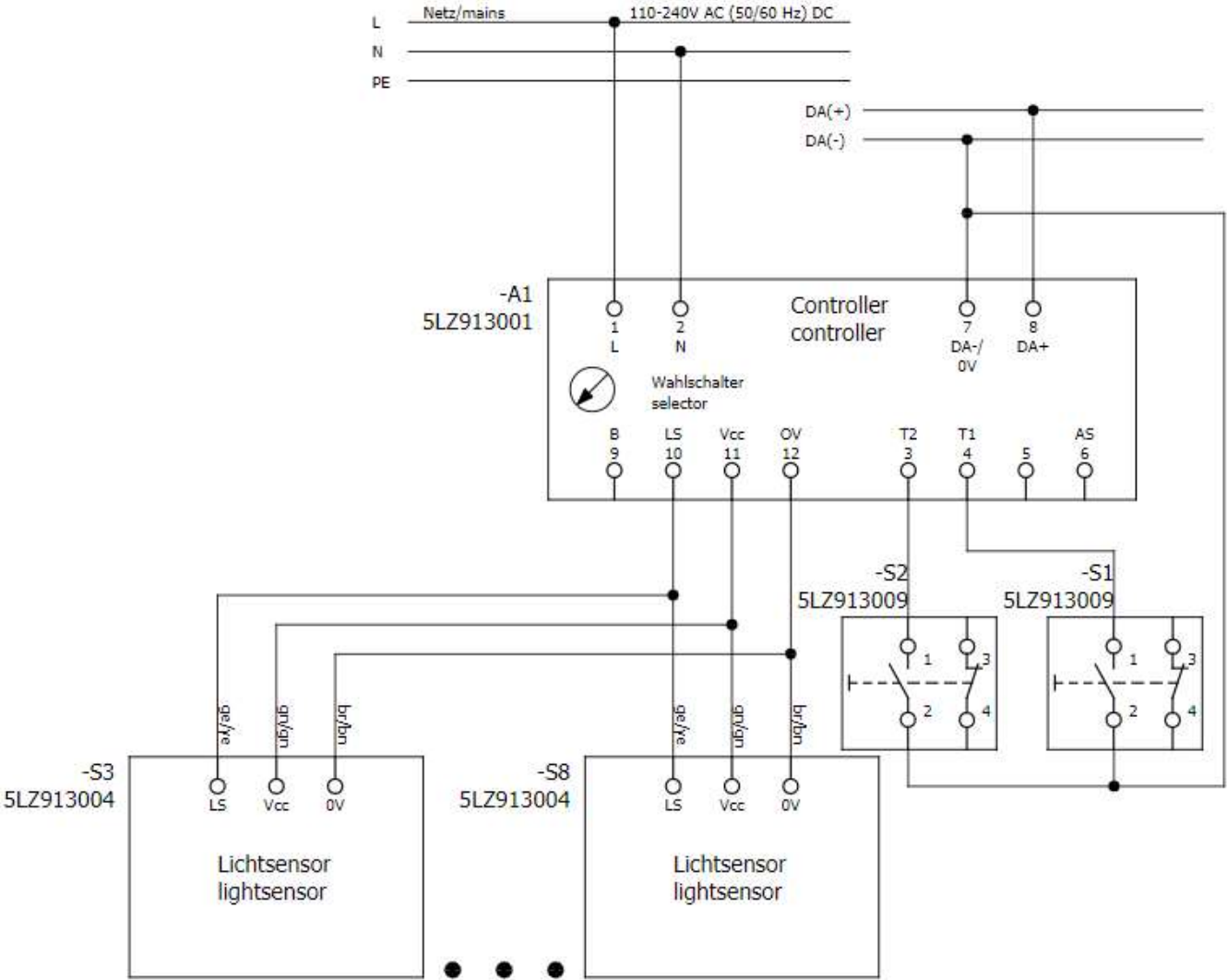
Production hall



Which products are required?		
Designation	Function	Order no.
Licross® DALI luminaire & rail		specifically
Basic Industry Controller	A	5LZ913001
Basic Industry Light Sensor + Anti-glare tube	B	5LZ913004 5LZ913TB2
Basic Industry Push-button module	C	5LZ913009

Maximum System sizes per Basic Industry Controller	
# DALI ECG	max. 100
# Sensors	Max. 6





Production hall

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.



Production hall central control system

The application example shows the implementation of a production hall with the Licross® trunking system.

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.

- Production hall
- Production hall

Production hall

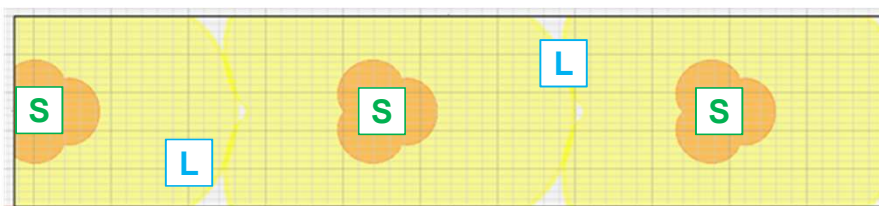
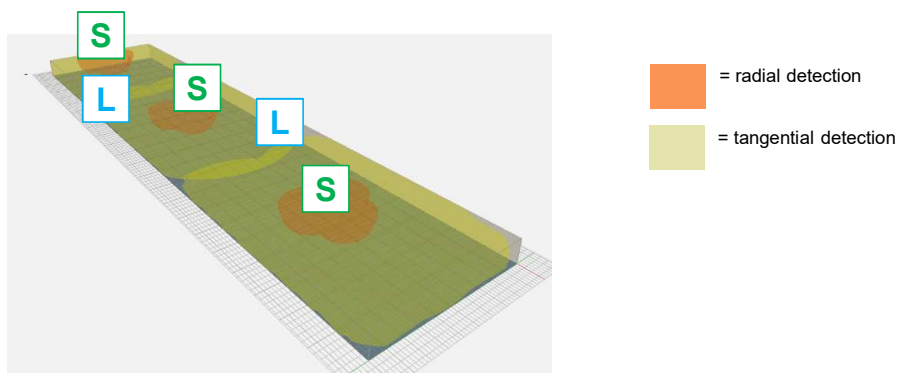
- ▶ **Efficiency** through integrated basic energy-saving functions
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity and freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofitting** through modular sensor interfaces in existing plants
- ▶ **Future-proof**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

Example production (LPH = max. 6m, length = 90m, width = 20m)



Observe during planning:

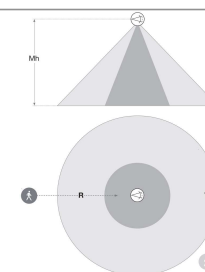
- Observe reference measuring surfaces under the light sensors **L** !
 - When detecting movements, note possible shading of the sensors **S** by inventory!
- Please note Erf. range table!

Which products are required?

Designation	Function	Order no.
Licross® DALI luminaire & rail		specifically
Licross® sensor interface S + Sensor Head PC1-S Light sensor Head D2	Slave S Light sensor L	56TL1FCSA 59US1HXSPC1A 59TS1HXSD2A
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

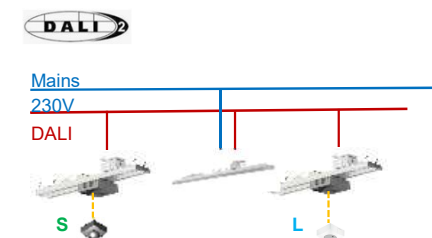
# DALI ECG	max. 63 per DALI 2 line
# Sensors	max. 30 per DALI 2 line (Attention, observe current consumption! Max. output current of the DALI controller must not be exceeded).

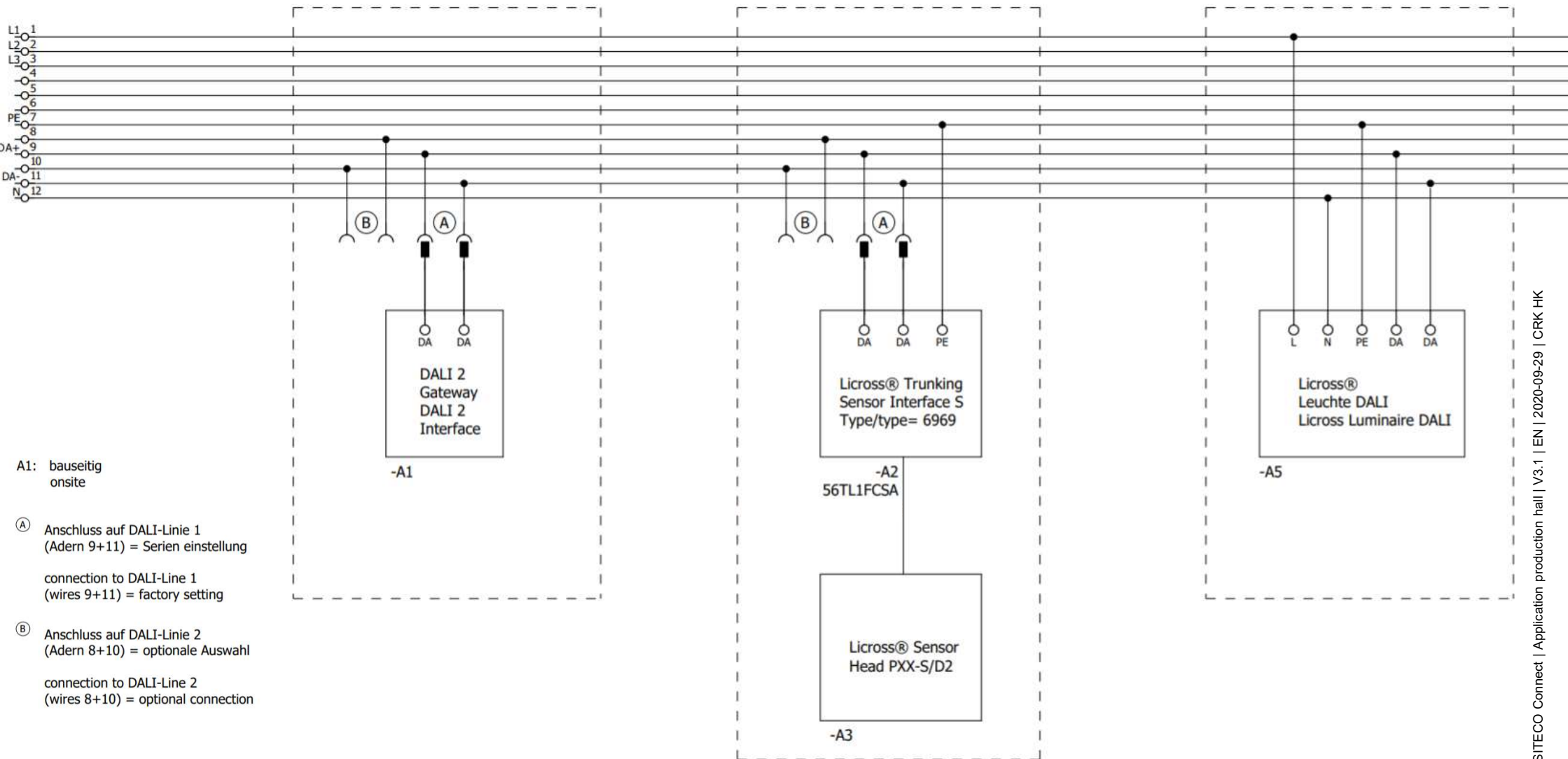


Sensor Head

Designation	MH	R	T
PC 1 (Relux-Article-#010560)	2m	11,4m	40m
D2 (Relux article-#009762)	3m	11,4m	40m

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





- 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

Production hall

Note

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Production hall central control system HCL^{live}

The application example shows the implementation of a production hall with the Licross® trunking system.

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.

- Production hall
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Production hall

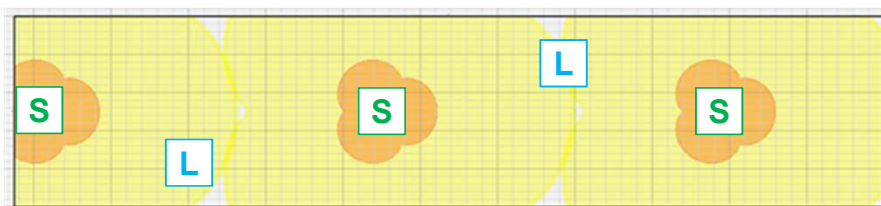
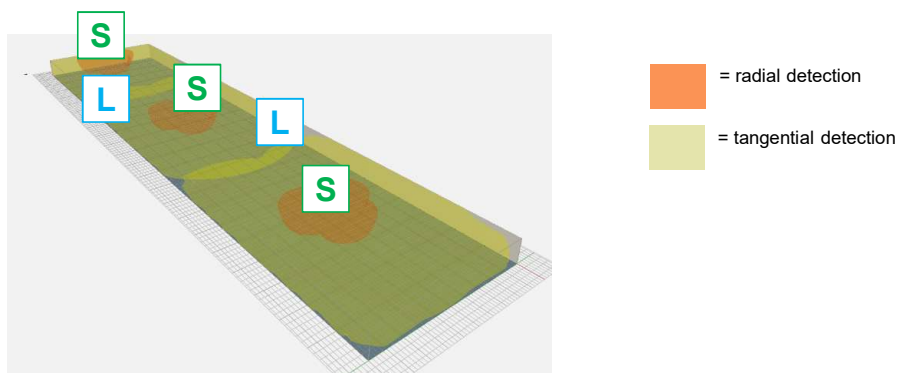
- ▶ **Efficiency** through integrated basic energy-saving functions
- ▶ Human Centric Lighting **HCL**
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity** and **freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofitting** through modular sensor interfaces in existing plants
- ▶ **Future-proof** through the use of open Standards
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Production hall low height

Example production (LPH = 6m, length = 90m, width = 20m)



Observe during planning:

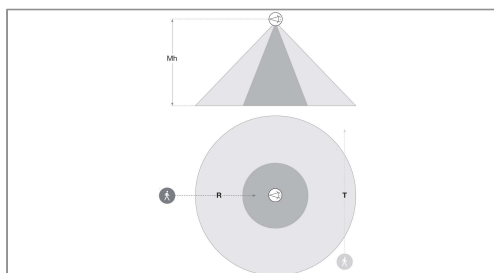
- Observe reference measuring surfaces under the light sensors **L** !
 - When detecting movements, note possible shading of the sensors **S** by inventory!
- Please note Erf. range table!

Which products are required?

Designation	Function	Order no.
Licross® DALI luminaire & rail	Tunable White	specifically
Licross® sensor interface S + Sensor Head PC1-S Light sensor Head D2	Slave S Light sensor L	56TL1FCSA 59US1HXSPC1A 59TS1HXSD2A
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

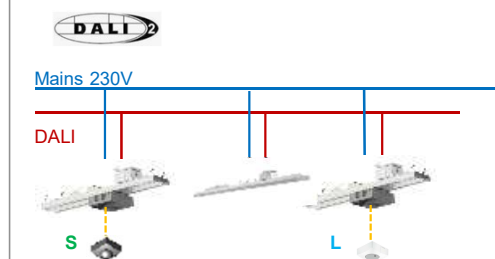
# DALI ECG	max. 63 per DALI 2 line
# Sensors	max. 30 per DALI 2 line (Attention, Please note current consumption ! Max. Output current of the DALI control must not exceed !)

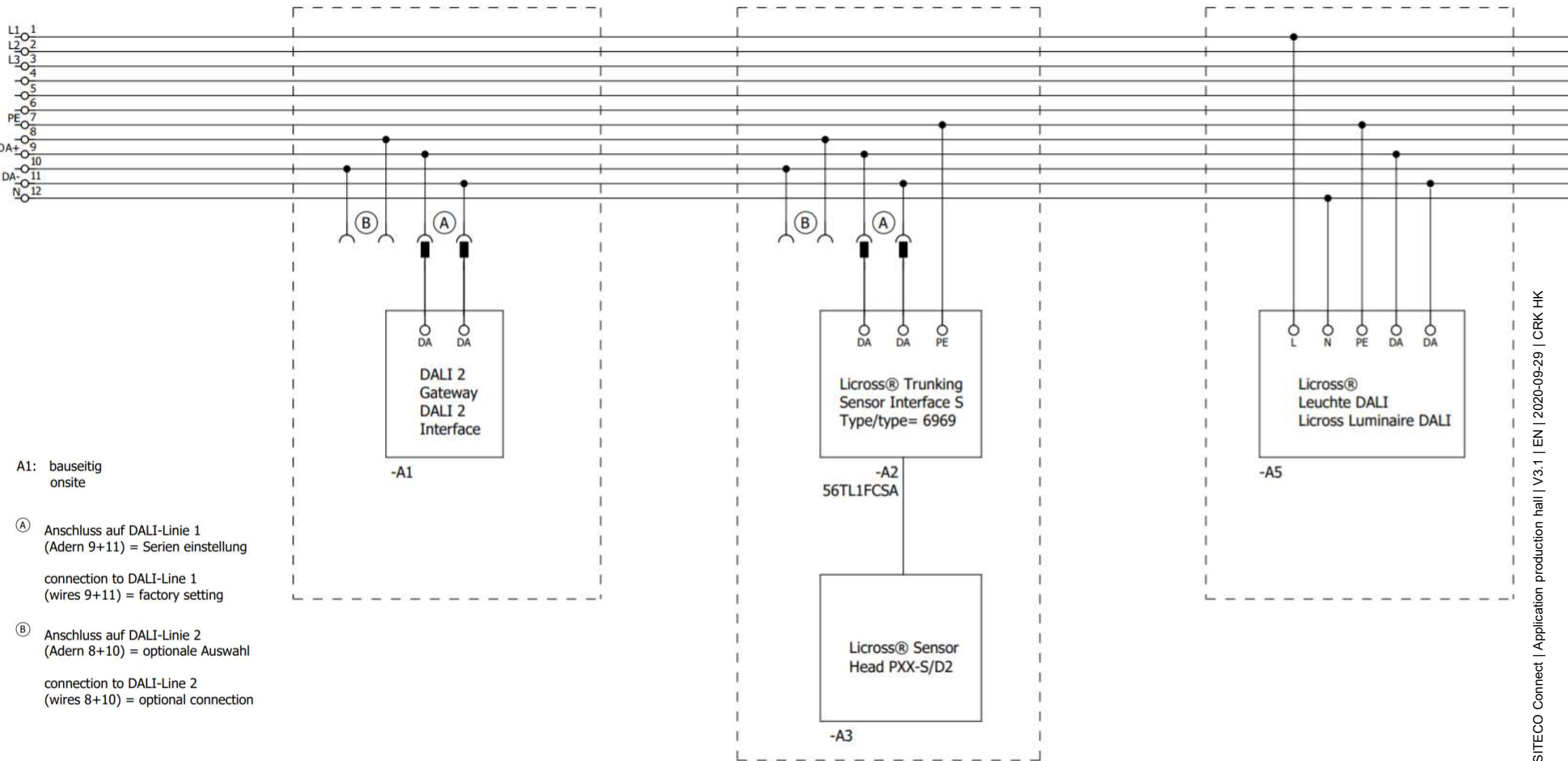


Sensor Head

Designation	MH	R	T
PC 1 (Relux-Article-#010560)	2m	11,4m	40m
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Sub-distribution
SITECO Connect I/O control with DALI 2 interface





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