

siteco

SITECO Connect



Possible applications for classrooms and training rooms

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SITECO_Connect_appl. ex. 8.3-8.4. class room training room_Licross_Contract_V4.1_EN_2022-02-16_CRK

Classroom and Training room and Training room

Possible applications		
Application	Classroom & Training Room and Training Room	
Control	local control	
Luminaire	Licross ® trunking Example 8.4 	Licross ® trunking Example 8.3 
Basic energy-saving function		
Daylight control with offset function	●	●
Presence detection	●	●
Motion capture	●	●
Semi-automatic operation	●	●
Basic lighting during absence	●	●
Additional functions		
Panel light function	●	●
HCL ^{live} function		●
Possible applications		
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Example 8.4

Classroom & Training room

Licross® Trunking

local control

8.4 Classroom & Training room



Efficiency through integrated energy-saving basic functions



Safety through sensors with high detection quality



Simplicity due to minimized cabling and commissioning effort



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



Panel light function offers more comfort for teachers.

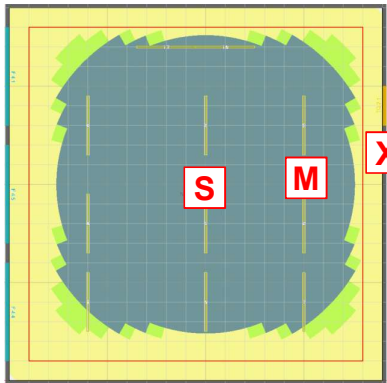
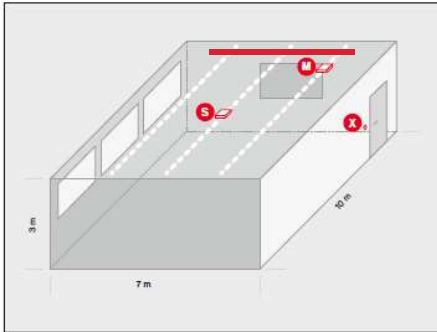


Future-proof through the use of open Standards



8.4 Classroom & Training room

Example classroom and training room
(LPH = 3m, length = 10m, width = 7m)



Example - Sensor PS2

- **S** = Position 1x sensor PS2 centrally in the room
- **X** = Button A = Light ON/OFF/dimming
- **X** = Button B = Panel light ON/OFF

= presence detection

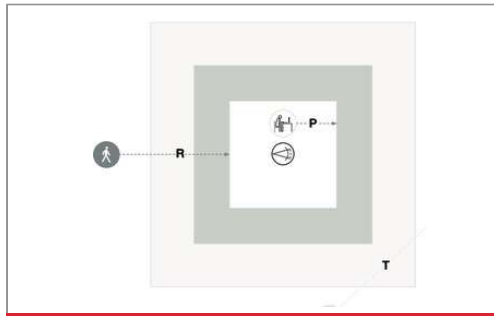


Which products are needed?

Designation	Function	Order no.
Licross® luminaire DALI & rail		specific
Licross® controller (white / silver / black)	Master M	56TL1CBM0B 56TL3CBM0B 56TL6CBM0B
Licross® sensor PS2	Slave S	56TL1MDSPS2A
Licross® Sensor PS3 (alternative)	Slave S	56TL1MDSPC3A 56TL3MDSPC3A 56TL6MDSPC3A
DALI2 pushbutton coupler	Button X	5LZ904731A
DALI Eco BT APP	Commissioning	at cost

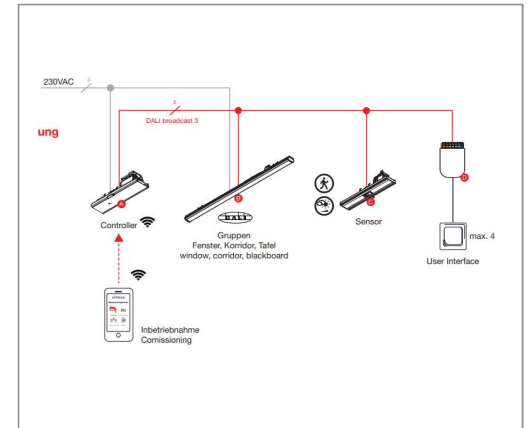
Maximum system sizes

# DALI ECG (C)	max. 32	max. 32	max. 32	max. 32
# Master M	1x A	1x A	1x A	1x A
# Slave S	0x C	1x C	2x C	3x C
Pushbutton interface X	1x X	1x X	1x X	1x X



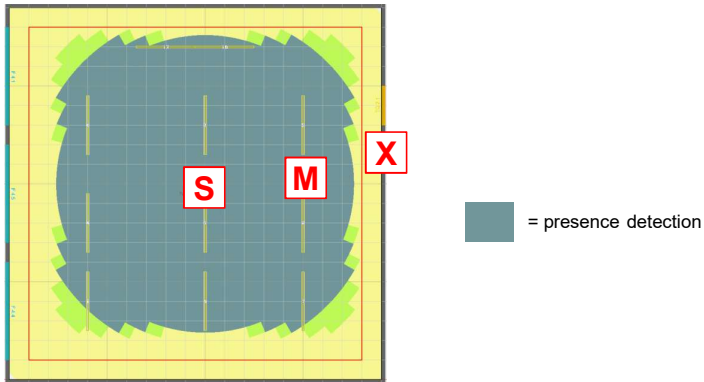
Sensor PS2

Designation	MH	R	P	T
PS2 (Relux-article-#010560)	3m	8x8m	8x8m	22x22m

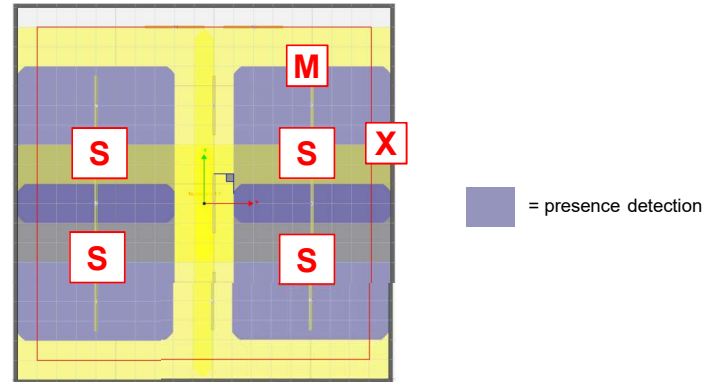


8.4 Classroom & Training room

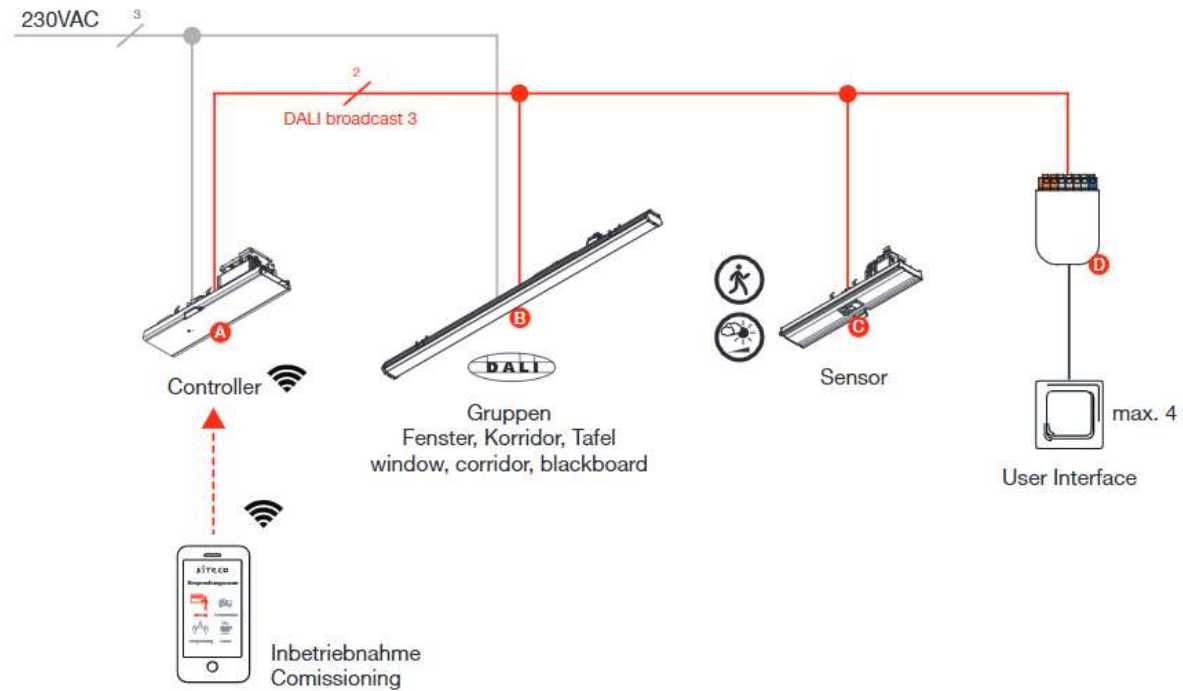
Example classroom and training room
(LPH = 3m, length = 9,5m, width = 9,5m)



Example classroom and training room
(LPH = 3m, length = 9,5m, width = 9,5m)



8.4 Classroom & Training Room



Systemgröße / System size				
Master A			1	
Slave C	0	1	2	3
DALI-EVG B	≤ 32	≤ 32	≤ 32	≤ 32
Tasterschnittstelle D	≤ 1	≤ 1	≤ 1	≤ 1

- * DALI: maximale Gesamtleitungslänge 100m bei Verlegung z. B. NYM5G1,5 mm²
- ** Taster bauseitig: maximale Leitungslänge 2m zwischen Taster und Tasterschnittstelle

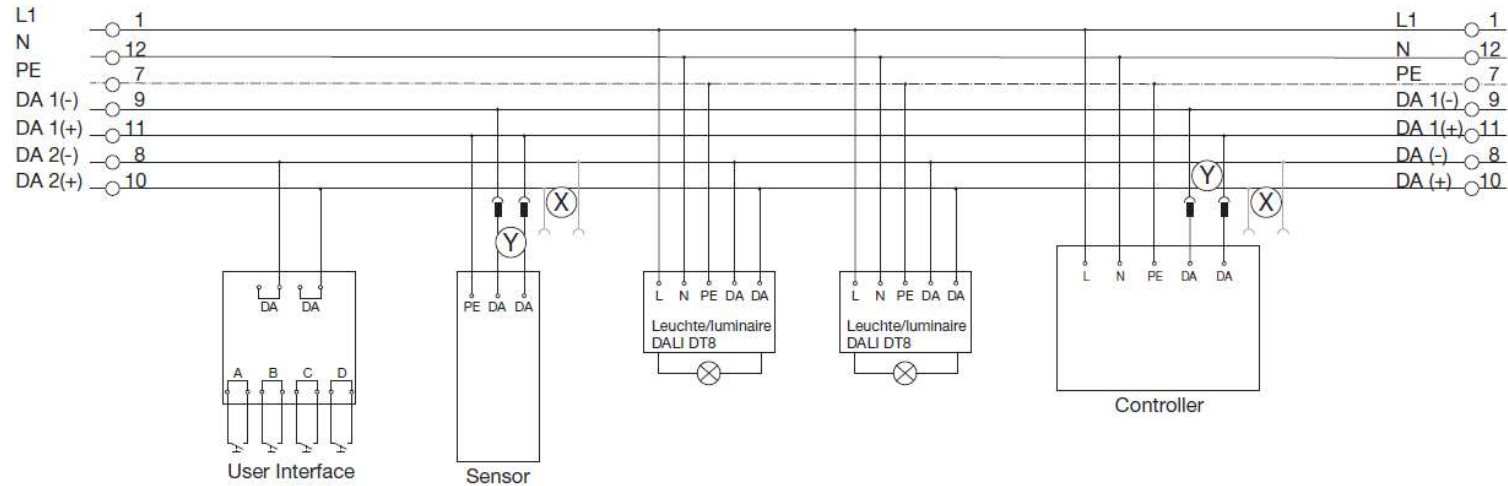
Die obige Darstellung zeigt nur einen exemplarischen Schaltplan eines Lichtmanagementsystems. Für einen konkreten Anwendungsfall ist zwingend eine individuelle Planung (insbesondere Leitungs- und Stromkreisdimensionierungen, Leitungsarten, Brandschottungen, Trassenführungen, etc.) durch qualifiziertes Personal erforderlich. Die Siteco GmbH übernimmt keinerlei Haftung für die Richtigkeit der obigen Darstellung

The illustration above only shows an exemplary circuit diagram of a light management system. For a specific application, individual planning (in particular line and circuit dimensions, line types, fire barriers, cable routing, etc.) a qualified personnel is essential. The SITECO GmbH assumes no liability for the correctness of the above representation.

8.4 Classroom & Training Room

Stromlaufplan/wiring diagram

Licross® 11/21 Controller lokale Steuerung Licross® 11/21 Controller local control



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Example 8.3

**Classroom & Training
room**

HCL^{live} function

Licross® Trunking

local control

8.3 Classroom & Training room HCL^{live}



HCL^{live} = Light for full concentration



Efficiency through integrated energy-saving basic functions



Safety through sensors with high detection quality



Simplicity due to minimized cabling and commissioning effort



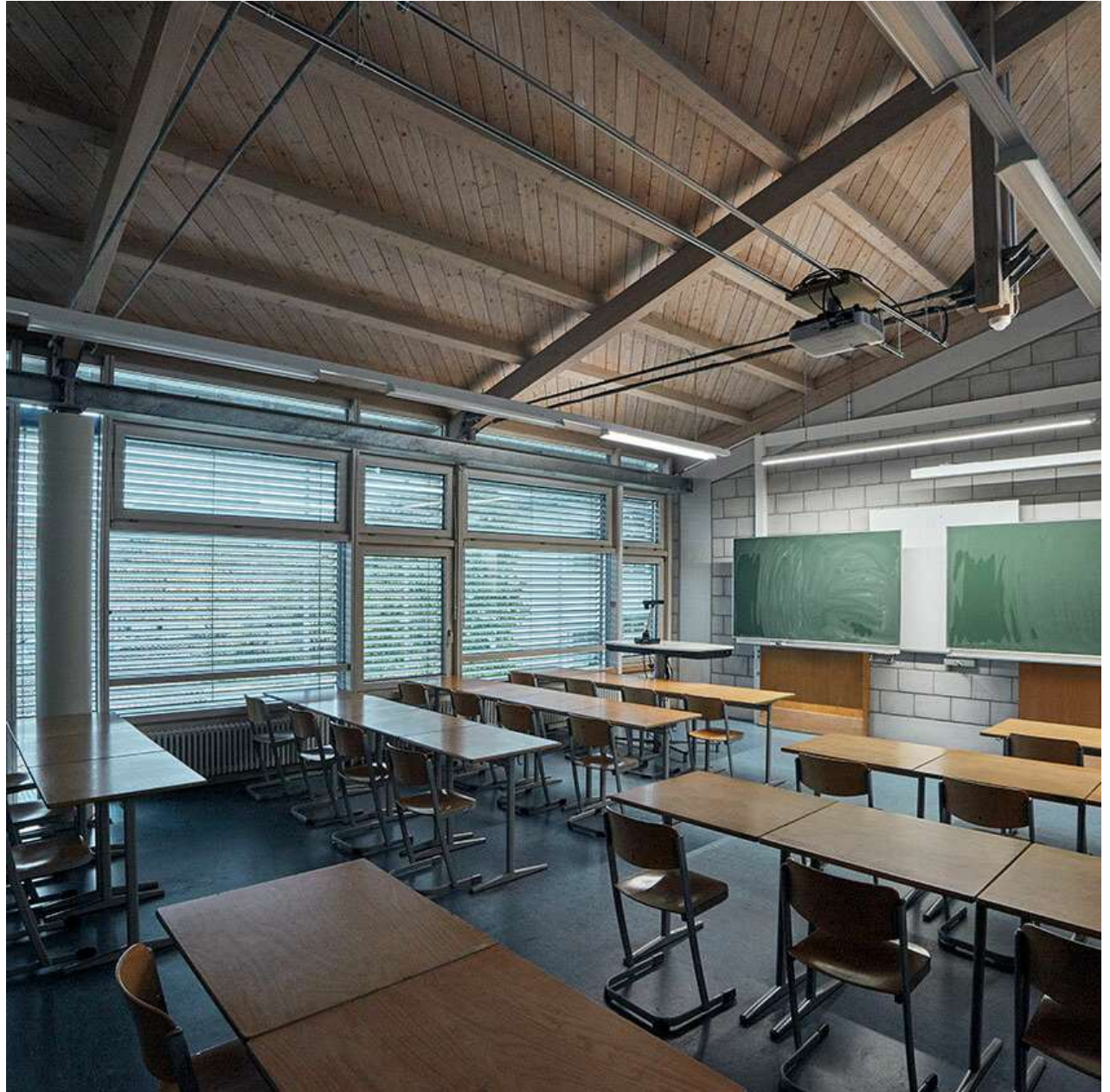
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Panel light function offers more comfort for teachers.

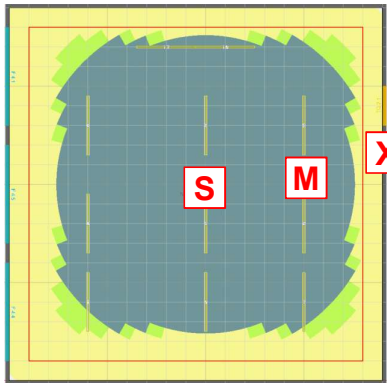
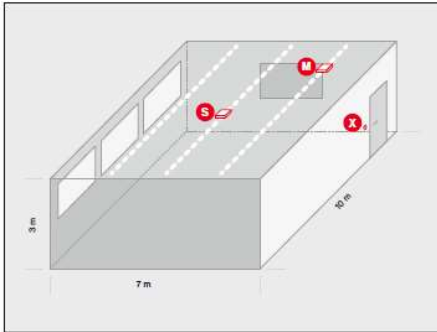


Future-proof through the use of open Standards



8.3 Classroom & Training room HCL^{live}

Example classroom and training room
(LPH = 3m, length = 10m, width = 7m)



Example - Sensor PS2

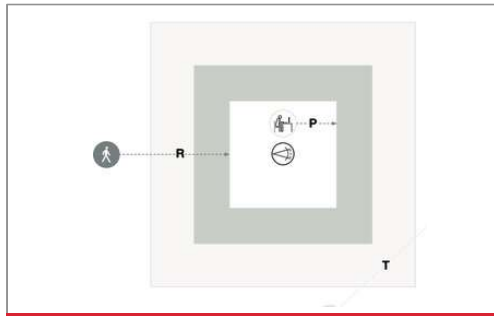
- **C** = position 1x sensor PS2 centrally in the room
- **X** = Button A = Light ON/OFF/dimming
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= presence detection

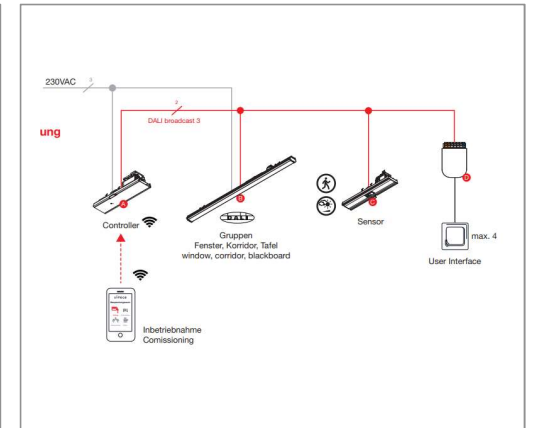


Which products are needed?		
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Licross® luminaire DALI DT8 & rail		specific
Licross® controller (white / silver / black)	Master M	56TL1CBM0B 56TL3CBM0B 56TL6CBM0B
Licross® sensor PS2	Slave S	56TL1MDSPS2A
Licross® Sensor PC3 (alternative)	Slave S	56TL1MDSPC3A 56TL3MDSPC3A 56TL6MDSPC3A
DALI2 pushbutton coupler	Button X	5LZ904731A
DALI Eco BT APP	Commissioning	at cost

Maximum system sizes				
# DALI ECG (C)	max. 32	max. 32	max. 32	max. 32
# Master M	1x M	1x M	1x M	1x M
# Slave S	0x S	1x S	2x S	3x S
Pushbutton interface X	1x X	1x X	1x X	1x X

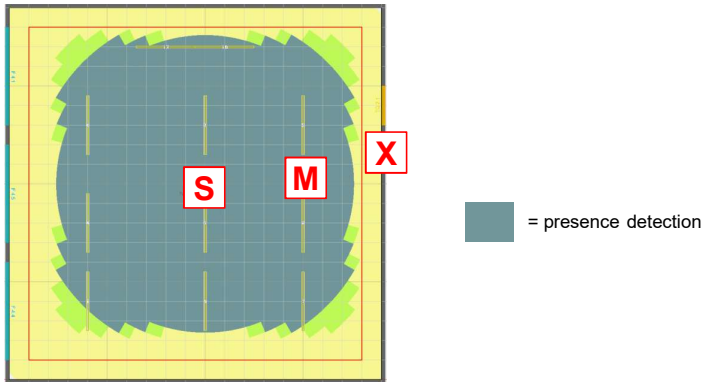


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Designation	MH	R	P	T
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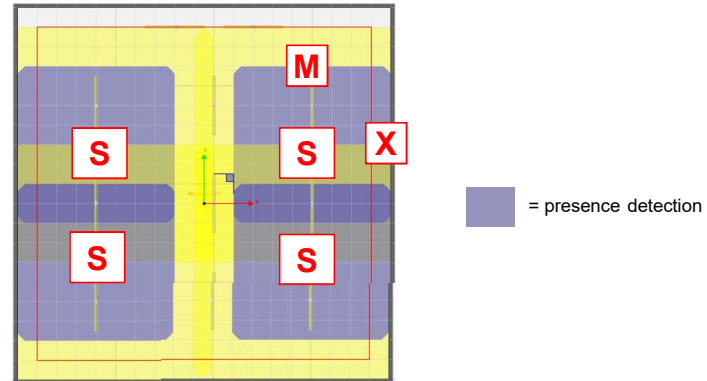


8.3 Classroom & Training room HCL^{live}

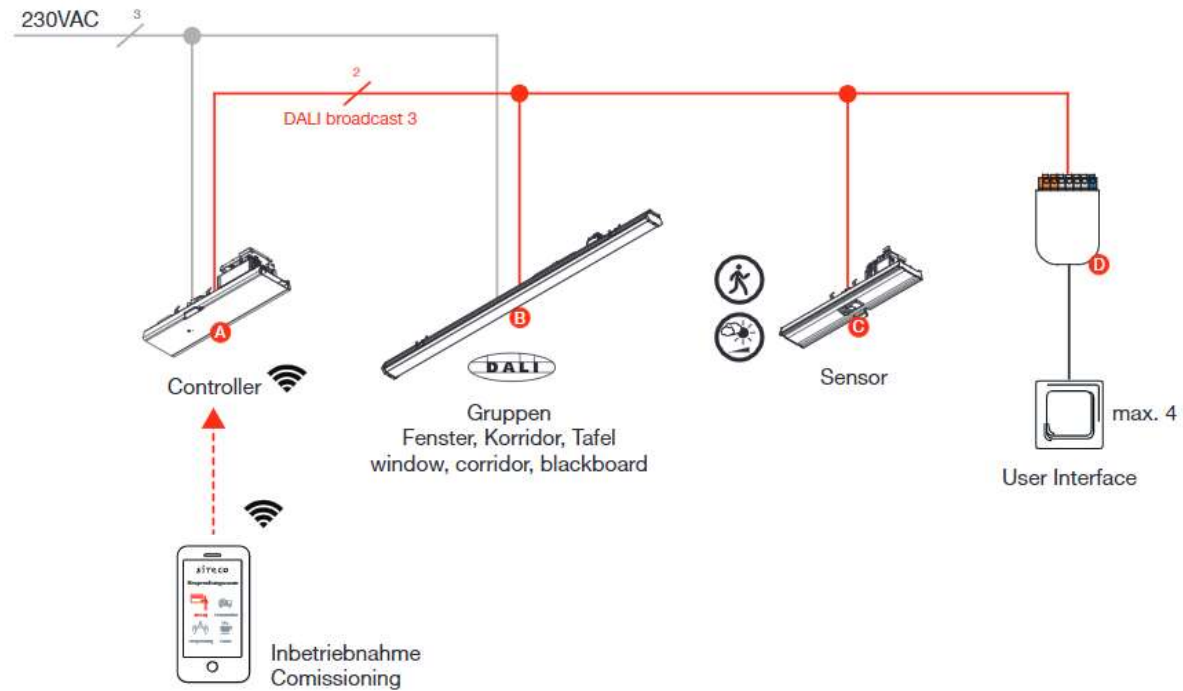
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8.3 Classroom & Training Room



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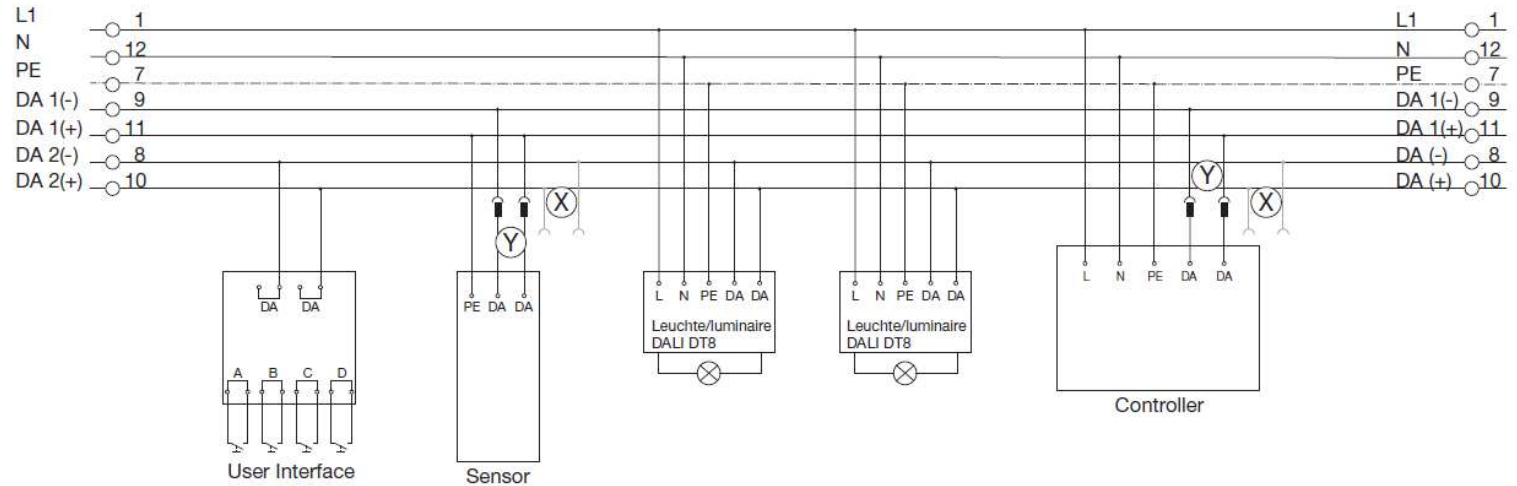
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Stromlaufplan/wiring diagram

Licross® 11/21 Controller lokale Steuerung Licross® 11/21 Controller local control



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