

siteco



# SITECO Connect

Application scenarios shelving / high-bay  
warehouse

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# Shelving / high-bay warehouse

Application scenarios		
Application	Shelving / high-bay warehouse	
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





## **Shelving / high-bay warehouse Licross® trunking local control**

The application example shows the realisation of a rack or high-bay warehouse.

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

Commissioning is simple and intuitive using Smart Remote.

- Shelf storage
- High-bay warehouse



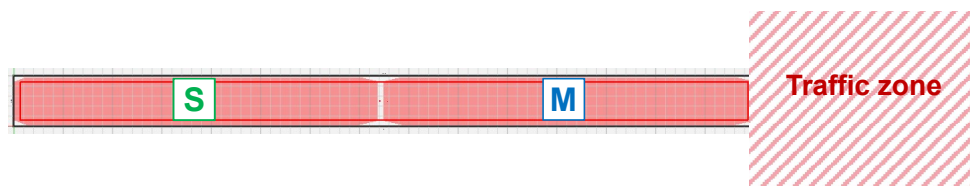
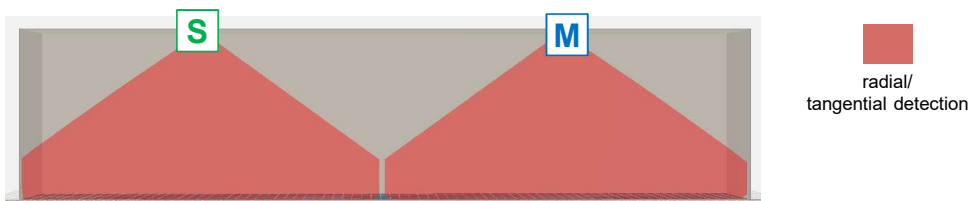
## Shelving/ High-bay warehouse

- ▶ **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



# Shelving / high-bay warehouse

**Example** (LPH = 14m, length = 60m, width = 4m)



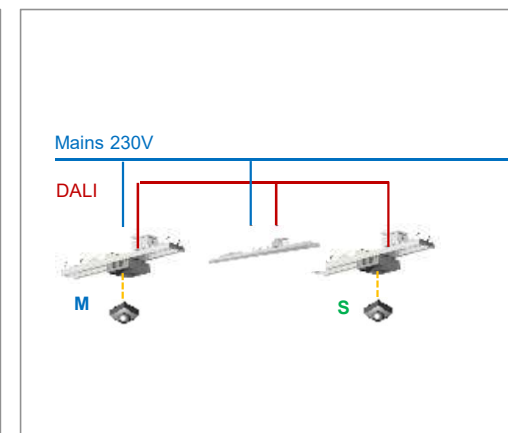
## Observe during planning:

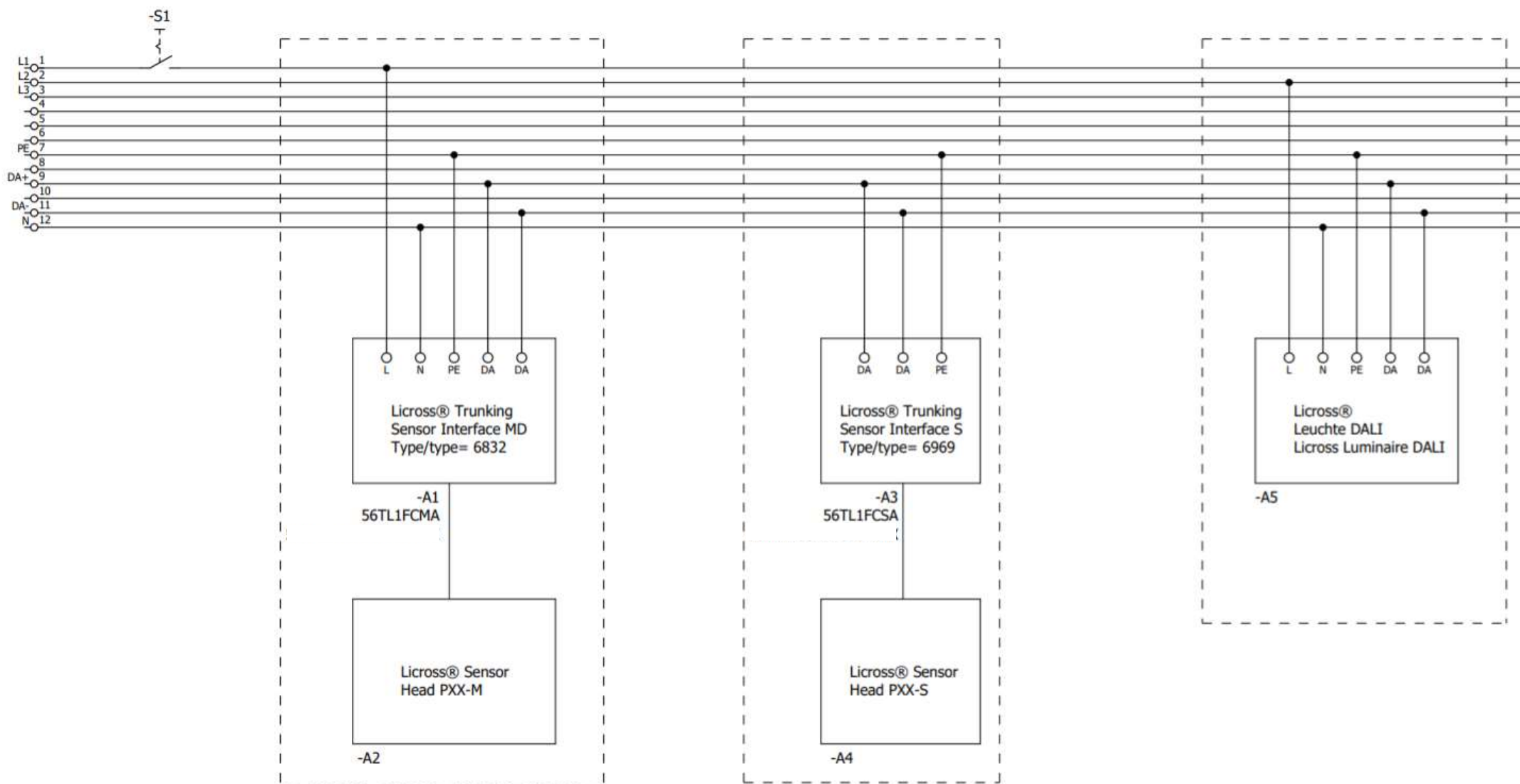
- **S** = immediate detection at entrance or entry (radial, sensor facing the traffic zone dimmed)
  - no detection of cross traffic on traffic zone
  - **M** = master sensor in the darkest part of the lighting group
- For other mounting heights, please refer to the Erf. range table!

Which products are required?		
Designation	Function	Order no.
Licross ® DALI luminaire & rail		specifically
Licross ® sensor interface MD + Sensor Head PR2-M	Master <b>M</b>	56TL1FCMA 59US1HXMPR2A
Licross ® sensor interface S + Sensor Head PR2-S	Slave <b>S</b>	56TL1FCSA 59US1HXSPR2A
Smart Remote	Commissioning	59UC3RCA

Maximum system sizes				
# DALI ECG	Max. 30	Max. 27	Max. 24	Max. 21
# Master	1x <b>M</b>	1x <b>M</b>	1x <b>M</b>	1x <b>M</b>
# Slave	0x <b>S</b>	1x <b>S</b>	2x <b>S</b>	3x <b>S</b>

Sensor Head			
Designation	MH	R	T
PR2 (Relux-Article-#010591)	14	30x4m	30x4m
	12m	30x4m	30x4m
	10m	25x4m	25x4m
	8m	20x4m	20x4m
	6m	15x4m	15x4m
	4m	10x4m	10x4m





# Shelving / high-bay warehouse

## 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.





## **Shelving / high-bay warehouse Licross® trunking central control system**

The application example shows the realisation of a rack or high-bay warehouse.

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.

- Shelf storage
- High-bay warehouse



## Shelving/ High-bay warehouse

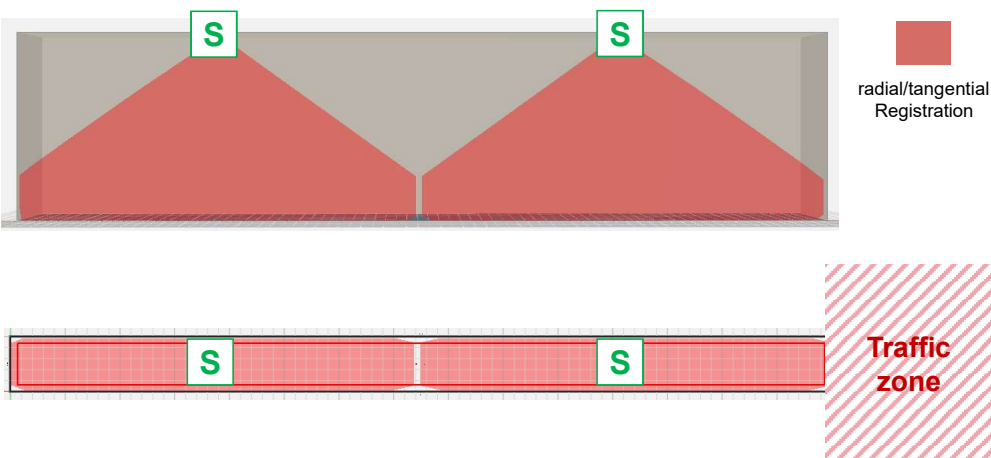
- ▶ **Efficiency** through integrated basic energy-saving functions
- ▶ **Safety** through sensors with high detection quality
- ▶ **Modularity** and **freedom** in planning thanks to the Licross® family concept
- ▶ **Retrofitting** through modular sensor interfaces in existing plants
- ▶ **Future-proof**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

**Example** (LPH = 14m, length = 60m, width = 4m)



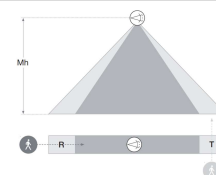
## Observe during planning:

- **S** = immediate detection at entrance or driveway (radial, sensor possibly dimmed to the traffic zone)
  - no detection of cross traffic on traffic zone
- For other mounting heights, please refer to the Erf. range table!

Which products are required?		
Designation	Function	Order no.
Licross ® DALI luminaire & rail		specifically
Licross ® sensor interface S + Sensor Head PR2-S	DALI 2	56TL1FCSA 59US1HXSPR2A
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

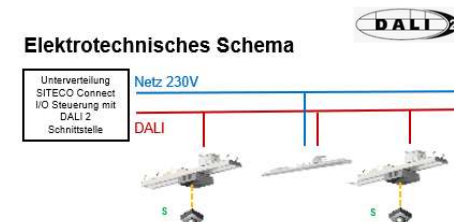
## SITECO Connect I/O - maximum system sizes

# DALI ECG	Max. 63 per DALI 2 Line
# Sensors	Max. 30 per DALI 2 line (Attention, Current consumption note! Max. Output current of the DALI Control must not be exceeded )

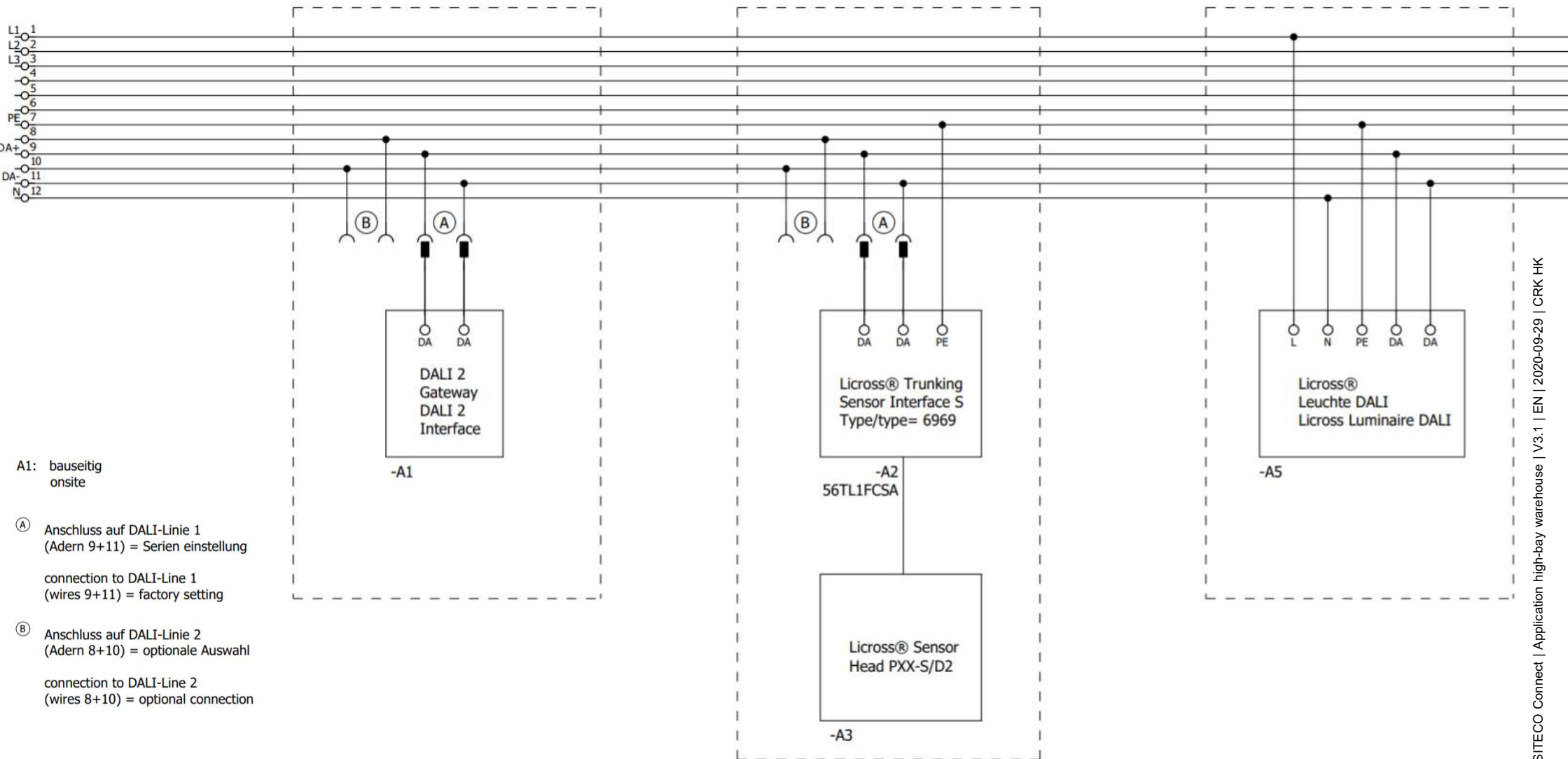


Sensor Head			
Designation	MH	R	T
PR2 (Relux-Article-#010591)	14	30x4m	30x4m
	12m	30x4m	30x4m
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	8m	20x4m	20x4m
	6m	15x4m	15x4m
	4m	10x4m	10x4m

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







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### Note

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