

Qubo Wall

Assembly and operating instructions

visplay

These instructions facilitate the safe and effective use of the “Qubo Wall” product.

This manual is a component of the product and must be kept on hand in the vicinity of the product at all times.

All personnel who deal with the product must have read this manual. Compliance with all the safety instructions and handling instructions specified in this manual is a prerequisite for safe work.

The illustrations in this manual are provided for the purposes of general understanding and may deviate from the actual version.

All dimension information in this manual is specified in mm.

Quality assurance

All processes in our company are subject to a comprehensive management system, which conforms to the quality standard ISO 9001 and the environmental standard ISO 14001.

The Zertifizierungs- und Umweltgutachter GmbH (BSI) company audits this management system regularly and documents compliance with the standard via a certificate.

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Content

1 Safety	3
1.1 Explanation of symbols	3
1.2 Intended use	3
1.3 General hazards	3
2 Product description	3
2.1 Overview.....	3
2.2 Brief description.....	3
2.3 Power supply.....	3
3 Technical data	4
3.1 Dimensions	4
3.2 Connected loads	4
3.3 Weight loading	4
3.4 Scope of delivery and accessories	4
3.5 Unpacking	6
3.6 Storage	6
3.7 Installation location requirements.....	6
3.8 Wall frame mounting.....	7
3.9 Support frame for shelf	8
3.10 Cable and converter tray	9
3.11 Plug-in shelf bracket with anti-rotation device	9
3.12 Visplay connector system.....	10
4 Operation.....	11
4.1 Cleaning.....	11
5 Dismantling and disposal.....	11
5.1 Dismantling	11
5.2 Disposal.....	11

1 Safety

1.1 Explanation of symbols

Safety instructions are indicated in this manual as follows.

! WARNING

A warning notice designated in this manner indicates a potentially dangerous situation that could result in death or serious injury if it is not avoided.

NOTE

A warning notice designated in this manner indicates a potentially dangerous situation that could result in material damage or environmental damage if it is not avoided.

1.2 Intended use

The product is designed exclusively to hold merchandise supports for displaying goods.

Only merchandise supports and consumers that comply with the specifications in this manual are approved.

In the event of misuse, there is the danger that the merchandise supports and the electrical devices will be damaged. This can result in injuries and damage to the product.

Area of implementation

The product may only be used in the commercial area.

Personnel

This manual describes how to install the product and how to operate and clean the product. Consequently after the product is installed this manual must be transferred to the end user.

The contents of the section on "Assembly" is directed at personnel, who undertake the assembly and the electrical connection (e.g. shop fitters, qualified electricians).

The contents of the section on "Handling" is directed at the end users (e.g. sales personnel, visual merchandisers).

1.3 General hazards

- > Use only approved accessories and electrical devices.
- > Comply with the permitted connection, maximum load and equipment values.
- > Do not lean any ladders against the merchandise supports.
- > Do not load the merchandise supports above the maximum load capacity.
- > Do not place any receptacles, from which fluids can escape, on the merchandise supports.
- > Keep moisture away from current conducting components.

2 Product description

2.1 Overview

The Qubo Wall is a structural system with a high degree of design freedom for use in wall structures.

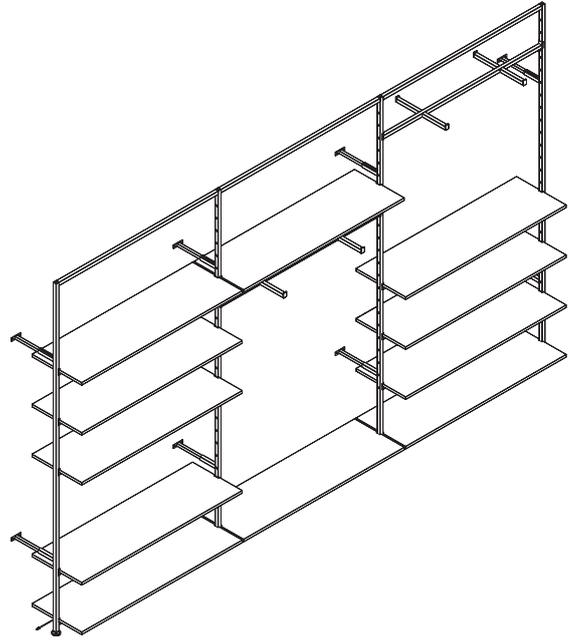


Fig. 1: Qubo Wall

2.2 Brief description

Qubo Wall is a steel upright with or without an integrated power track for electrified shelves with LED luminaires, with a 87.5 mm hole matrix. This allows the use of shelves with integrated light fittings for additional illumination of the goods on display.

The wall system can be configured in multiple ways by fitting connecting tubes.

2.3 Power supply

The 24 V distributor supplies power to a maximum of 8 connections, each with a maximum of 2 x 90 W converters. The switched input enables the use of a switch.

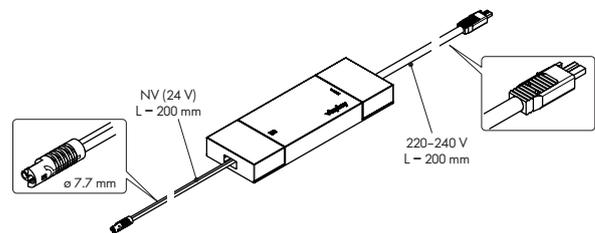


Fig. 2: Converter

NOTE

It is imperative to take account of power consumption of the electrical devices. The dimmer set 318-271.19 is required for the use of dimmers!

For an overview of the electrical connection of the wall uprights and the required components see the section on Electrification .

3 Technical data

3.1 Dimensions

Converter dimensions, power-dependent

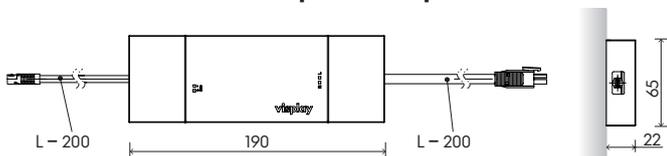


Fig. 3: Converter dimensions

3.2 Connected loads

General

Specification	Value	Unit
Operating voltage	220-240	V AC
Frequency	50-60	Hz
Nominal voltage (SELV)	24	V DC
Maximum load	90	W
Mains protection class; converter 10-180 W	II	
Maximum housing temperature (converter)	90	°C

3.3 Weight loading

The maximum load applies including the dead weight and the weight of all components

Wall upright

Specification	Load
Maximum load	120 kg

Shelves

Specification	Load
Maximum load	40 kg

Hanging rail

Specification	Load
Maximum load	40 kg

Hanging rail with front arms

Specification	Load
Maximum load	40 kg

3.4 Scope of delivery and accessories

3.4.1 Wall uprights

Steel uprights with or without integrated power track for supplying electricity to shelves with LEDs.

The spigots are for fitting connecting tubes. The wall uprights are available in the following configurations:

- Wall upright on the outer left, electrified and non-electrified (A)
- Wall upright in the centre, electrified and non-electrified (B)
- Wall upright on the outer right, non-electrified (C)

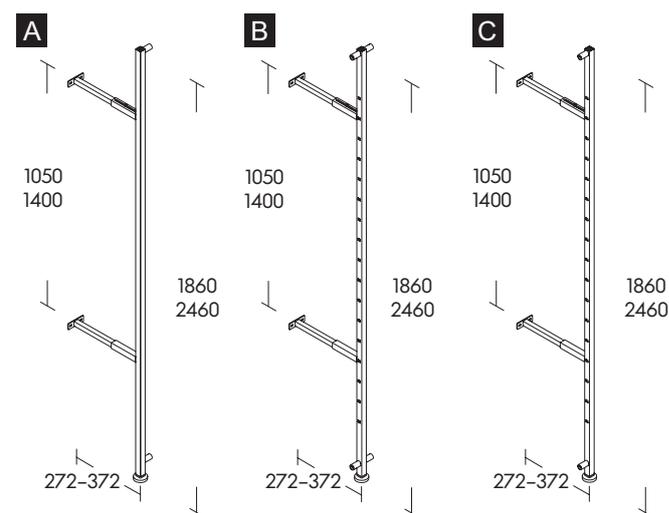


Fig. 4: Wall uprights

3.4.2 Connecting tube set

The connecting tubes are screwed on to the spigots on the wall uprights. Please use the assembly key (111-844.12).

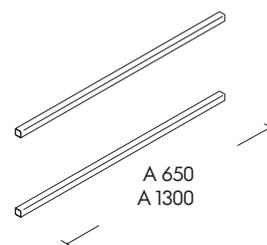


Fig. 5: Connecting tubes

3.4.3 Support frame for shelf

The support frames are used to install glass and wooden shelves. They are suspended between the wall uprights using shelf supports.

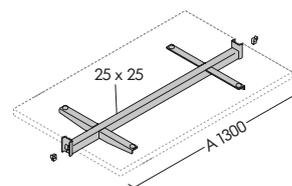


Fig. 6: Support frame for non-electrified shelf

3.4.4 Support frame for electrified shelf

The support frames are used to support glass and wooden shelves. They are suspended between the wall uprights using shelf supports. The shelf support set consists of two supports, one of which is for the power take-up (/1). A 5 W/10 W LED light (/2) is built into the electrified support frame. The power take-up is on the left side.

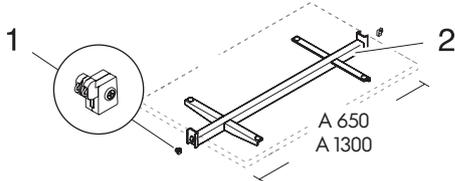


Fig. 7: Support frame for electrified shelf

3.4.5 Hanging rail

The hanging rail is suspended between the wall uprights using shelf supports.

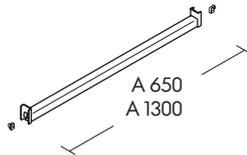


Fig. 8: Hanging rail

3.4.6 Front arm

The front arm is suspended over the hanging rail.

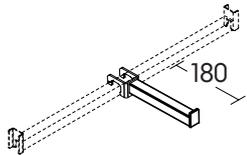


Fig. 9: Front arm

3.4.7 Hanging rail with front arms

The hanging rail is suspended between the wall uprights using shelf supports.

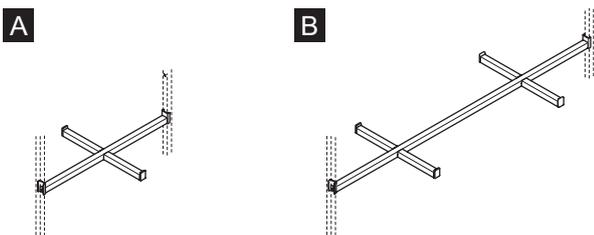


Fig. 10: Hanging rail with front arms

The hanging rails are available in the following configurations:

- Hanging rail with one front arm on both sides for 650 mm axis (A)
- Hanging rail with two front arms on both sides for 1300 mm axis (B)

3.4.8 Plug-in shelf brackets

The plug-in shelf brackets are inserted via the lower connecting tube. The two locking devices prevent the tube from twisting.

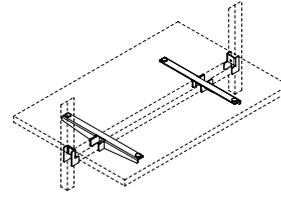


Fig. 11: Plug-in shelf brackets with anti-rotation device

3.4.9 LED spotlight

The LED spotlight is plugged into the grid holes on the electrified wall upright.

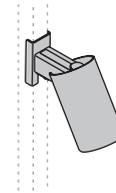


Fig. 12: LED spotlight

3.4.10 Single power adapter for connecting various consumers

The power take-up can only be fitted to an electrified frame (rear tube). Once inserted, the adapter must be locked into place by pushing it down.

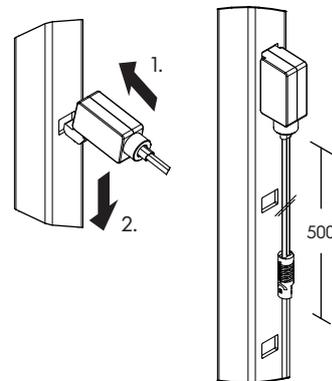


Fig. 13: Single power adapter with cable and socket

Specification	Value	Unit
Nominal voltage	24	V DC
Nominal current	max. 4	A

Installation

⚠ WARNING

Risk of injury from falling goods or merchandise supports. If the installation is not executed properly or if the substrate cannot accommodate the necessary loads, the system can fail.

> > **Make sure that the fixtures and the base can support a pulling force of 0.1 kN per mounting point.**

3.5 Unpacking

Check the delivery for completeness and transport damage immediately upon receipt.

Proceed as follows if there is apparent transport damage:

- Do not accept delivery, or only accept delivery subject to reservation.
- Note the scope of damage on the transport documents or on the delivery ticket of the freight forwarder.
- Initiate the claim process.

Packaging

The product is safely packed so that transport damage is unlikely.

- Keep the original packaging for later transport.
- Only ship the product in the original packaging.
- Comply with all instructions that are specified on the packaging.

Disposing of packaging material

If packaging material is no longer required, dispose of it in accordance with the locally-applicable disposal regulations.

3.6 Storage

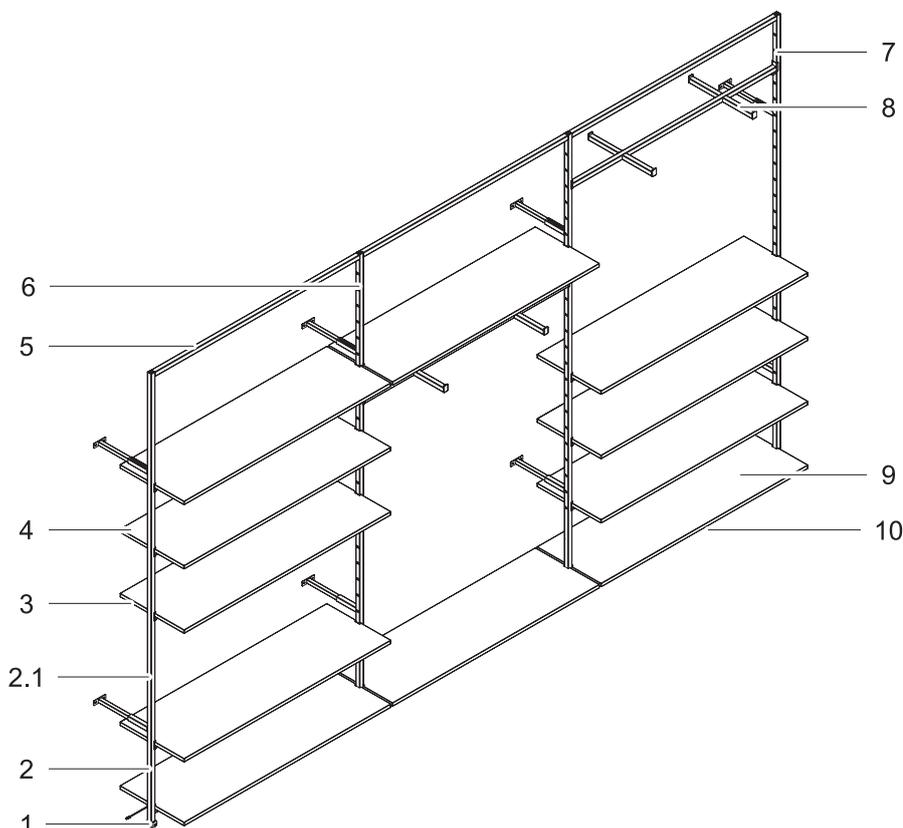
Store the product and its components under the following conditions:

- Do not store outdoors.
- Store in a dry and dust-free location.
- Do not expose to aggressive media.
- Protect from sunlight.
- Avoid mechanical shocks.
- Storage temperature: 23 °C
- Relative humidity: 50 %

3.7 Requirements for the installation location

The installation location must meet the following requirements:

- The installation location must be dry. Installation outdoors is prohibited.
- The ceiling must be designed for, and able to support, the load to be borne (check with architect and structural engineer).



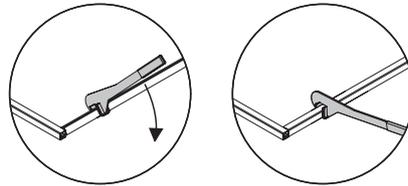
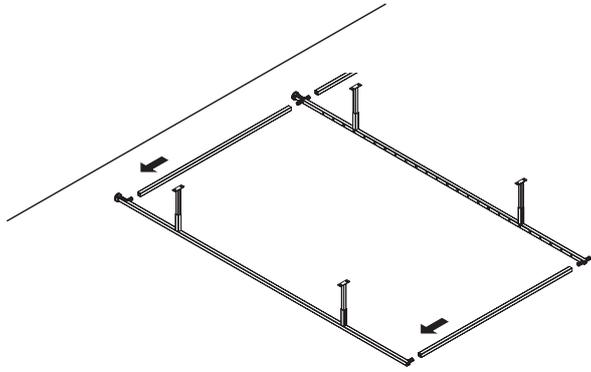
1	Glide, height-adjustable
2	Wall upright, outer left
2.1	Integrated power track
3	Support frame for shelf
4	Wooden/glass shelf
5	Connecting tube (top, bottom)
6	Wall upright, centre
7	Wall upright, outer right
8	Hanging rail with front arms
9	Plug-in shelf brackets
10	Cable and converter tray

3.8 Mounting the wall frame

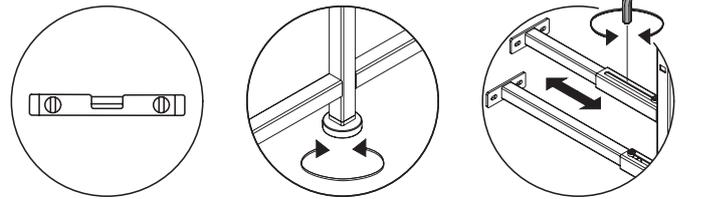
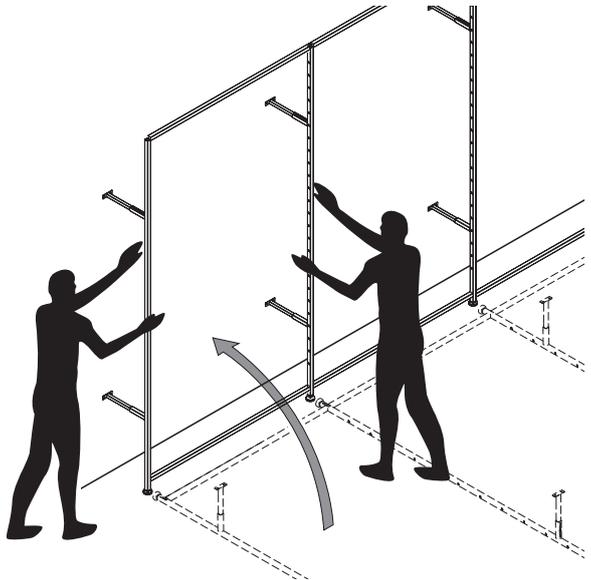
3.8.1 Connecting wall uprights with connecting tubes

NOTE

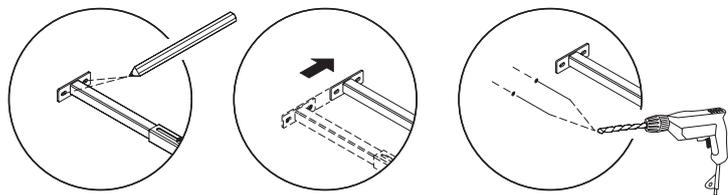
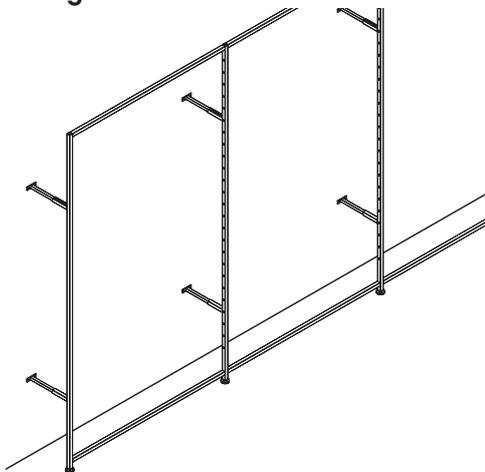
The connecting tubes must be twisted with the assembly tool and positioned properly.



3.8.2 Alignment on the wall



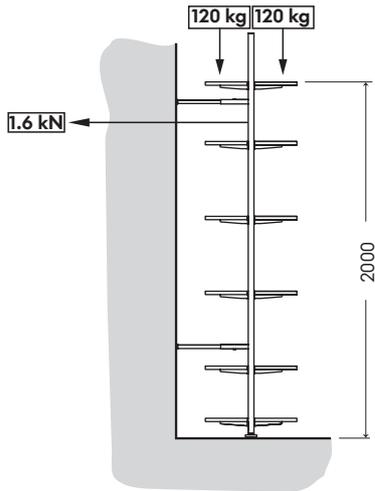
Fixing to the wall



NOTE

Please observe the indications concerning weight loading and ensure that the substructure of the wall units and their fixtures can support the expected loads

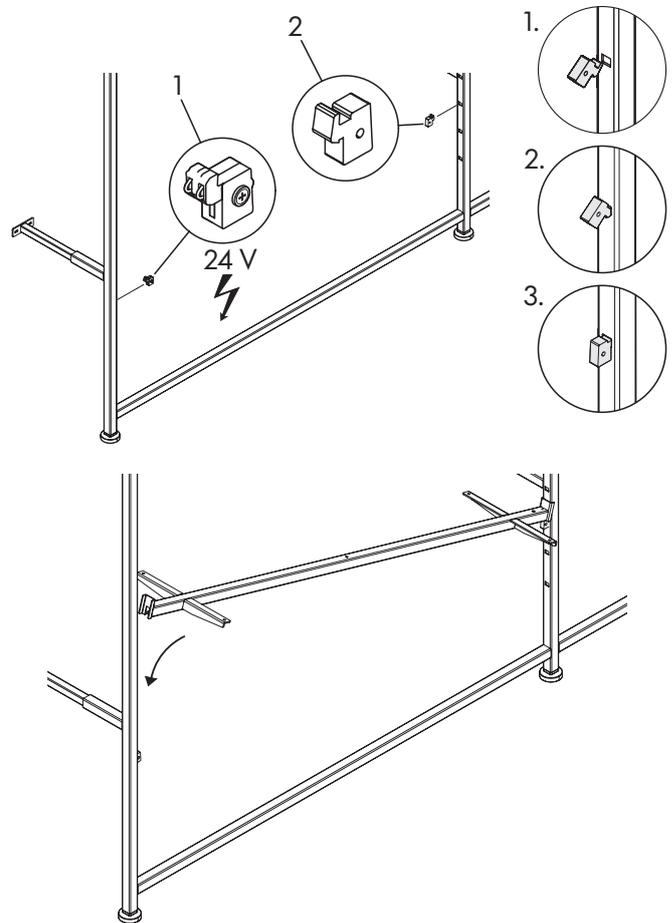
- > The permissible weight load of all accessories: max. 240 kg. The weight load must be reduced as the height of the accessories increases.
- > The correct size and type of anchor fixings must be used to suit the construction conditions.
- > Check anchor fixing as specified by manufacturer.
- > All mounting points must be used.



3.9 Support frame for shelf

NOTE

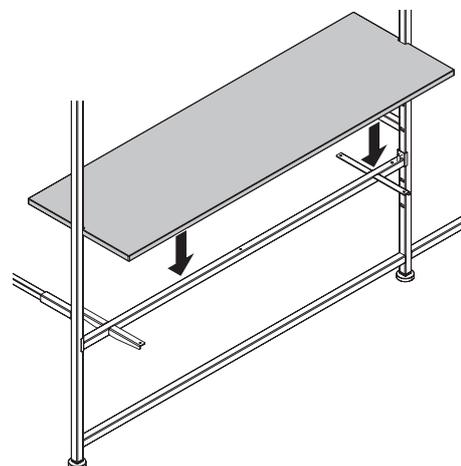
When using the electrified version, attention must be paid to the position of the electrified shelf support (1) on the shelf frame. The default position is on the left-hand side.



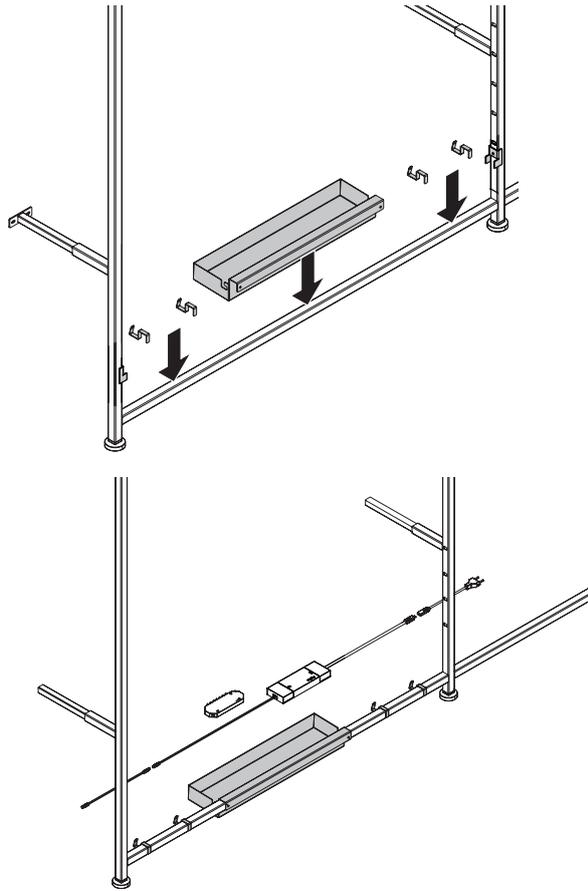
Construction drawings are available to download in the product section at www.visplay.com.

🔗 Drawing number:

- 100-0267 Wooden shelf 640 mm
- 100-0266 Wooden shelf 1290 mm
- 100-0265 Glass shelf 640 mm
- 100-0264 Glass shelf 1290 mm



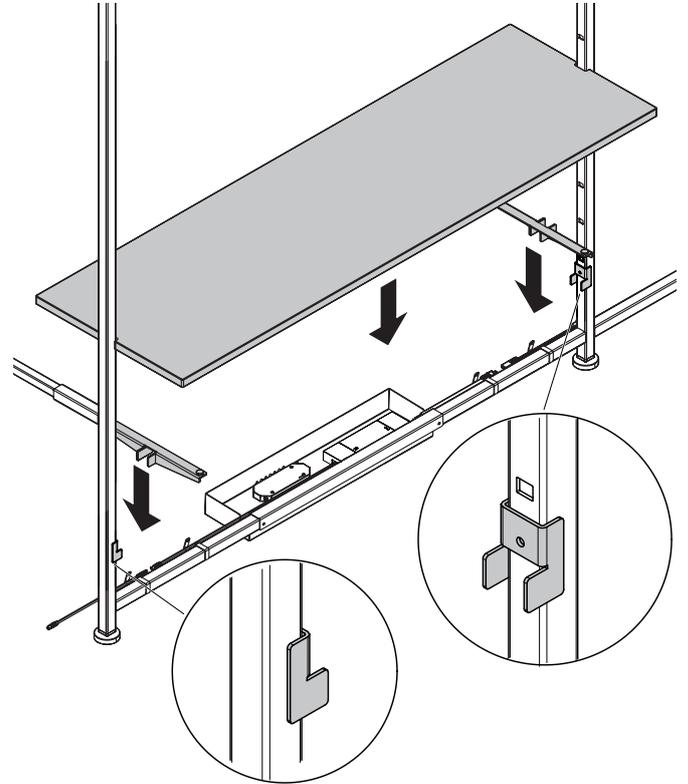
3.10 Installation of converter tray and cable holder and placement of converter and cable.



3.11 Plug-in shelf brackets with anti-rotation device

Construction drawings are available to download in the product section at www.visplay.com.

- 🔗 Drawing number:
100-0267 Wooden shelf 640 mm
100-0266 Wooden shelf 1290 mm

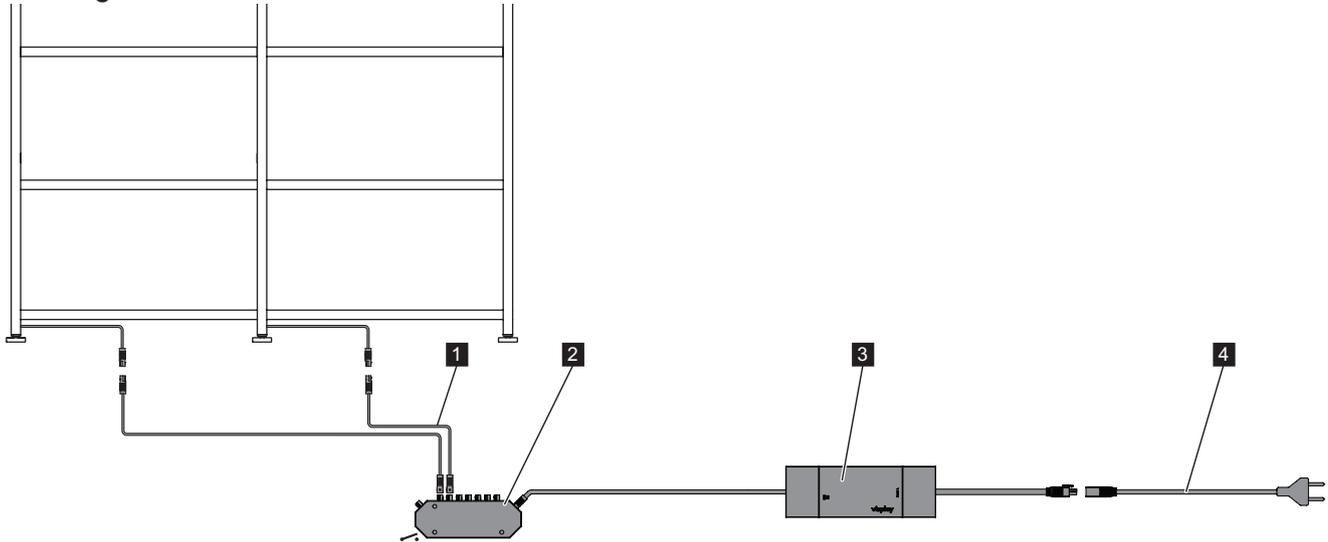


3.12 Visplay connector system

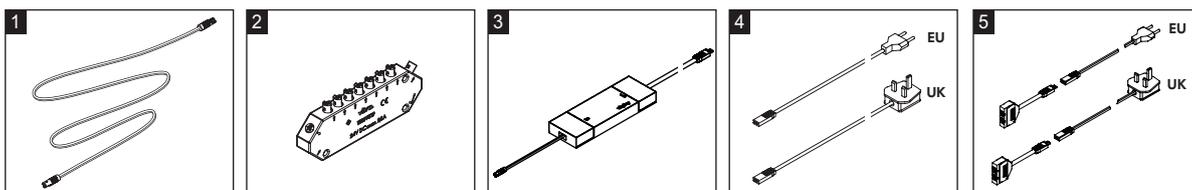
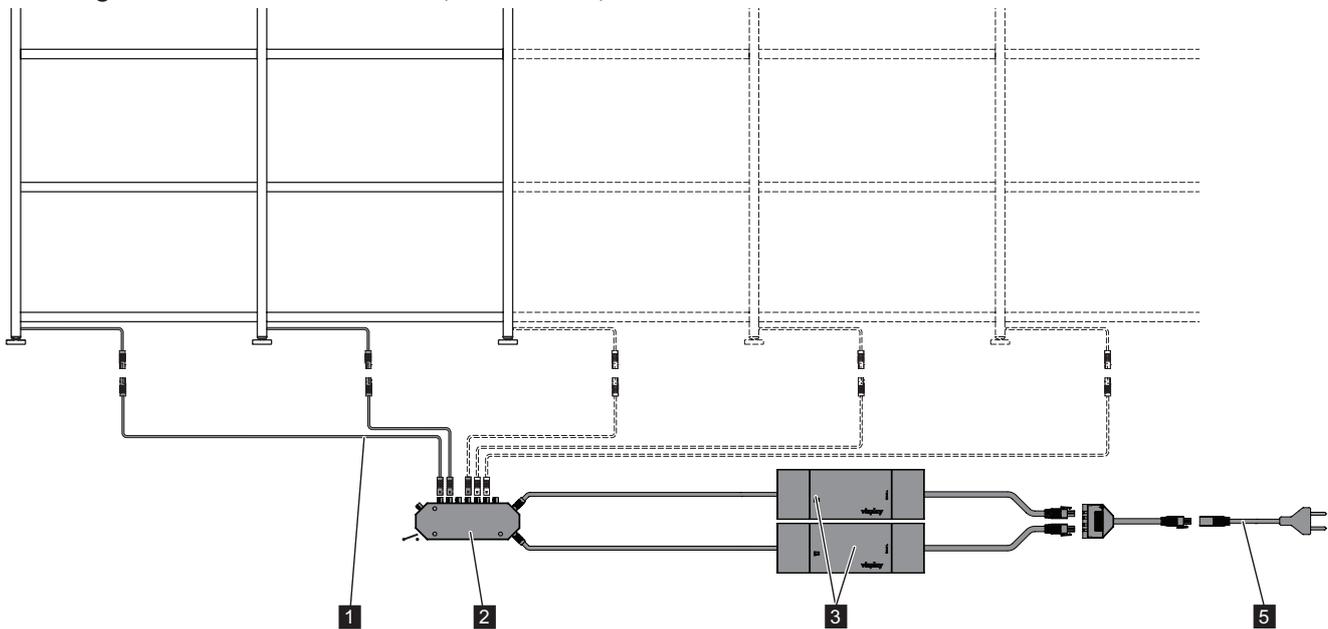
NOTE

It is imperative to take account of power consumption of the electrical devices! The power consumption of all electrical devices should be below the nominal output rating of the converter. It is generally recommended to factor in a power reserve for additional electrical devices.

Powering with 90 W converter



Powering with 2 x 90 W converters (max. 180 W)



- 1 Extension cable 24 V DC
- 2 24 V DC distributor, 8-way
- 3 90 W LED converter
- 4 Supply lead 220-240 V AC
- 5 220-240 V AC distributor, 4-way

4 Operation

! WARNING

If the maximum permissible load of the merchandise support is exceeded, merchandise supports and/or system can be damaged and cause injuries.

- > Observe the maximum load values of the individual merchandise supports.
- > Do not exceed the maximum load of 120 kg per upright.

4.1 Cleaning

During the course of time, dust and deposits from clothes hangers can settle on the merchandise supports. In order that the goods on display do not become soiled, the merchandise supports must be regularly cleaned.

Remove goods from the merchandise support.

1. Remove dirt on the merchandise support carefully with a soft, dry cloth.
2. Remove stubborn dirt with a mild cleaning agent.

5 Dismantling and disposal

5.1 Dismantling

- > Pull the power plug out of the power outlet.
- > Dismount converter and power distribution module (if present).

5.2 Disposal

NOTE

Hazards to the environment can occur if product components are disposed of improperly.

- > **Ensure product components are disposed of in a proper environmental manner or through waste management specialists.**
- > **Send components that can be recycled for recycling.**
 - Send metal components for recycling or scrapping.
 - Recycle plastic parts.
 - Have an approved specialized disposal company dispose of electrical and electronic components.
 - Dispose of other components according to their material characteristics.

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