

Xero 4 EVO

Instructions for assembly and use
USA & CANADA

visplay

This manual is provided to ensure the safe and effective use of the "Xero 4 EVO" 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.

Installation must only be carried out by qualified personnel or by persons who have been instructed and are familiar with the installation of the Xero 4 EVO system, and who have been trained in the relevant safety and installation guidelines.

Once all installation work has been completed, the entire structure and all connections must be carefully checked.

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

All dimension information in the diagrams is quoted in mm and inches.

Quality assurance

All processes in our company are subject to a comprehensive management system that satisfies the requirements specified in the ISO 9001 quality standard and ISO 14001 environment standard.

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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Our General Terms and Conditions apply for all orders.

All Xero 4 EVO components are



Content

1	Safety.....	3
1.1	Hazard levels indicated by warning notices	3
1.2	Intended use	3
1.3	General hazards.....	3
2	Product description.....	4
3	Technical data	4
3.1	Converter dimensions	4
3.2	Connected electrical loads	4
3.3	Mechanical loads	5
4	Assembly	6
4.1	Overview of assembly steps	6
4.2	Assembly dimensions.....	7
4.3	Recommendation for grid arrangement.....	8
4.4	Hole dimensions.....	9
4.5	Shortening a profile	9
4.6	Inserting the panels into Xero 4 EVO profile	10
4.7	Assembly on wooden panels	10
4.8	Reinforcing panels	10
4.9	Electrification	11
4.10	Connecting an LED luminaire to wooden shelves for the 25x4/0.984x 0.157" bracket.....	12
4.11	Connecting an LED luminaire to wooden shelves for the single mounting bracket	13
4.12	Connecting an LED luminaire to wooden shelves for the mounting bracket Ø 15/0.591"	14
5	Operation.....	14
5.1	Fitting the wooden and glass shelves	14
5.2	Changing the position of the merchandise supports	15
6	General information	15
6.1	Cleaning.....	15
6.2	Storage	15
6.3	Disposal.....	15

1 Safety

1.1 Hazard levels indicated by warning notices

The following hazard levels alert you to potentially dangerous situations:

WARNING

A warning notice designated in this manner indicates a potentially dangerous situation that can 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 application

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).

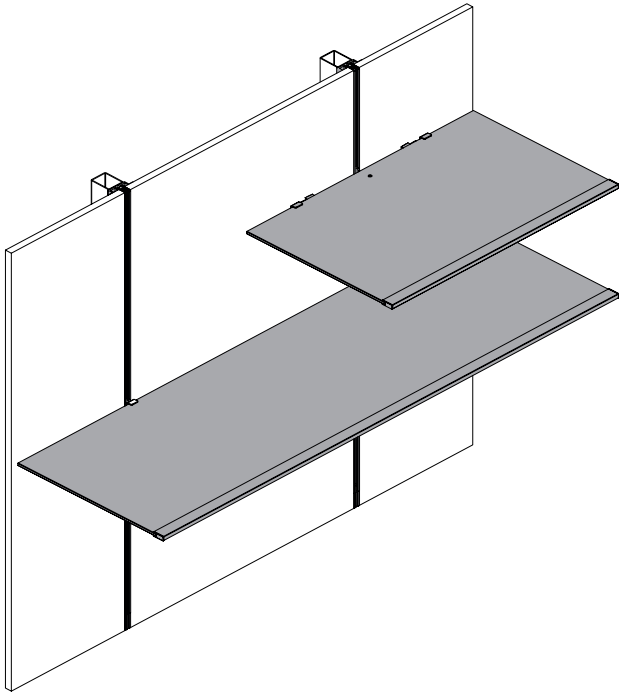
1.3 General hazards

- ▶ Use only approved accessories and electrical devices. Do not use any third party components.
- ▶ Do not make any alterations to the product; the only exception being the shortening of profiles from the upper side.
- ▶ 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.
- ▶ If used incorrectly or cleaned with liquids, exposed parts may be live.
Tracks and adapters with visible damage must be disconnected from the power supply. An electrician must be notified immediately.
- ▶ Assemble or dismantle only when power plug is pulled out.
- ▶ The safety notices in these assembly instructions must be followed, as must the information on component labels.
- ▶ The indicated nominal current (max. 7 A) may not be exceeded.
- ▶ The user is responsible for ensuring that any connected equipment is electrically, mechanically and thermally compatible with the power track.
- ▶ Correct functioning and safety are guaranteed when properly used. No liability is accepted in the event of improper use.

2 Product description

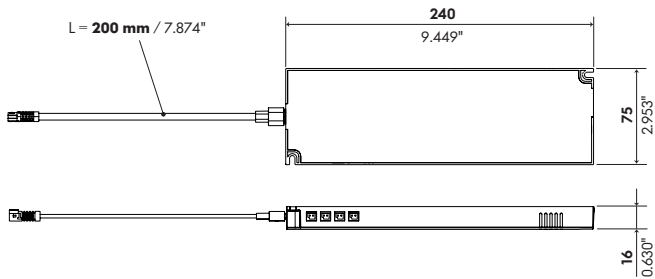
Clean lines for flexible displays: The Xero 4 EVO combines a sleek aluminium profile with integrated electrification. The system provides a precise framework for flexible displays on walls and in the central space

Xero 4 EVO adds structure to spaces without dominating them. Merchandise supports and electrified shelves are hooked directly into the vertical slots in the profile. This turns the wall into a functional surface. Hanging rails, front arms and other assembly items expand the range of display options. The design can be planned freely, not tied to any particular position and open to change.



3 Technical data

3.1 Converter dimensions



3.2 Connected electrical loads

Specification	Value
Input voltage	100-240 V AC
Frequency	50-60 Hz
Outlet tension	24 V DC
Power	max. 96 W / Int. 150 W (not US/CA)
Protection class	II
IP protection type	IP20
Maximum operating temperature	40°C / 104°F
Maximum ambient temperature	25°C / 77°F

3.3 Mechanical loads

⚠ WARNING

Risk of injury from falling objects and system components.

The system can fail if the maximum permissible load on the system or on its individual components is exceeded.

- Do not exceed the maximum permitted loads.

- Please observe the permissible loads for the accessories used.
- The specified loads always refer to the combined weight of the merchandise supports and the merchandise.
- Please note that the load-bearing capacity decreases as the length of the merchandise support increases.
- Please note that the angle of the merchandise supports changes as the load increases. If the loads on the merchandise supports vary, this can result in an uneven presentation of the merchandise.
- The maximum load of the Xero 4 EVO depends on the nature of the wall, on the number of fixing points and on the fixing material used.
- All fastening points are to be used in event of maximum loads.
- Please also note the loads specified in our sales documentation.

Maximum load		
Profile	per 1000 mm/39.370"	100 kg/220.5 lbs
Hanger set for wall rail		80 kg/176.4 lbs
Hanger arm		20 kg/44.1 lbs
25 x 4 mm/0.984" x 0.157" bracket with 24 V single power adapter	per bracket	20 kg/44.1 lbs
Glass shelf with LED luminaire for 25 x 4 mm/0.984" x 0.157" bracket		20 kg/44.1 lbs
25 x 4 mm/0.984" x 0.157" bracket for wooden and glass shelves	per bracket	20 kg/44.1 lbs
Shelf support bracket, 25 x 4 mm/0.984" x 0.157", with 24 V single power adapter, for wooden or glass shelves		20 kg/44.1 lbs
Glass shelf with LED luminaire for shelf support bracket		20 kg/44.1 lbs
Mounting bracket, Ø 15 mm/0.591", with 24 V single power adapter, electrified, for wooden shelves		20 kg/44.1 lbs
Mounting bracket, Ø 15 mm/0.591", for wooden shelves	per bracket	20 kg/44.1 lbs
Single mounting bracket with 24 V single power adapter, electrified, for wooden shelves		15 kg/33.1 lbs
Front arm, straight, Ø 25 mm/0.984"		25 kg/55.1 lbs
Bracket 25 x 4 mm/0.984" x 0.157", for hanging rail Ø 25 mm/0.984"	per bracket	20 kg/44.1 lbs
Bracket Ø 12 mm/0.472", for hanging rail Ø 15 mm/0.591"	per bracket	10 kg/22.0 lbs
Front arm, straight, Ø 12 mm/0.472"		10 kg/22.0 lbs
Bracket for hanging rail 30 x 15 mm/1.181" x 0.591", oval	per bracket	20 kg/44.1 lbs
Hook, straight, Ø 7.5 mm/0.295"		2 kg/4.4 lbs
Hook, straight, Ø 6 mm/0.236"		2 kg/4.4 lbs

4 Assembly

⚠ 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.

- ▶ Note and comply with all the following instructions on assembly.
- ▶ Please observe the notes about loads and ensure that the substructure of the wall units, furniture and their fixtures can support the expected loads.
- ▶ When using free-standing furniture, ensure it is stable and does not tip over, taking into account the merchandise support to be used.

⚠ WARNING

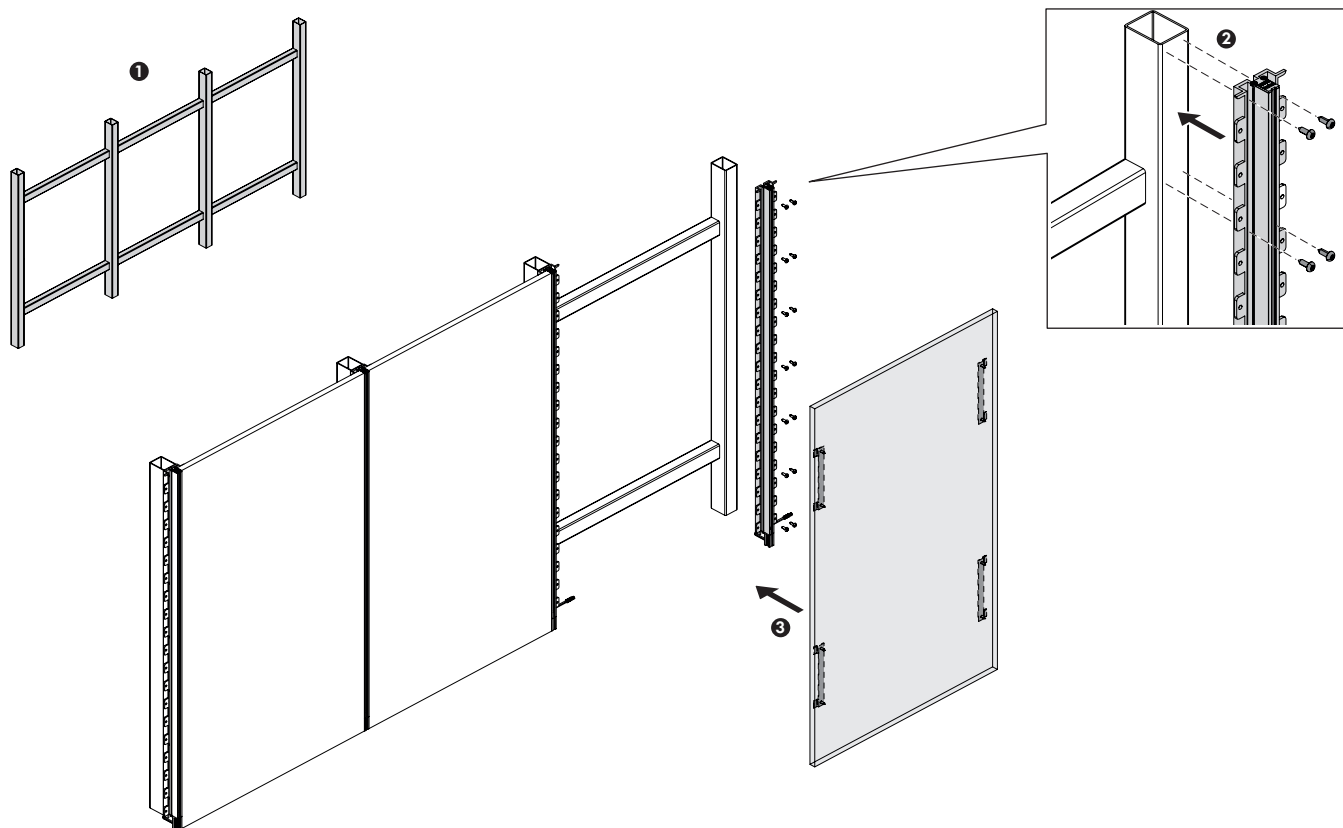
Risk of injury

Before the product is connected to the electrical power, the following conditions must be met:

- ▶ The product has been installed correctly and all electrical devices are assembled.

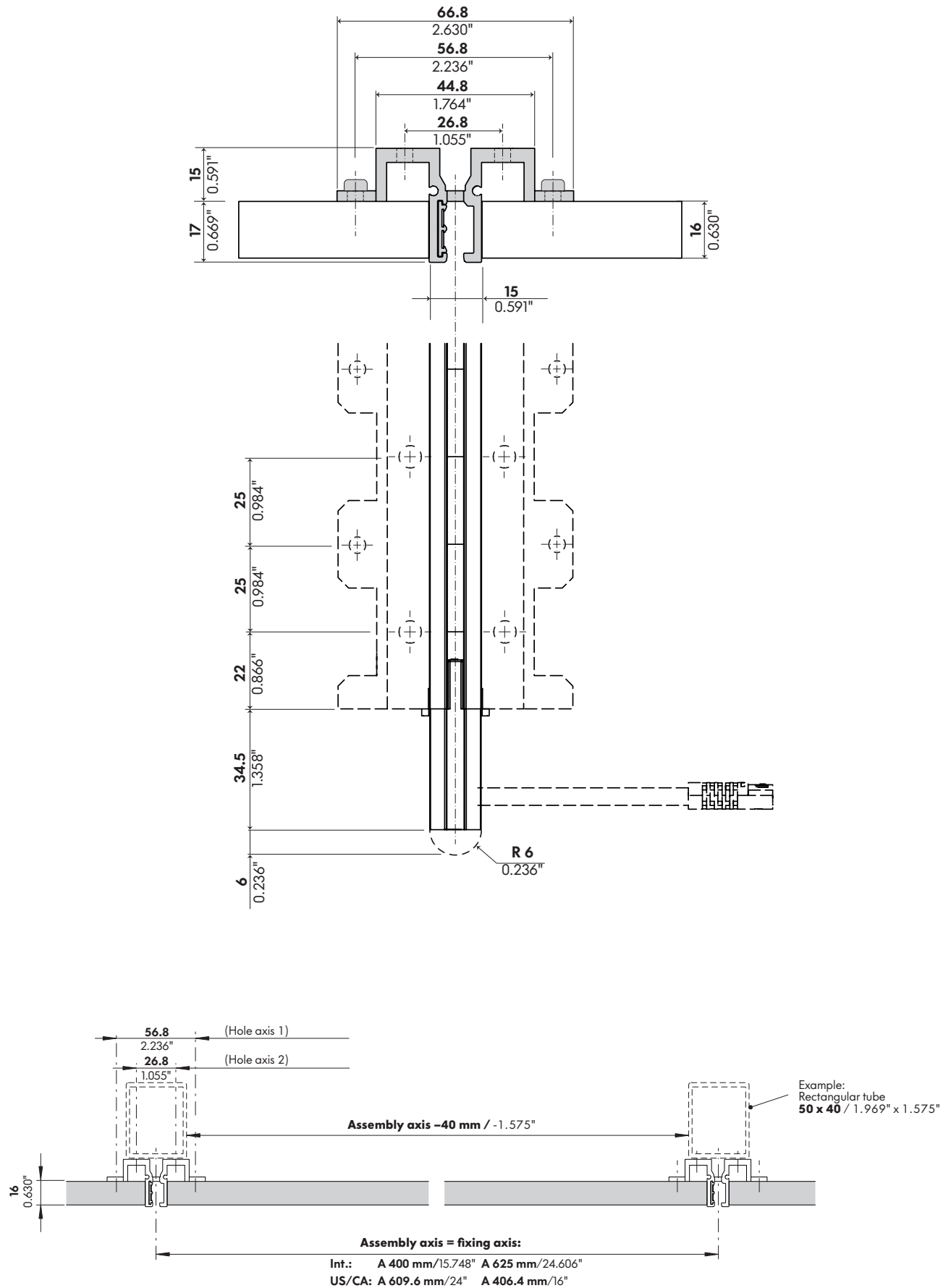
Xero 4 EVO profiles can be hung on various sub-structures on the wall and in the central space.

4.1 Overview of assembly steps



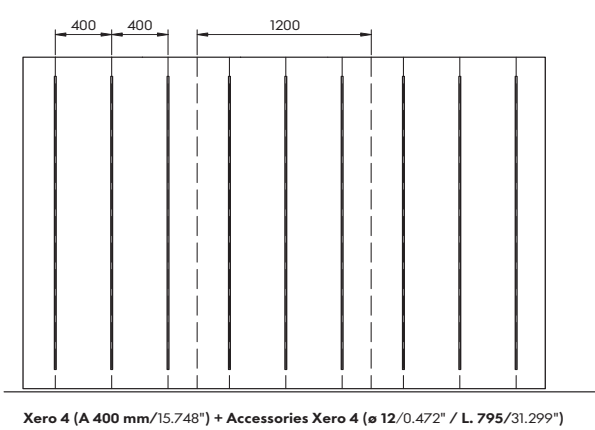
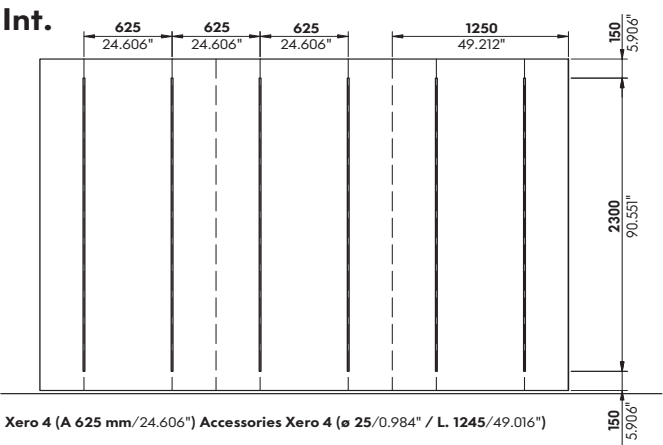
- 1 Build the substructure as shown in the example image (see „4.2 Assembly dimensions“ and „4.3 Recommendation for grid arrangement“)
- 2 Assemble the Xero 4 EVO profiles (see „4.4 Hole dimensions“ and „4.5 Shortening a profile“)
- 3 Hang the panels (see „4.6 Inserting the panels into Xero 4 EVO profile“)

4.2 Assembly dimensions

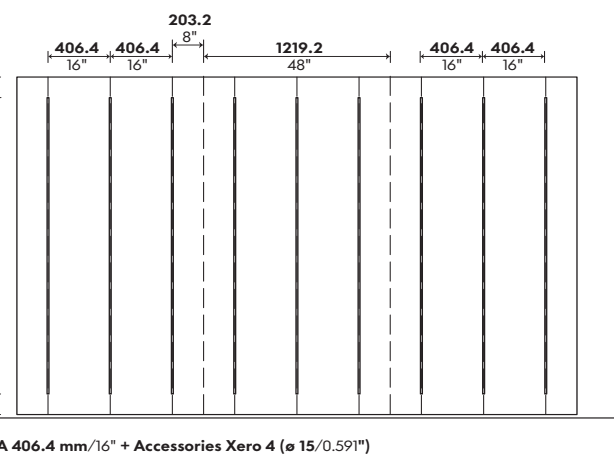
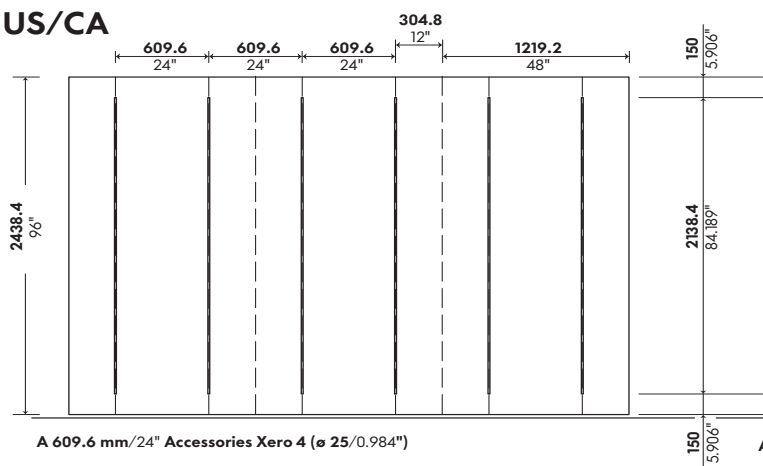


4.3 Recommendation for grid arrangement

Int.



US/CA

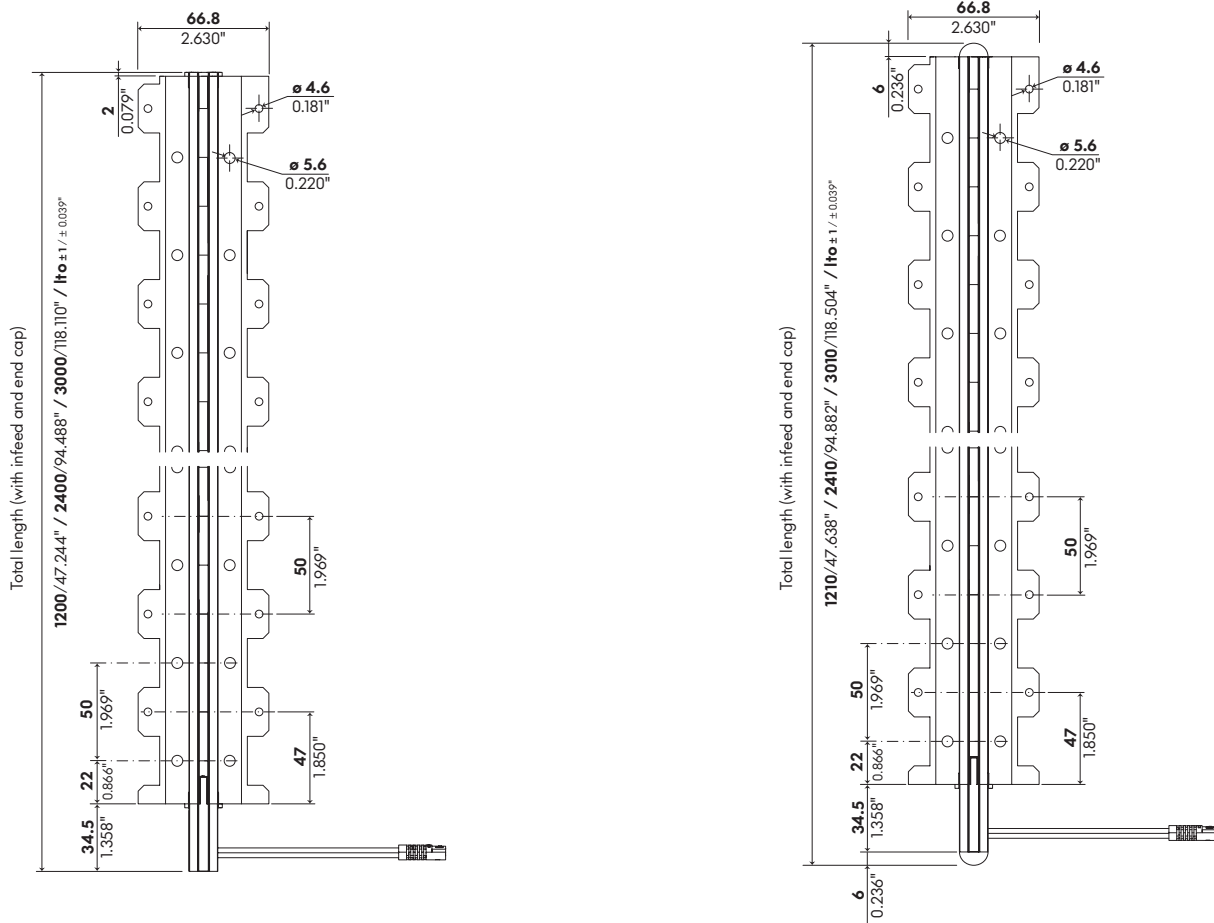


4.4 Hole dimensions

All fastening points are to be used in event of maximum loads!

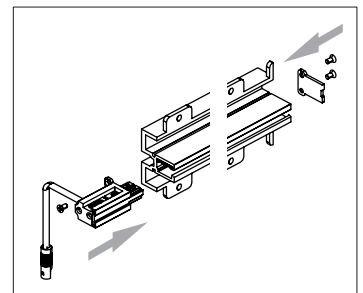
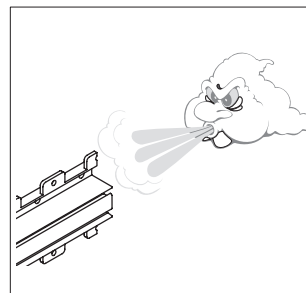
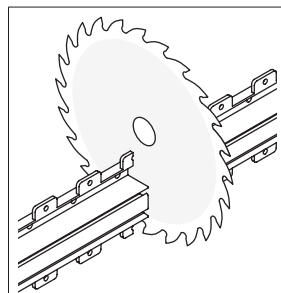
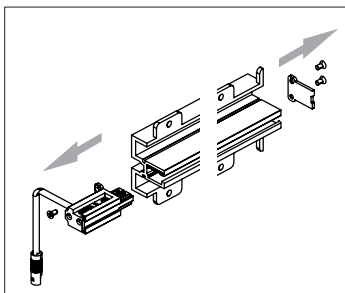


The power profile must only be used with end caps.
When installing the profiles, ensure that the power supply is at the bottom.

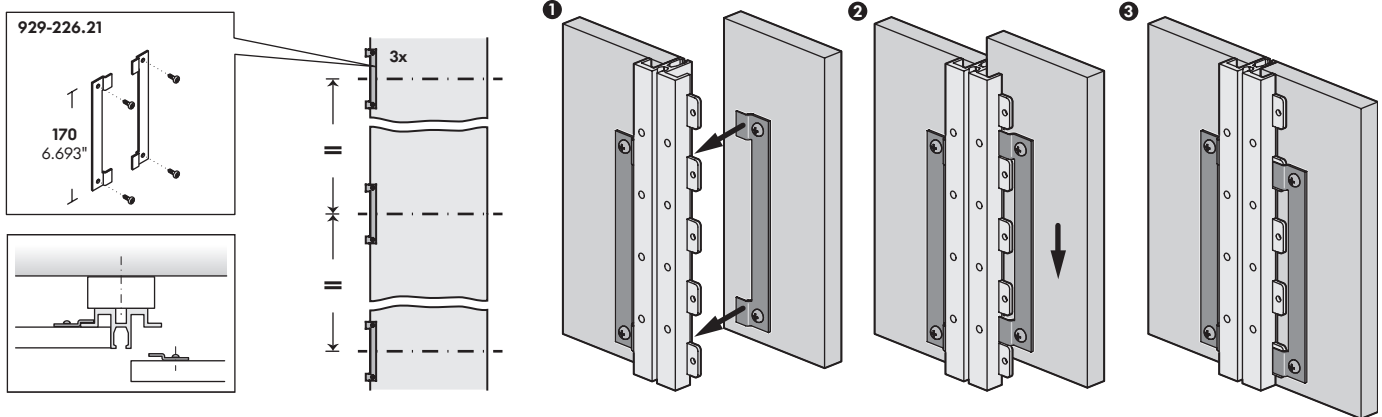


4.5 Shortening a profile

- ▶ Before shortening the profile, the electrical components and end caps must be removed.
- ▶ Always shorten the **top** side of the profile and deburr the edges.
- ▶ Remove all sawdust from the profile.
- ▶ After that, the electrical components and the end caps must be refitted.



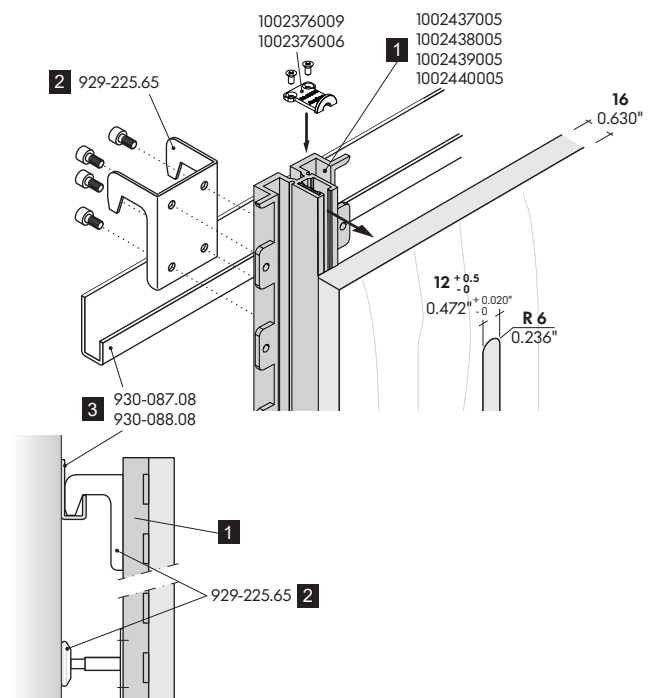
4.6 Inserting the panels into Xero 4 EVO profile



4.7 Assembly on wooden panels

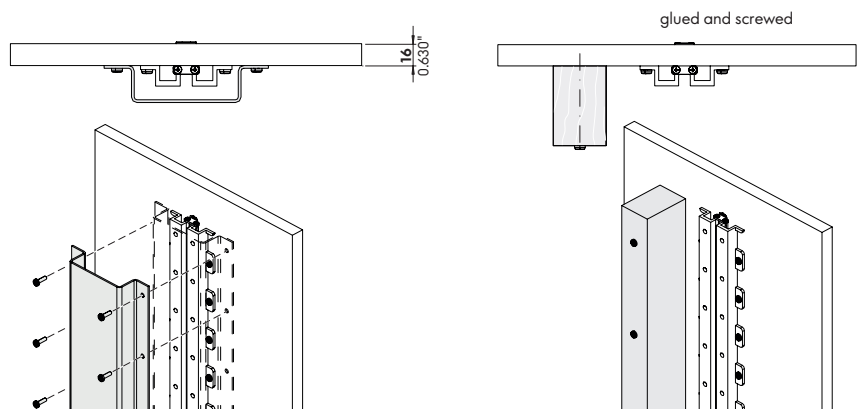
i Fix the profile end caps above and down to the profile, before the profile is installed on the panel.

- Screw the Xero 4 EVO (1) profile on to the panel from the rear.
- The fixing set (2) is fixed to the Xero 4 EVO profile.
- Hang the panels on the wall rail (3).



4.8 Reinforcing panels

Panels and sub-structures must be toughened against bowing. Wooden ledges or angle sections are suitable for this purpose.



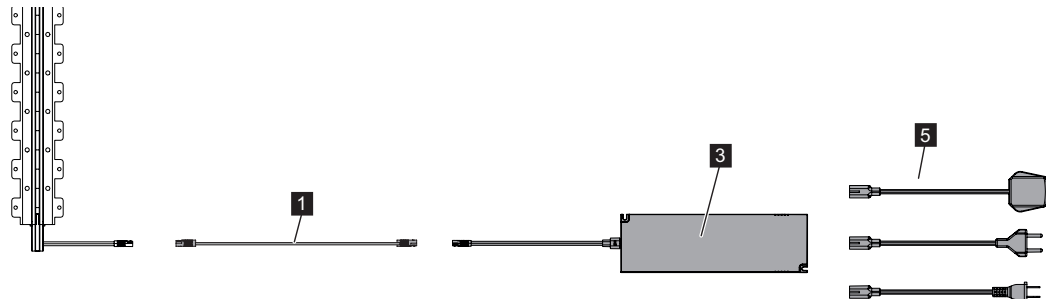
4.9 Electrification

Details of the electrified Xero 4 EVO: Power track with power supply integrated into the system support profile.

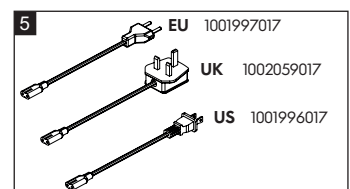
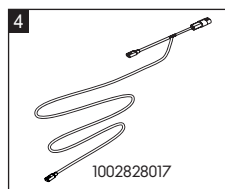
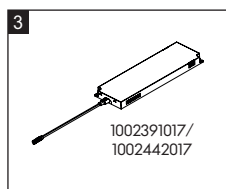
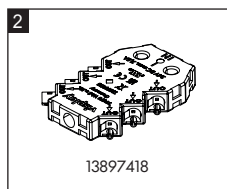
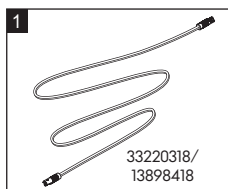
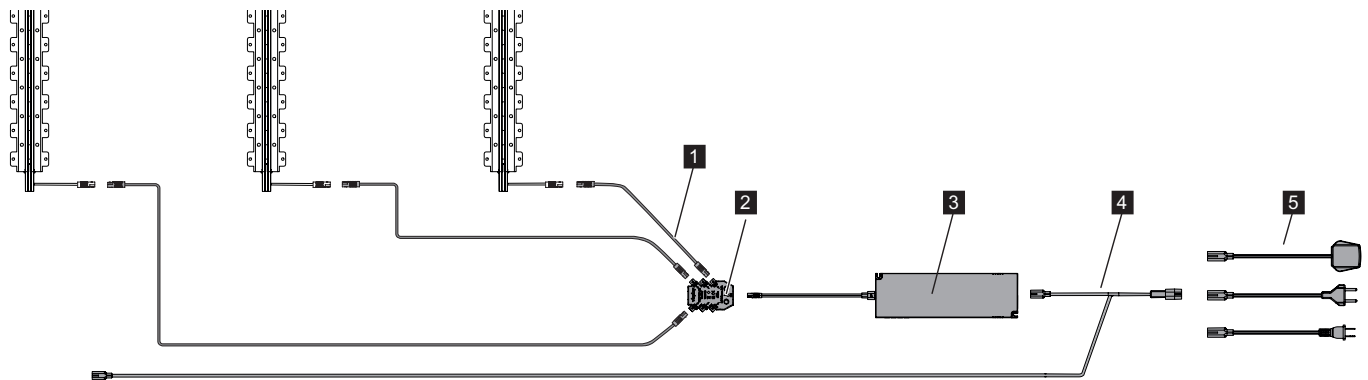
NOTE

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.

Operation with a 96 W / 150 W converter



Operation with a 96 W / 150 W converter and 6-way distributor

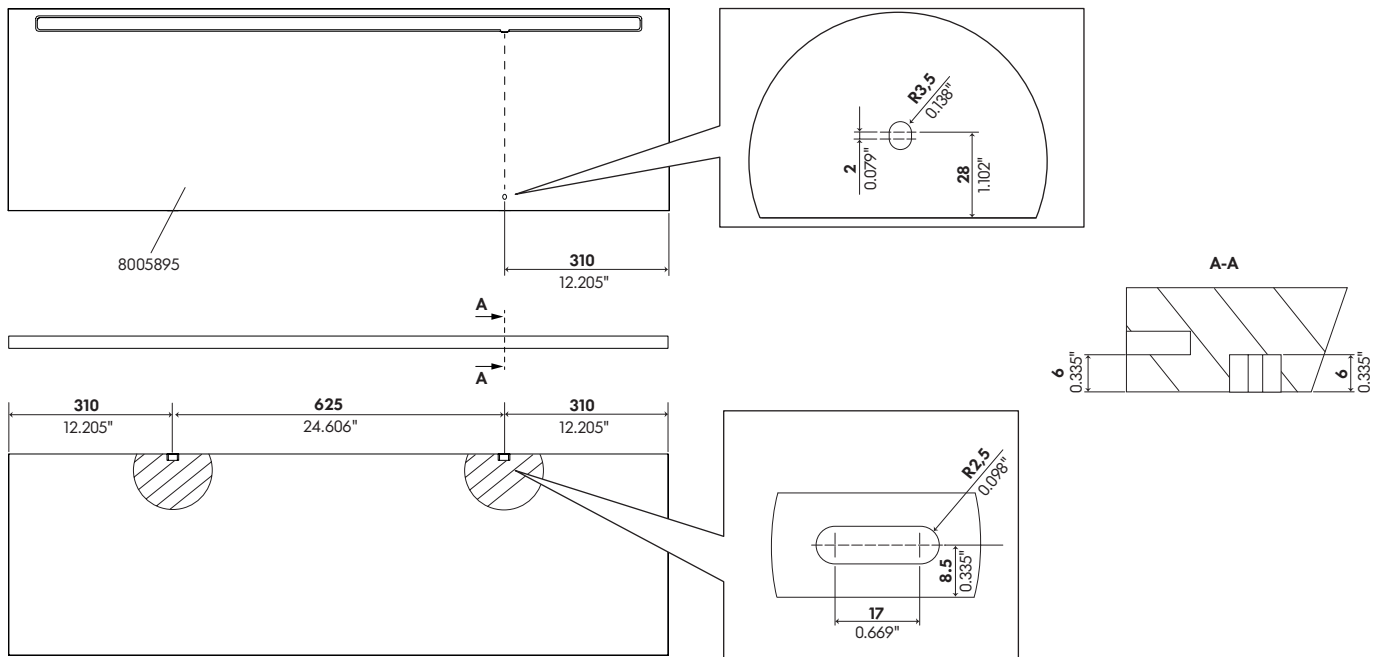


- 1** Extension cable 24 V DC
- 2** 24 V DC distributor, 6-way
- 3** 96 W / 150 W converter
- 4** Power cable splitter with extension cable 220 - 240 V AC
- 5** Supply lead 220-240 V AC for EU and UK / 120 V AC for US and CA

4.10 Connecting an LED luminaire to wooden shelves for the 25x4/0.984x 0.157" bracket

Milled grooves in the wooden shelf

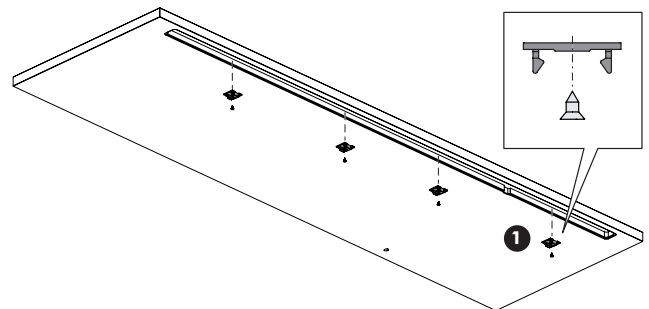
- Mill a hole and groove in the wooden shelf.



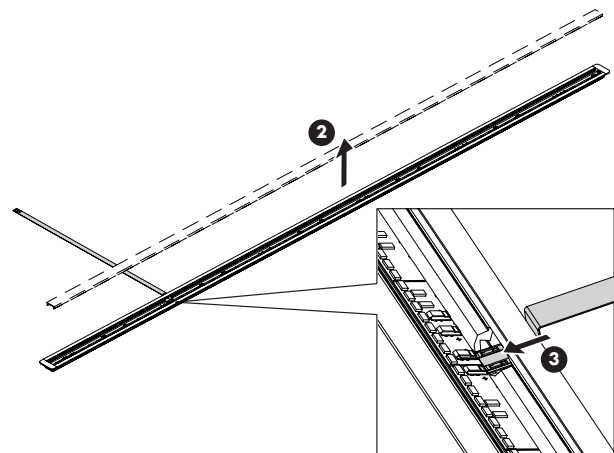
Attaching LED luminaire

The LED luminaire for wooden shelves is connected to a flat wire. This enables power to be transferred from the bracket to the shelf.

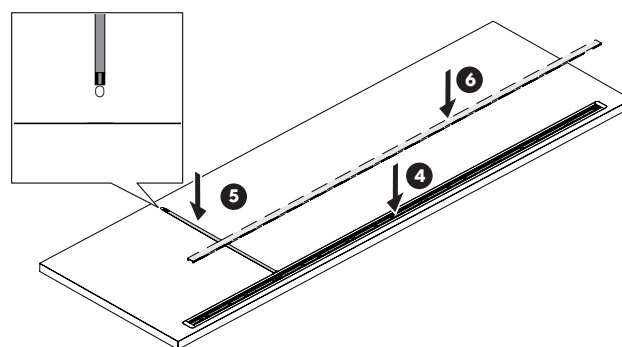
1. Secure the fixing clips to the shelf using countersunk screws.



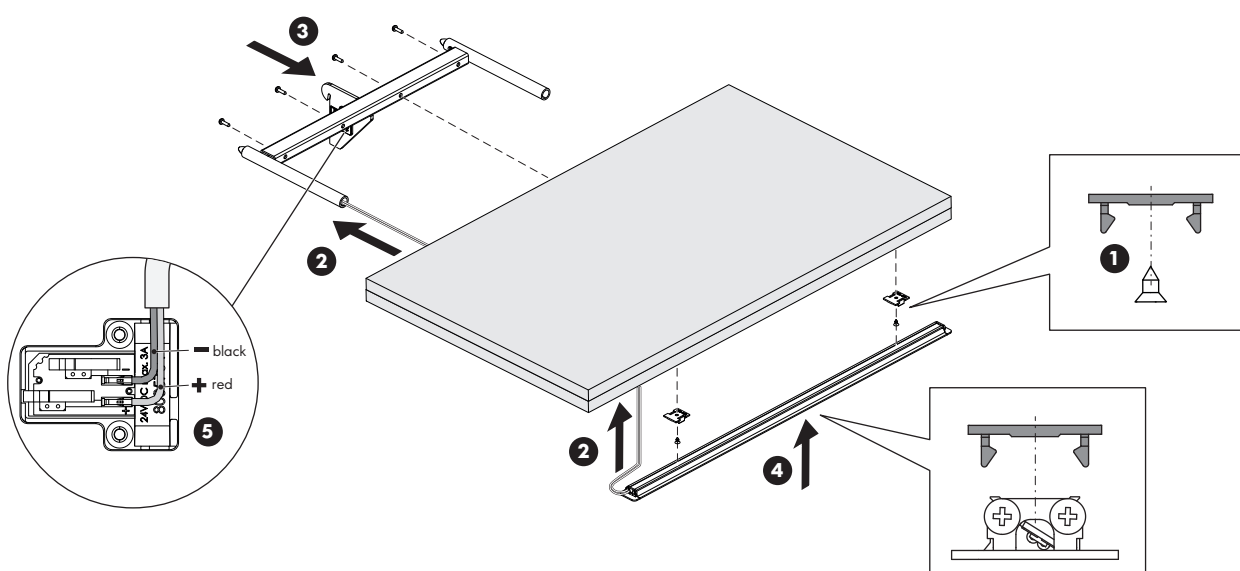
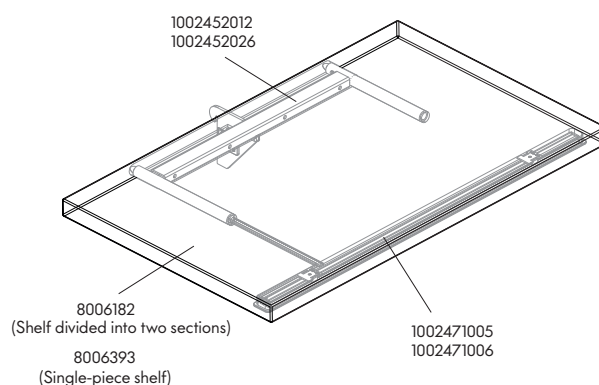
2. Remove the LED luminaire cover.
3. Insert the flat wire in the luminaire, with the protruding contacts, into the terminals on the circuit board.



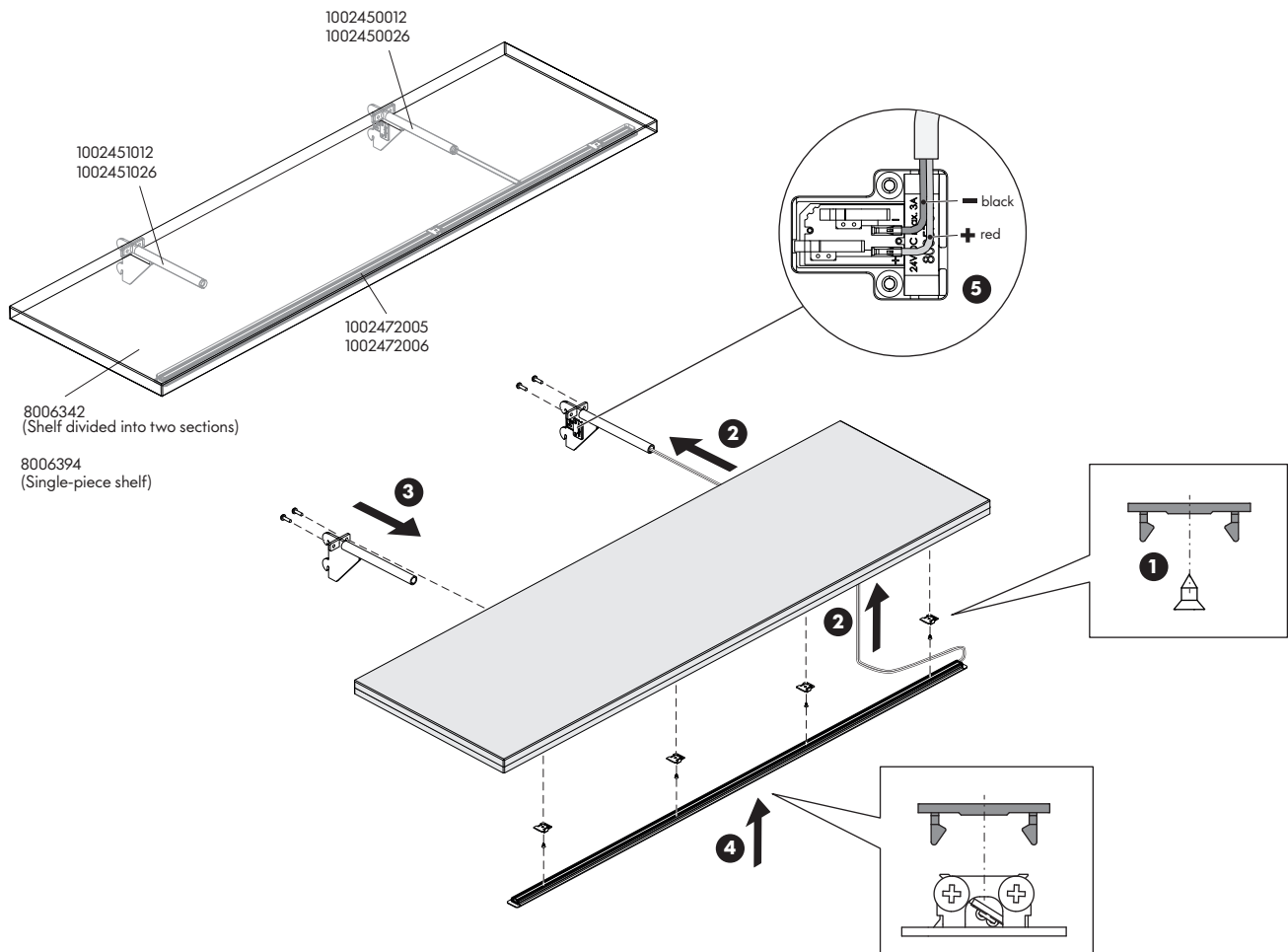
4. Press the LED luminaire into the wooden shelf.
5. Stick the insulated side of the conductor onto the shelf, up to the hole. Make sure the conductor is positioned centrally.
6. Press the LED luminaire cover into place.



4.11 Connecting an LED luminaire to wooden shelves for the single mounting bracket



4.12 Connecting an LED luminaire to wooden shelves for the mounting bracket Ø 15/0.591"



5 Operation

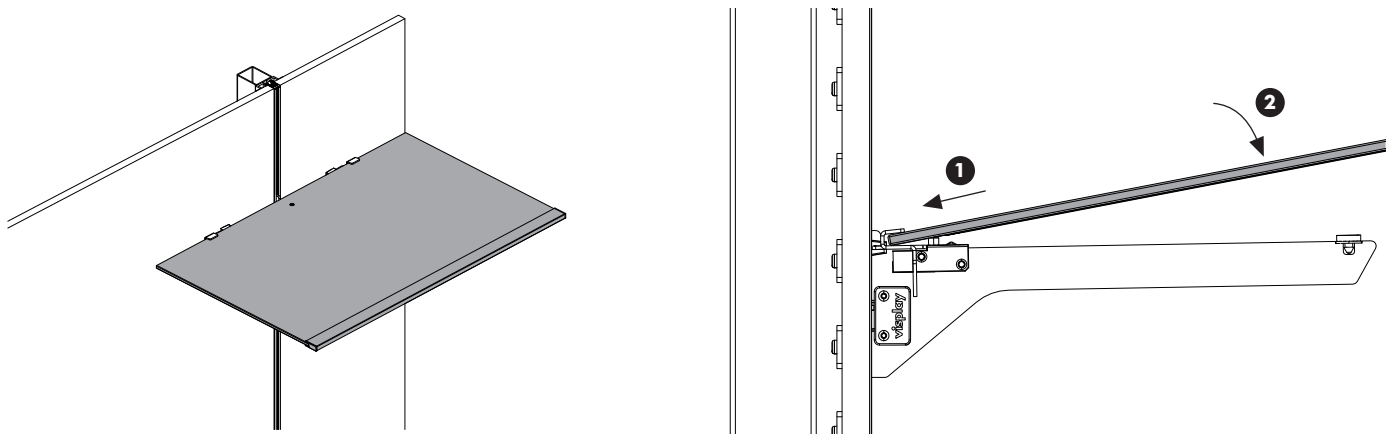
! WARNING

Risk of injury from falling objects and system components.

The system can fail if the maximum permissible load on the system or on its individual components is exceeded.

- Do not exceed the maximum permitted loads (see „3.3 Mechanical loads“).

5.1 Fitting the wooden and glass shelves



5.2 Changing the position of the merchandise supports

The height of the Xero 4 EVO merchandise supports can be adjusted along the profiles in 50 mm/1.969" increments.



Please note that the merchandise supports must be unloaded when adjusting their height.
It is advisable to move the merchandise supports using both hands.

6 General information

6.1 Cleaning

Dust can accumulate and furniture parts can become dirty during use. With regular cleaning and care, the product will last a long time.

1. Disconnect the power plug from the socket.
2. Remove all items from the storage areas.
3. Remove dirt carefully with a soft, dry cloth.
4. Remove stubborn dirt with a mild cleaning agent.

6.2 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 / 73.4°F
- Relative humidity: 50%

6.3 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.
 - ▶ Have an approved specialized disposal company dispose of electrical and electronic components.
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