

Invisible 6

Assembly and operating instructions
USA & CANADA

visplay

Visplay products are manufactured according to the latest technology and comply with valid rules and regulations.

Nevertheless, these products can cause injury or damage if:

- the product is improperly installed
- the product is improperly used
- the product is improperly altered or modified
- original accessories are not used
- the safety regulations are not observed.

⚠ WARNING

Each person involved in the planning, installation and/or use of our products must be carefully read and observe these instructions of use.

The following are of course also valid:

- Relevant accident prevention regulations
- Generally recognized safety rules
- National regulations – please consult Visplay if there is a discrepancy with the Assembly manual

Safety instructions

⚠ WARNING

When playing, children often incorrectly assess danger. You must therefore make sure that your store fittings are not used as toys.

Please pay attention to the following points:

- Structural conditions, in particular the design and bearing capacity of walls, ceilings and floors. If bearing capacity for the specified tractive or pressure load cannot be achieved by suitable fastening or stabilising elements, please refrain from installation.
- All the structural components supplied for stabilising structures are to be used in an unrestricted manner and must not be removed.
- The products may only be loaded after all the installation steps have been completed.
- Merchandise supports should be loaded as evenly as possible.
- Avoid loading in fits and starts.
- The maximum weight loads is to be observed. This can be found in the instructions on assembly and use, as well as in our sales documentation.
- Furniture with castors is generally much more unstable than furniture with glides. Tall, heavy structures on castors should thus be avoided.
- The recommendations of your safety officer should also be observed.

General care for chrome, silk and pearl

In clothing retail applications, frequent dragging of clothes hangers along the surface can cause slight abrasion to their hooks. This effect is most pronounced - more so than with front-on horizontal or inclined-pole displays - where garments are hung side-on such that hangers have to be moved more frequently. To prevent garments from becoming soiled, cleaning of the hanging rods is essential.

This abrasion can be considerably reduced by using a coat hanger cover (scliss, 929-449.02).

No responsibility can be accepted for damage caused by soiling, as the above mentioned abrasion depends on the material of the coathangers in use.

With powder-coated surfaces subject to frequent use, use of special paints is recommended. We will be happy to advise you.

Use and care of merchandise supports with anodised aluminium surfaces

Visplay merchandise supports with anodised aluminium surfaces are hard-wearing. However, the exchange of accessories might cause slight marks on the surface. Accessories with plastic inserts usually cause less wear or none at all.

To remove the marks, we recommend using cleaning agents ranging from pH 5–8 (do not use any detergents with acidic or alkaline reaction). Clean by washing the surfaces using a sponge and water containing a wetting agent. Then remove any loose or greasy dirt. Rubbing off the surfaces with detergent using pure cotton waste or porous cleaning tissue and applying the necessary pressure in rubbing direction will remove the marks. Aluminium profiles with widths exceeding **200 mm/ 7.874"** must be subjected to abrasive cleaning using detergents specifically developed for this purpose. The cleaning agents developed for abrasive cleaning contain very finely ground neutral polishing agents and have to be adapted to the oxide layer. Alternatively, cleaning can be carried out using an abrasive fibrous web (e.g. Scotch-Brite, type A, red, fine or very fine) in combination with a non-abrasive detergent.

Subsequently, residual cleaning agents should to be rinsed off using a sponge and clear water. Then rub off the part with a chamois.

Copyright

This manual is protected by copyright. Its use is permissible as part of the use of the product. Any use other than this is not permitted without written consent of the manufacturer.

Our General Terms and Conditions apply for all orders.

Dimensions are generally shown in **millimeters** and inches.

Technical data sheet invisible 6

Invisible 6 has a CE label and a UL certificate for U.S. and Canada.

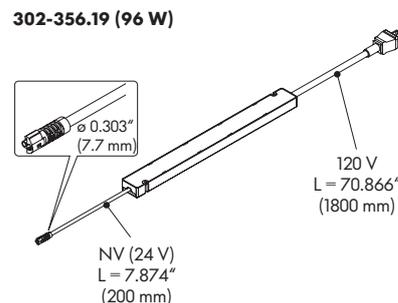
Converter 24 V for electrified profile

Converter with input voltage 120–240 V / mains frequency: 50–60 Hz electronic protection against overload, overheating and short-circuit.

- Housing temperature max. 75 °C / max. 167 °F
- Nominal output voltage: 24 V / SELV
- Power supply with permissible nominal current of max. 4 A
- Connection cable from converter to infeed unit **200 mm/7.874"**
- Class 2

NOTICE! If dimmers are to be used, electronically controlled, low-voltage dimmers must be installed!

⚠ Please make sure that the inspector has access to the driver. We recommend to solve this with Invisible Change.

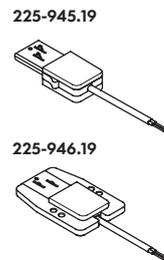


Single power adapter 24 V

Single power adapters can only be used with the Invisible 6 system. Low voltage lighting and low voltage appliances may only be connected by trained personnel.

If multiple adapters and appliances will be used, their total power consumption may not exceed the specified nominal current or fuse rating. The permissible nominal voltage and nominal acurrent are also limited according to the adapters used (see printed label and safety information).

Permissible nominal current max. 4 A



Invisible 6 rail capacity

Profile length	Max. amount of shelves with lighting, size 620 x 420 mm/24.409"x 16.535"
L – 3024 mm/119"	4 shelves

Product safety

Invisible 6 electrification in detail: conductor rail with power supply, integrated into system support profile.

Correct functioning and safety are guaranteed when properly used. No liability is accepted in event of improper use. Product safety is based exclusively on the use of original Invisible 6 accessories from Visplay.

No alterations may be made, for safety reasons; the only exception is the shortening of profiles from the right-hand side.

The safety instructions of the assembly instructions must be followed as well as the instructions on the labels of the individual parts. The indicated nominal current (A) may not be exceeded. The number of shelves with lighting that are connected to the conductor rails also may not exceed the capacities indicated in the table.

In event of improper use or cleaning with liquids, a risk of an electric shock exists due to possibly exposed live parts. Always disconnect from power before cleaning or servicing.

If rails or adapters exhibit visible signs of damage, disconnect them immediately and inform your service technician.

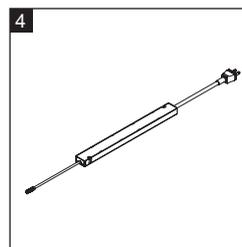
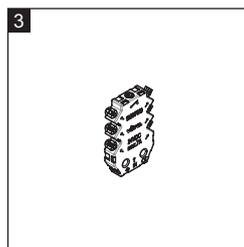
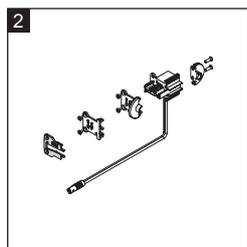
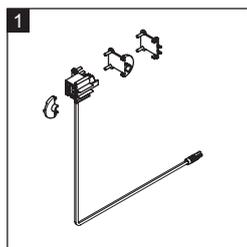
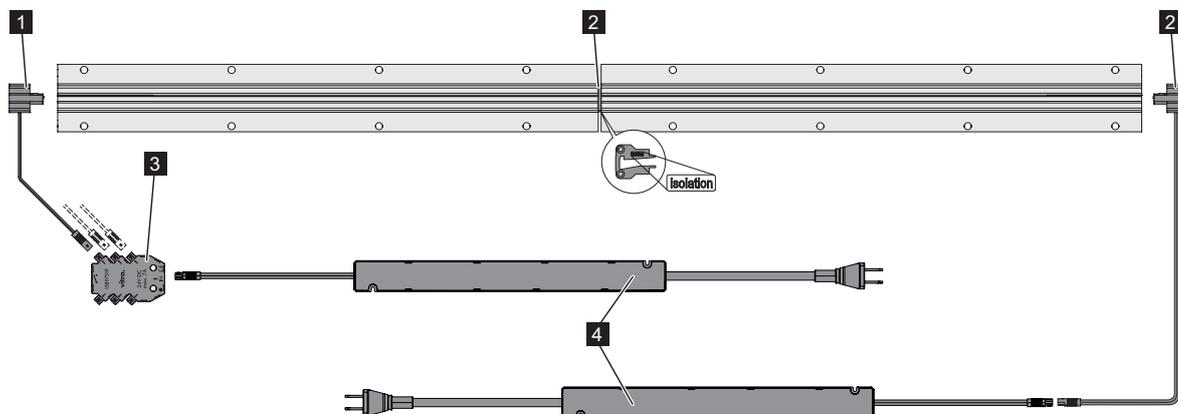
⚠ Only use Invisible 6 system accessories! Do not use any other parts.

The user is responsible for ensuring that any connected equipment is electrically, mechanically and thermally compatible with the conductor rail.

Visplay connection system

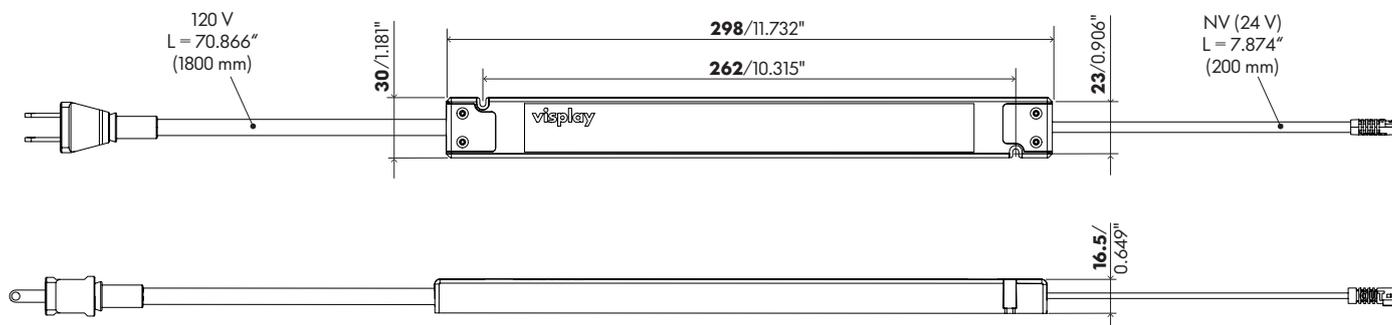
⚠ Check the power consumption of electrical appliances! The maximum power consumption should be 10% below the nominal power of the converter.

Powering with 96 W converter



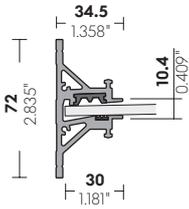
- 1 Power supply 24 V left
- 2 Power supply 24 V right, incl. isolation
- 3 24 V distributor, 6 way - optional
- 4 96 W LED converter

Dimensions of the 96 W converter



Assembly dimensions / layout

! The fastening material and the wall must be capable of supporting a min. tensile force of 396.8 lbs per fastening point. Please observe the indications concerning weight loads and ensure that the substructure of the wall units/furniture and their fixtures can support the expected loads. With free-standing furniture, ensure that there is sufficient stability even with the intended merchandise supports. Important information on electrified Invisible 6 can be found in "Technical data sheet Invisible 6".



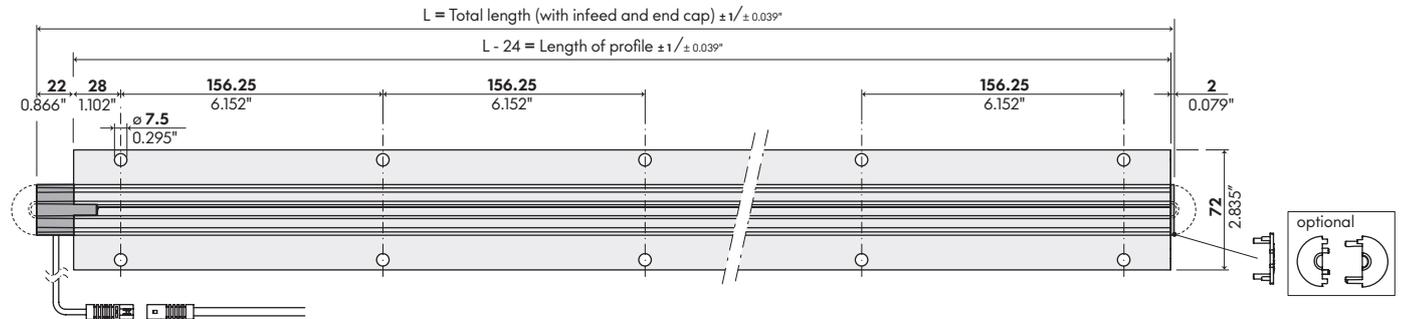
Dimensions – profile electrified

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

! End caps must be fitted on profile with conductor rail.

L = 3024 mm/119.055"

lto: **min. 705—max. 3024 mm**/min. 27.756" max. 119.055"



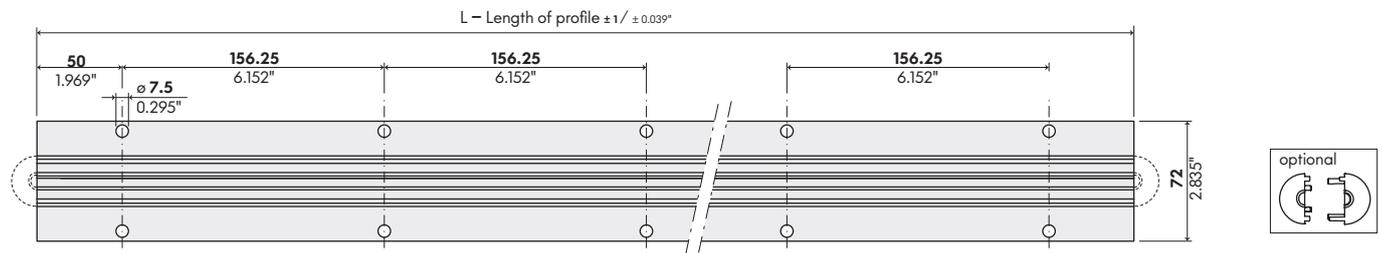
! Depending to your local regulations, a conduit must be used for the primary side of the driver.

Dimensions - profile without electrical power

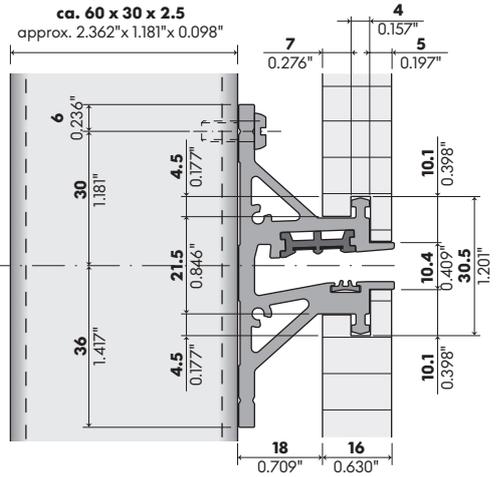
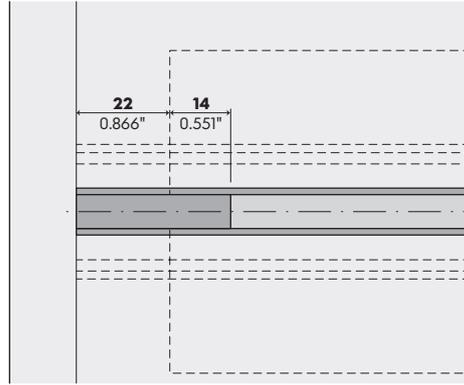
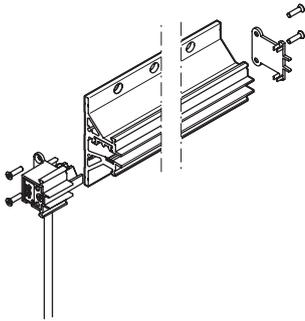
All fastening points have to be used in event of maximum loads!

L = 3024 mm/119.055"

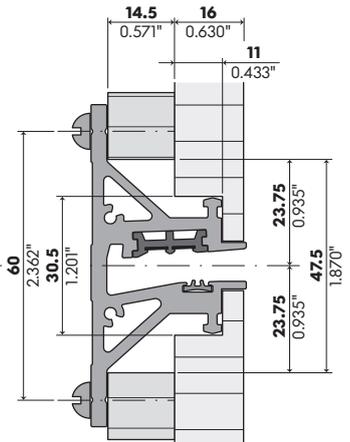
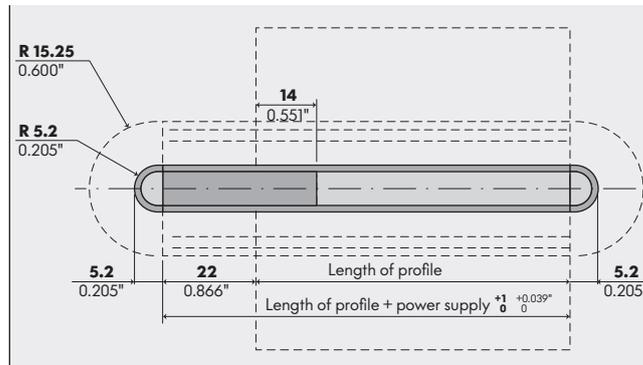
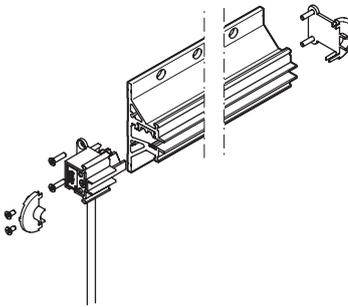
lto: **min. 705—max. 3024 mm**/min. 27.756" max. 119.055"



Mounting to a substructure

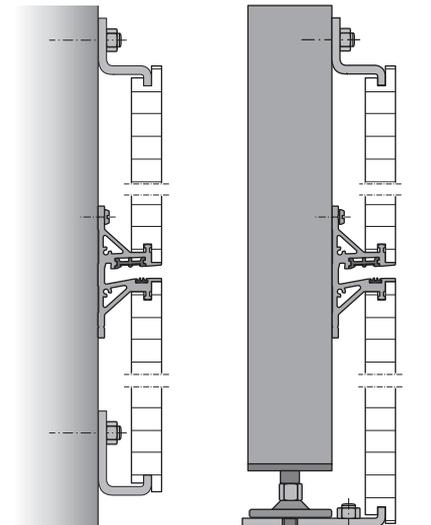
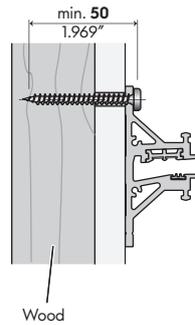


Mounting to a panel from the rear



Fastening examples

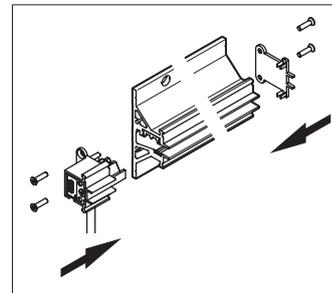
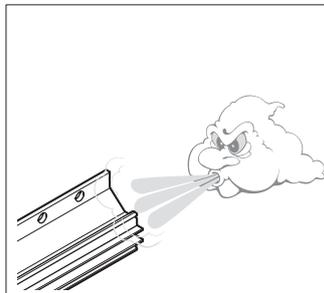
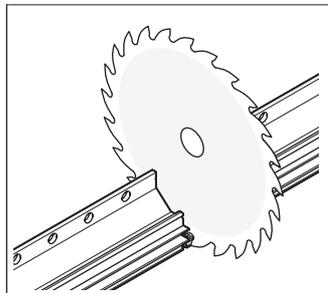
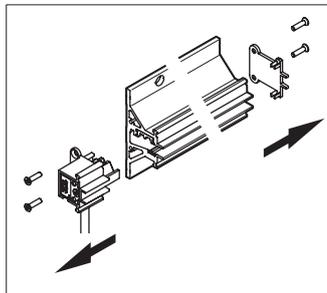
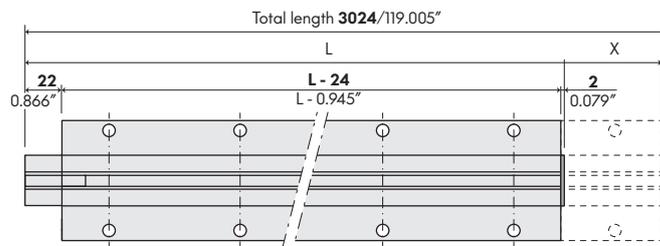
Depending on the type of wall the profil can be attached with different fixation material.
 The max. weight load of the profile depends on the nature of the wall, on the number of fixation points as well as on the fixation material used.
 With wooden substructures, a screw length of min. **50 mm/1.969"** must be observed.



- ❗ Please observe the information on the loading values and ensure that the substructure of the wall installation and its fastenings can cope with the expected loads.
- > 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.

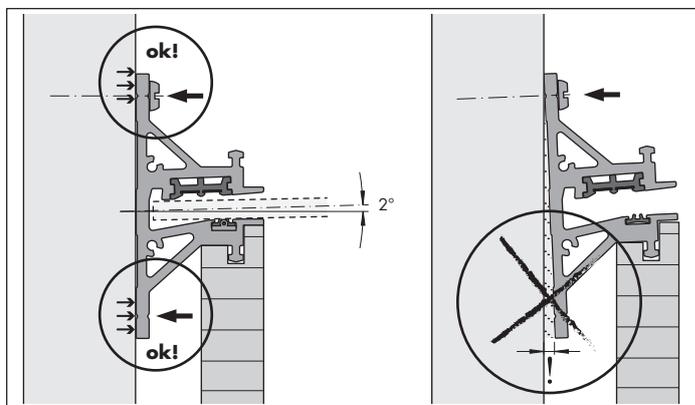
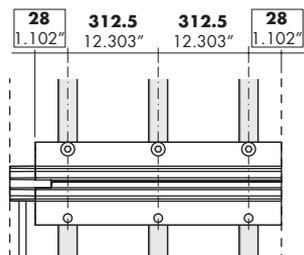
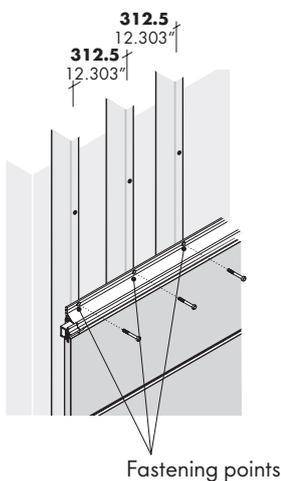
Shortening a profile

! The electrical components and the end cap must be removed before shortening the profile. Always shorten a profile from the right-hand side and burr the edges. Make sure that all shavings are removed from the profile. The electrical components and end cap must be fitted back onto the profile.



Maximum loads

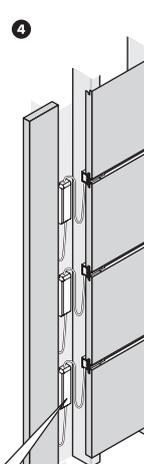
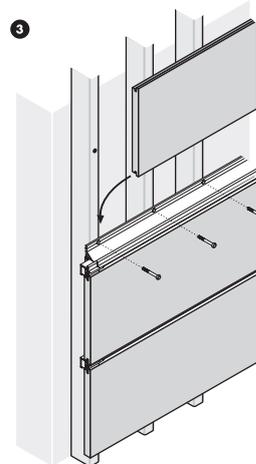
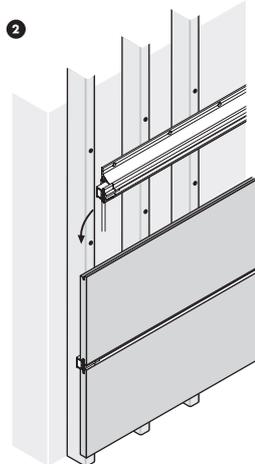
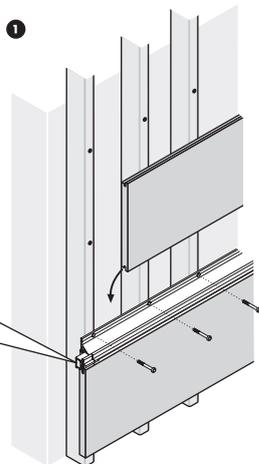
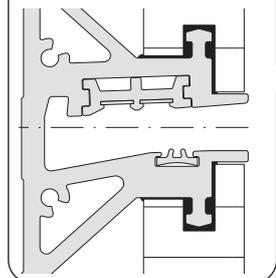
Optimal distance between the uprights: **312.5 mm/12.303"**



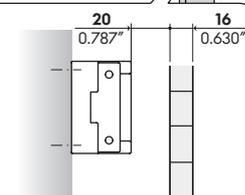
! The system's functionality can only be guaranteed if the profile lies completely flat against the aligned substructure surface! → Use pan-head screws! Merchandise support slightly inclined upwards (2°).

Profile assembly

Increased carrying capacity (up to 20%) can be achieved by securing the Invisible profile to the panels by applying a suitable adhesive.

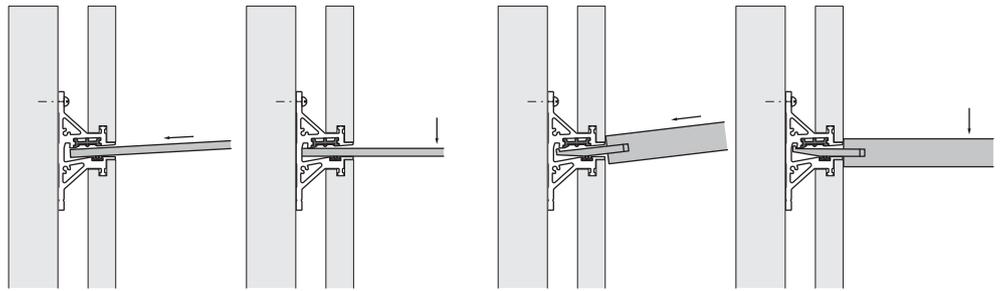


! Mount the power supply unit on the left-hand side of the wall. It must be ensured that access to the driver is possible for inspection and subsequent servicing. Leave a gap between the converter housing and panel.



Instructions for use

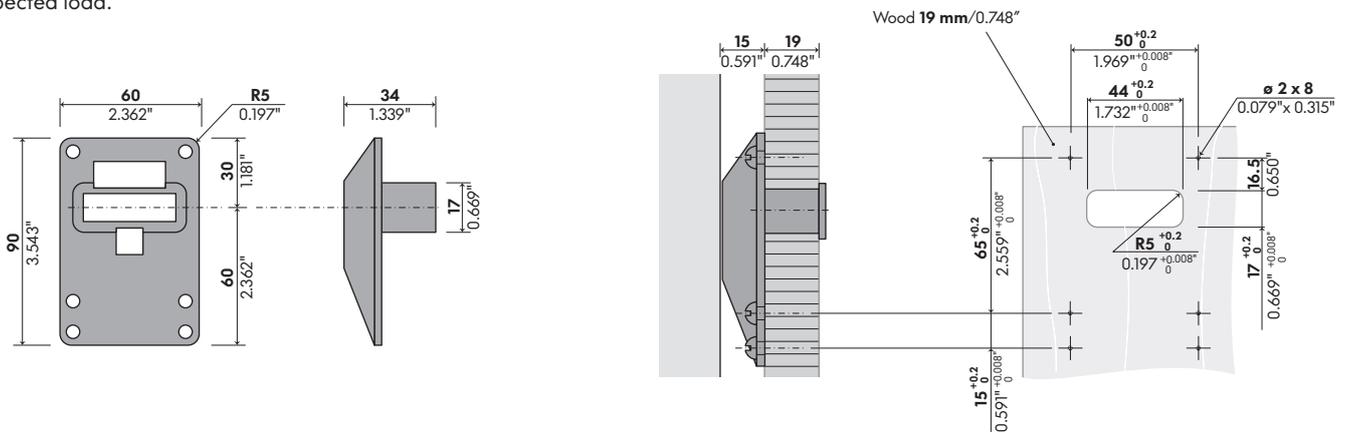
Insert the non electrified Invisible support bracket or shelf into the profile at a slight angle until the limit stop is reached. Then lower the support or shelf. Make sure that the Invisible merchandise support or shelf has correctly clicked into place.



Invisible 6 holder

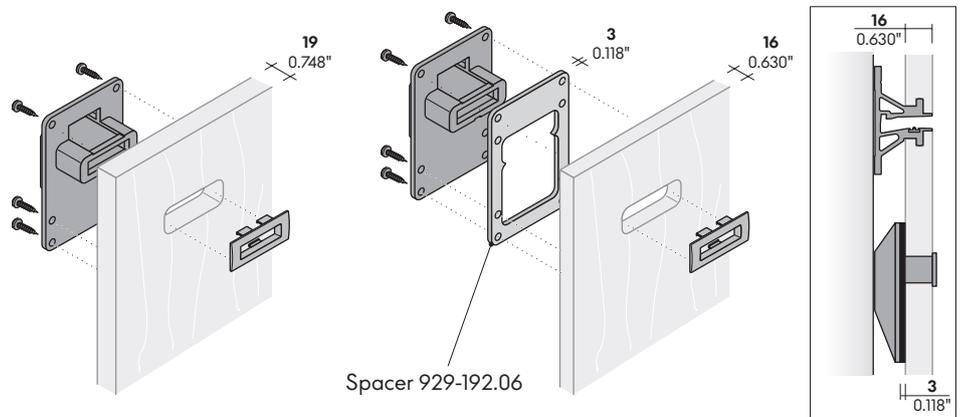
• Assembly dimensions

The arrangement of the holders must be adapted to the respective assortment and expected load.



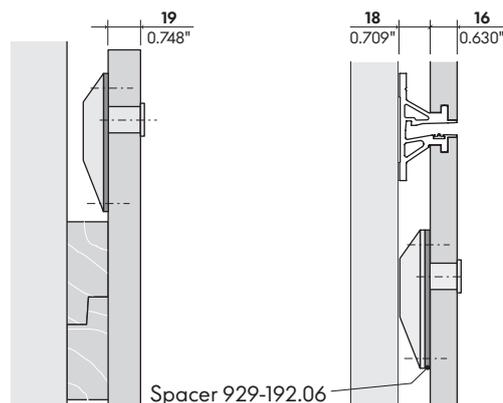
• Assembly Invisible 6 holder

The Invisible holder is screwed on from the back with 6 screws. Ensure that the rabbet size and a material thickness of 19 mm are respected as otherwise the cover cap set cannot be correctly fitted



⚠ Spacers are only needed when holders are fixed in combination with the profile into a 16 mm wooden panel. Reduced load-carrying capacity with 16 mm clamping plate!

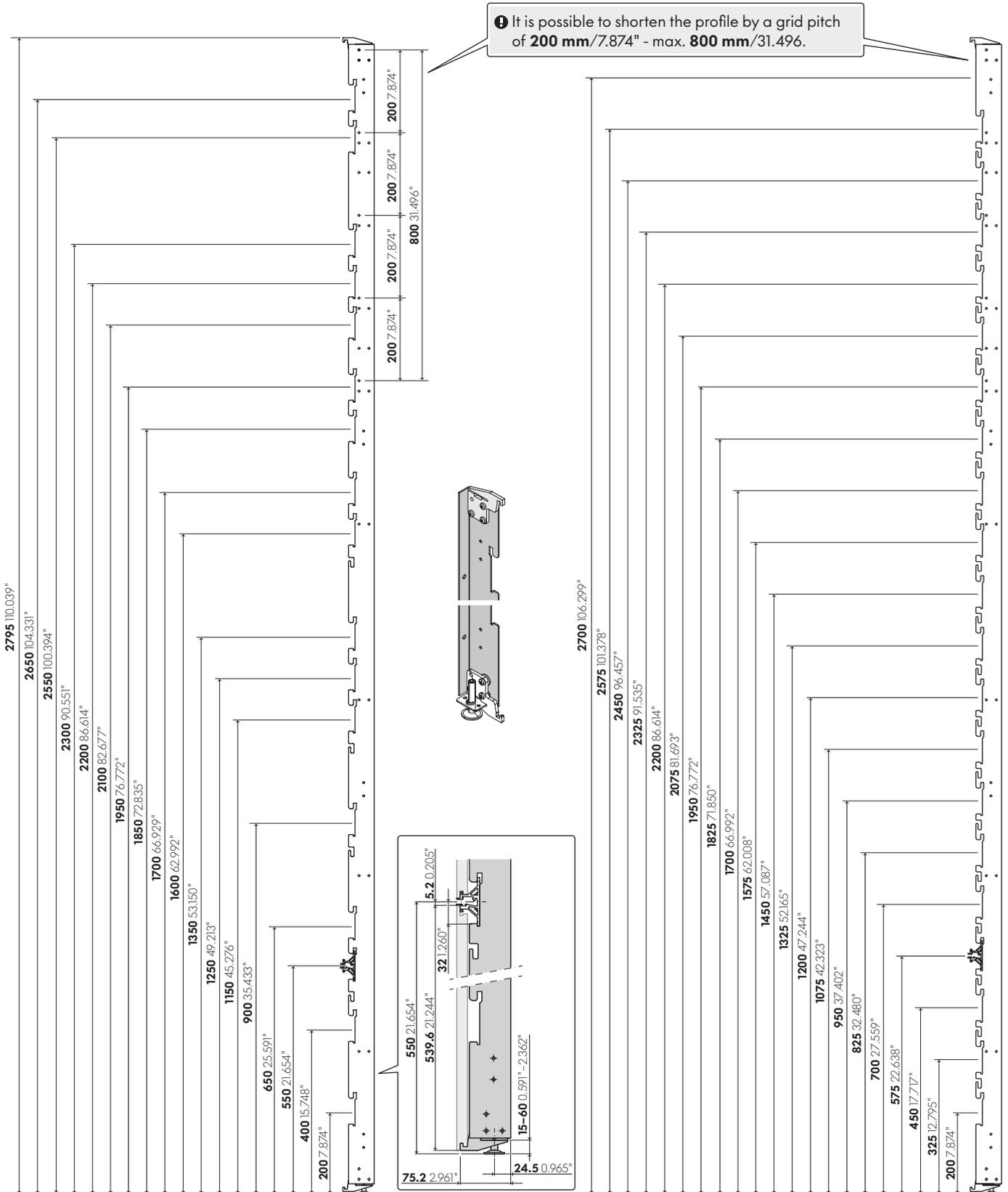
• Examples of fixation



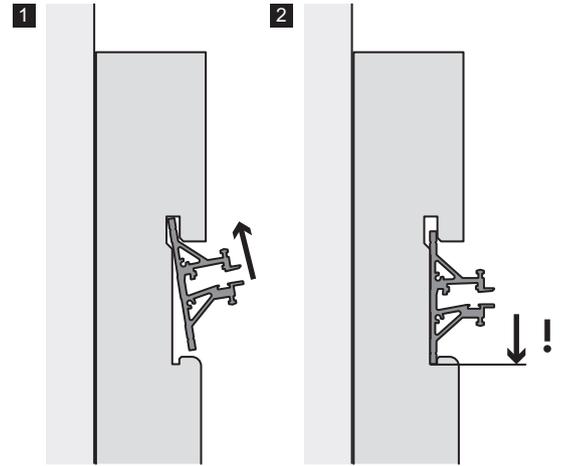
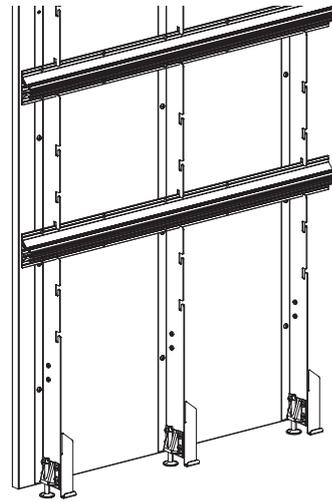
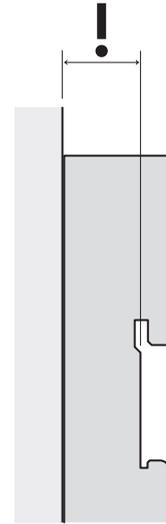
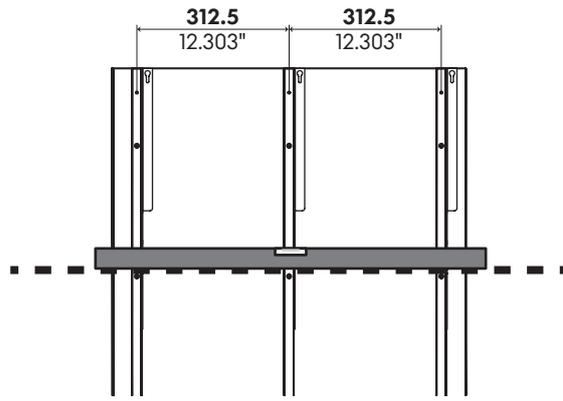
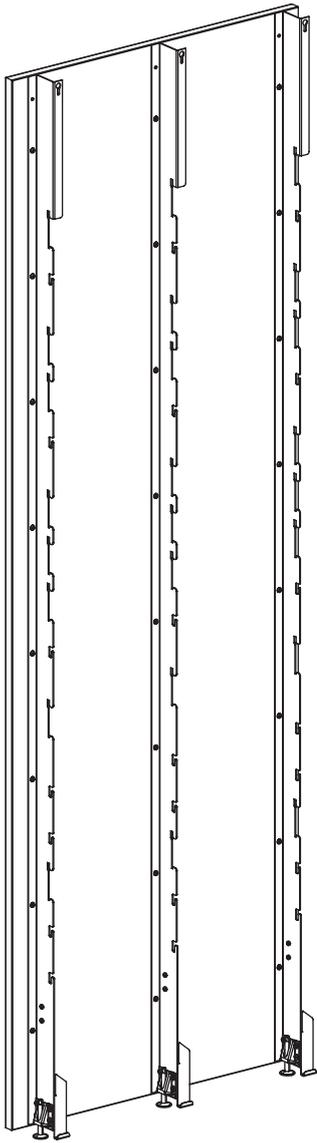
Change by Invisible 6

- Dimensions of the substructure for Fashion

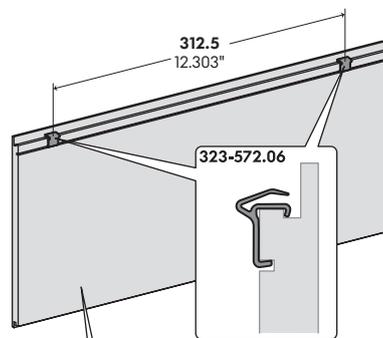
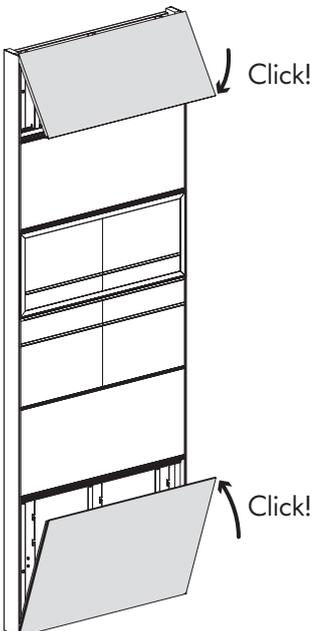
- Dimensions of the substructure for Health & Beauty



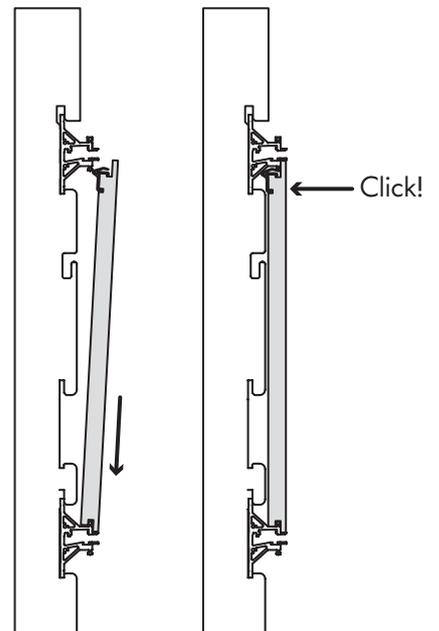
• Alignment and installation of the substructure



• Attaching the panels

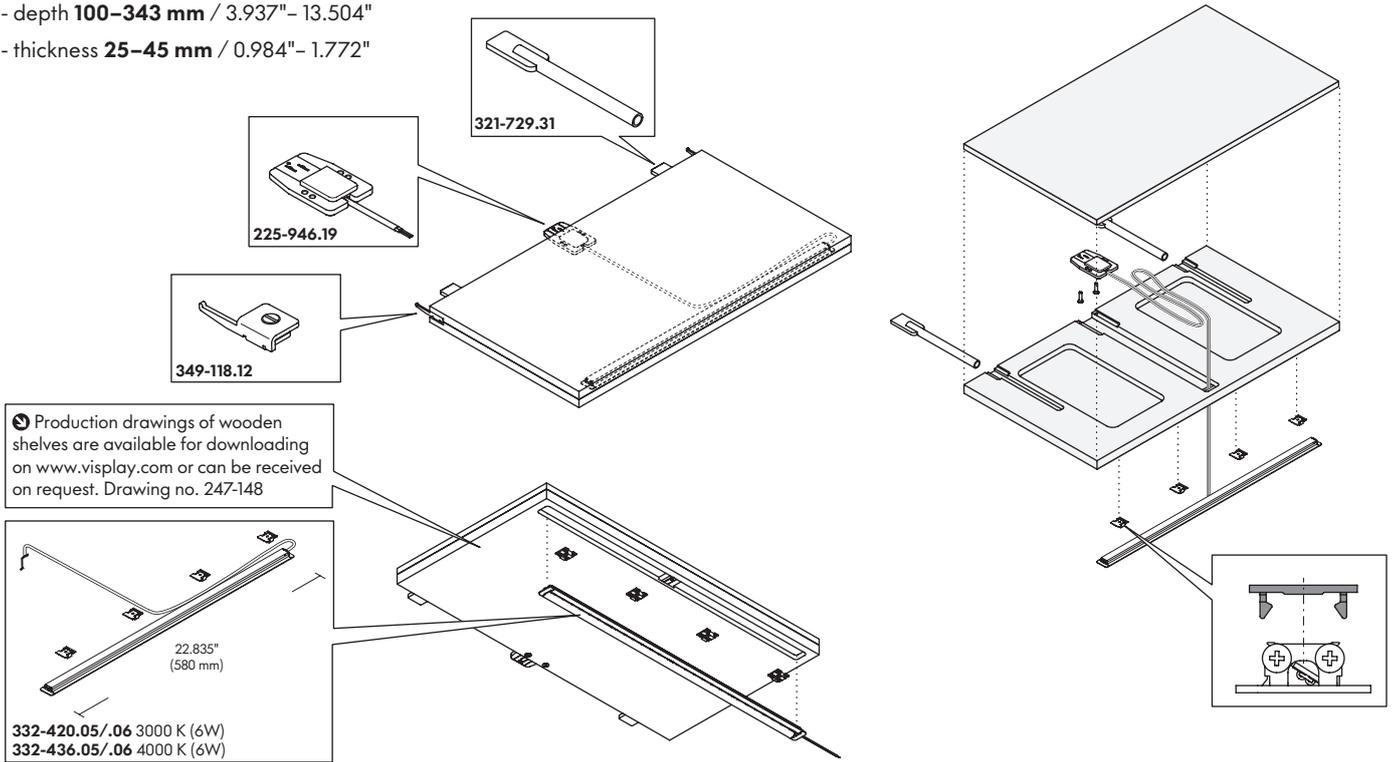


Production drawings of the panel is available for downloading on www.visplay.com or can be received on request. Drawing no. 365-302



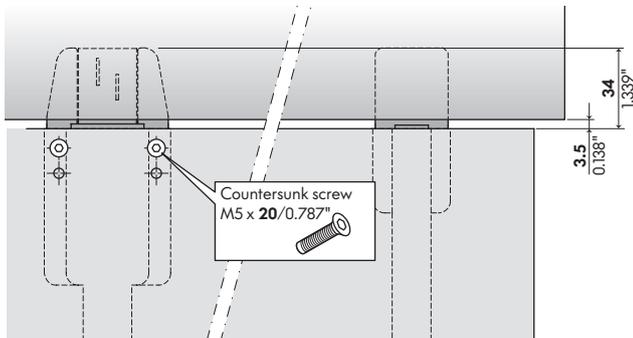
Wooden shelf dimensions for LED lighting fixture with cable connection

- length **200–620 mm** / 7.874"-24.409"
- depth **100–343 mm** / 3.937"- 13.504"
- thickness **25–45 mm** / 0.984"- 1.772"

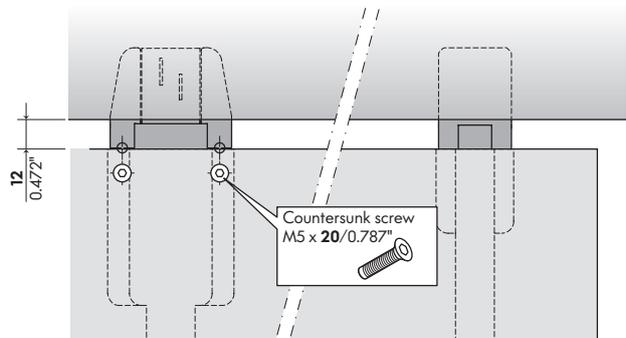


Wooden shelf with lighting set: Distance to back panel

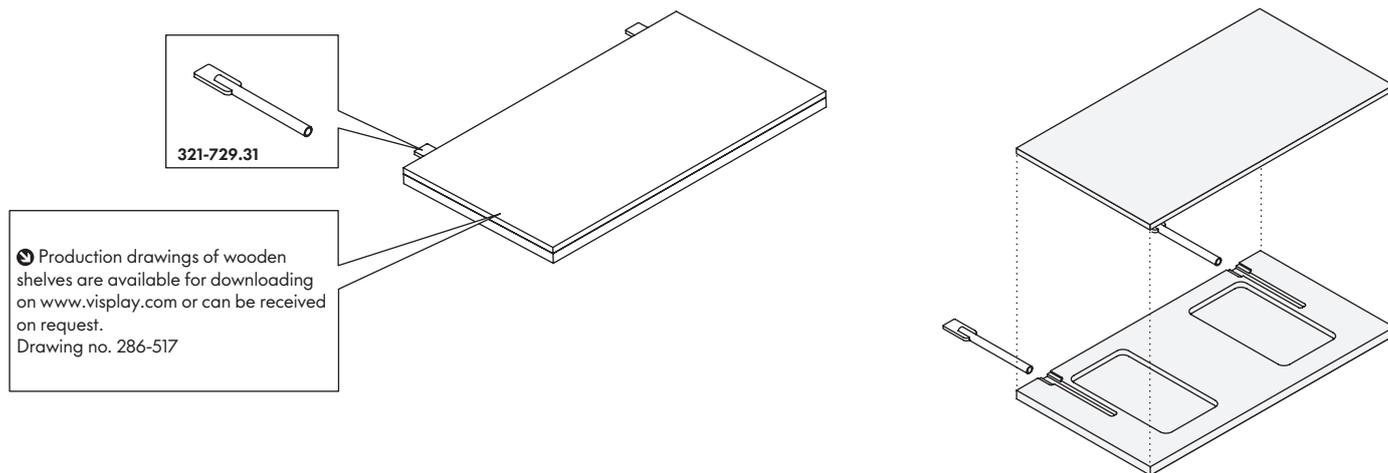
Assembly option 1



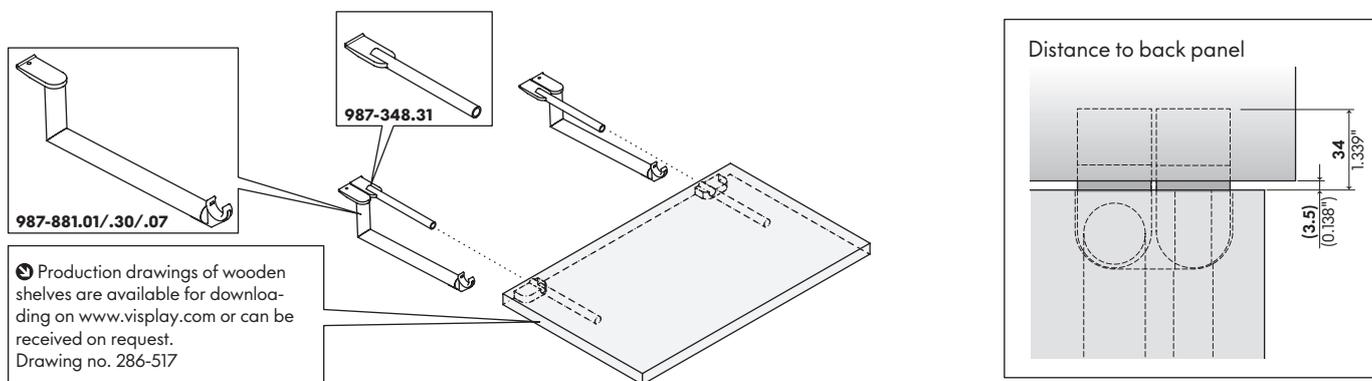
Assembly option 2



Wooden shelf without electrification

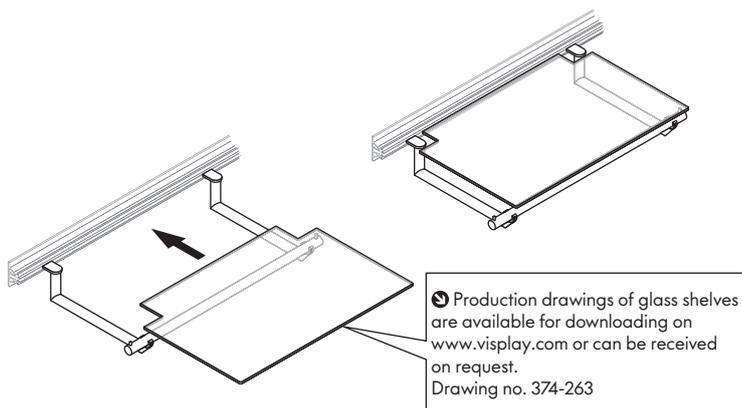


Wooden shelf dimension for bracket concealed 987-348.31 and bracket for side hanging rail 987-881.01/30



Glass shelves (safety glass) 6 mm with cutouts

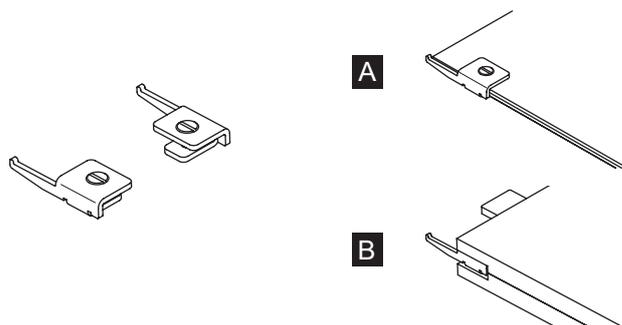
to be inserted into the profile.
The cutouts make it possible to insert further stepped brackets (987-881.01/30) for side hanging rail.



Locking device for shelf elements

The locking device is used to secure the locks of the shelf elements inside the profile. It can be used for glass, aluminum (Fig. A) and wood shelf elements (Fig. B).

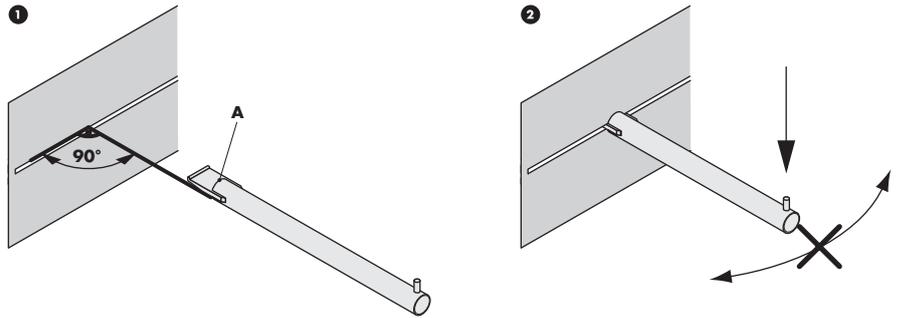
A set of locking devices (left and right) is included in the scope of delivery for glass and aluminum shelf elements. If the customer produces a wood or glass shelf element, by himself, the locking device must be ordered separately.



These locking devices are a compulsory requirement and must be used for all shelf elements!
Merchandise support slightly inclined upward (2°).

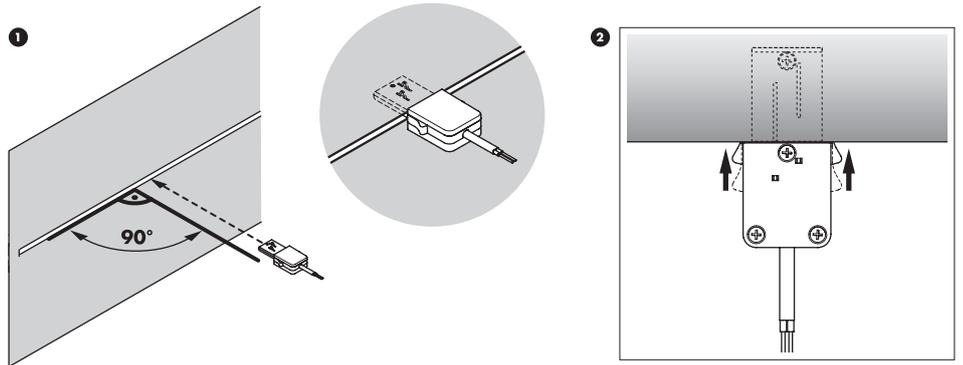
Careful handling with merchandise support for Invisible 6

1. Lift the merchandise support slightly and insert it into the profile at a 90° angle until you reach limit stop A.
2. Release the merchandise support and check that it is correctly secured. Do not try to force it to the left or right.



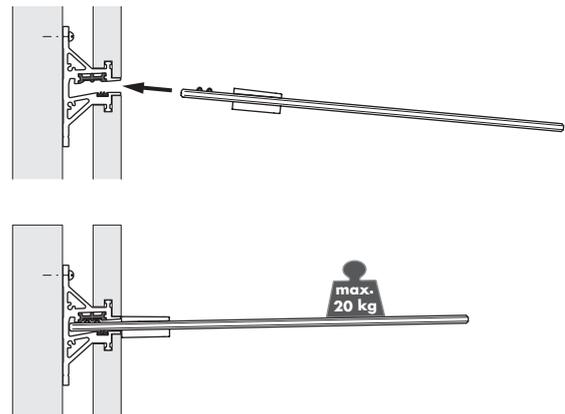
Single power adapter for Invisible 6

1. Insert power adapter into profile at a 90° angle until limit stop is reached.
2. Lock adapter in place by pressing the catches at the side.



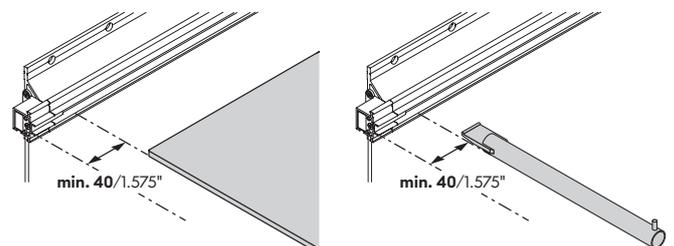
Shelf with lighting for Invisible 6

! In order to avoid any damage to the contact on the electrical adapters, it is important that the shelf is slightly inclined downwards when inserted into the electrical profile.



Invisible 6 profile

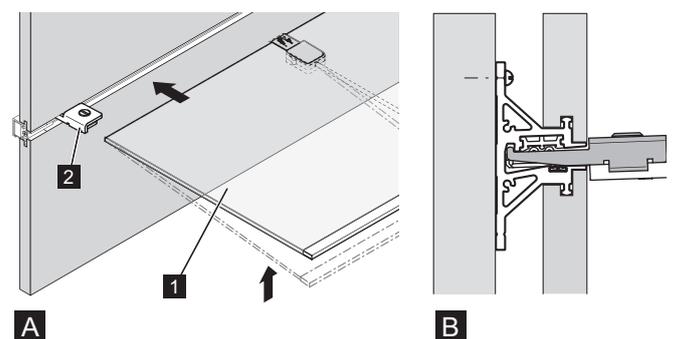
When attaching supports or shelves, please observe a min. distance of **40 mm/1.575"** to the power adapter (left-hand side of profile).
Warning: Only use the conductor rail for shelves with lighting and for low voltage appliances up to 13 watts (24 V).



Inserting electrified glass or aluminum shelf elements

Proceed as follows to insert electrified glass or aluminum shelf elements:

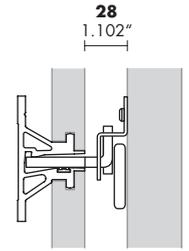
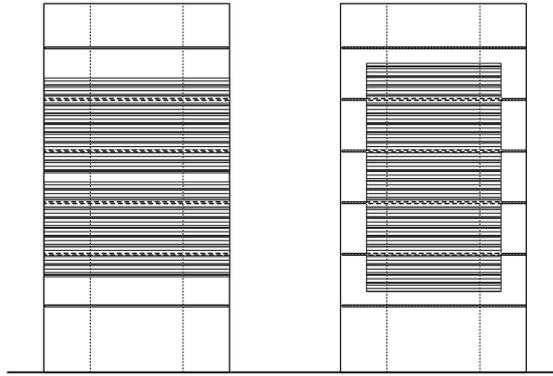
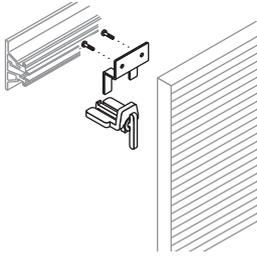
1. Insert the locking devices (2) into the profile.
2. Introduce shelf element (1) into the profile, tilt it slightly downwards, with the two contact springs upwards, until to the stop.
3. Ensure that the shelf element is correctly engaged in the profile (B).



Fixing set for Invisible 6 profiles

To be screwed to the back of wooden panels.

❗ Cannot be used in Invisible 6 holder set



Weight loads

❗ The indicated weight loads are always based on the total weights of the merchandise support and goods. Please note that max. permissible load decreases as the merchandise support increases in length. Please note that the inclination of the merchandise support changes with an increase in load. Different weights on the merchandise supports result in an uneven overall appearance of the goods display. Please note that the weight limit can be reduced considerably when mounting in glass and sheet metal. The max. permissible load of the Invisible 6 depends on the nature of the wall, the number of fastening points as well as the fastening material used. All fastening points have to be used in event of a maximum weight load. Please also observe the weight loads indicated in our sales documentation.

Max. load

Profile	per 625 mm/24"	88 lbs
Holder set	per holder	44 lbs
Front arm Ø 25 mm/1"		55 lbs
Front arm 30 x 15 mm/1 3/16" x 5/8"		55 lbs
Front arm Ø 12 mm/1/2"		22 lbs
Front arm 4 mm/5/32"		22 lbs
Hook Ø 7.5 mm/5/32"		4.4 lbs
Side hanging rail T arm Ø 25 mm x 600 mm/1" x 24"	for use in Invisible 6 holder set	44 lbs
Side hanging rail T arm Ø 15 x 390 mm/5/8" x 15 3/8"	for use in Invisible 6 holder set	22 lbs
Side hanging rail T arm 30 x 15 mm, 600 mm/1 3/16" x 5/8", 24"	for use in Invisible 6 holder set	44 lbs
Side hanging rail T arm 20 x 10 mm, 390 mm/3/4" x 3/8", 15 3/8"	for use in Invisible 6 holder set	22 lbs
T-bracket for wooden or glass shelf	for use in Invisible 6 holder set	44 lbs
Bracket for side hanging rail Ø 25 mm/1"	per bracket	44 lbs
Bracket for side hanging rail Ø 15 mm/5/8"	per bracket	22 lbs
Bracket for side hanging rail 30 x 15 mm/1 3/16" x 5/8"	per bracket	44 lbs
Bracket for side hanging rail 20 x 10 mm/3/4" x 3/8"	per bracket	22 lbs
Bracket for wooden shelf	per bracket	44 lbs
Bracket for glass shelf	per bracket	44 lbs
Bracket 4 mm/5/32" for wooden shelf	per bracket	22 lbs
Bracket Ø 15 mm/5/8" for wooden shelf	per bracket	33 lbs
Angled shelf		33 lbs
Universal bracket		44 lbs
Fixing set for Invisible 6 profile		44 lbs
Tempered glass shelf 6 mm with cutouts (374-263)		33 lbs
Tempered glass shelf 6 mm (286-617)		44 lbs

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