

# Invisible 6

Assembly and operating instructions

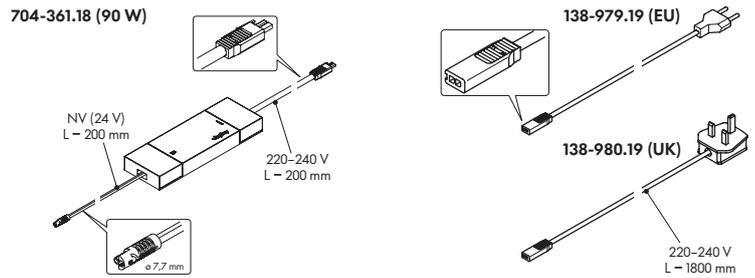
**visplay**

## Technical Data Sheet Invisible 6

### Converter 24 V for electrified profile

Converter 90 W with input voltage 220-240 V / mains frequency: 50-60 Hz / electronic protection against overheating and short-circuit.

- Mains connection with connector for mains cable
- Nominal voltage – 24 V / SELV
- Safety class 2



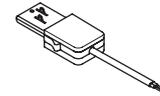
### Single power adapter 24 V

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

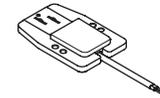
If multiple adapters and appliances are used, their total power consumption may not exceed the specified nominal current or fuse rating. The permissible nominal voltage and nominal current are also limited according to the adapters used (see printed label and safety information).

Permissible nominal current max. 4 A.

225-945.19



225-946.19



### Invisible 6 rail capacity

Profile length	L – 2580 mm	L – 3205 mm	L – 4455 mm
Max. number of shelves with lighting (6/10/13 W) size 620 x 420 mm	4 shelves	5 shelves	7 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 being 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 (max. 7 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 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.**

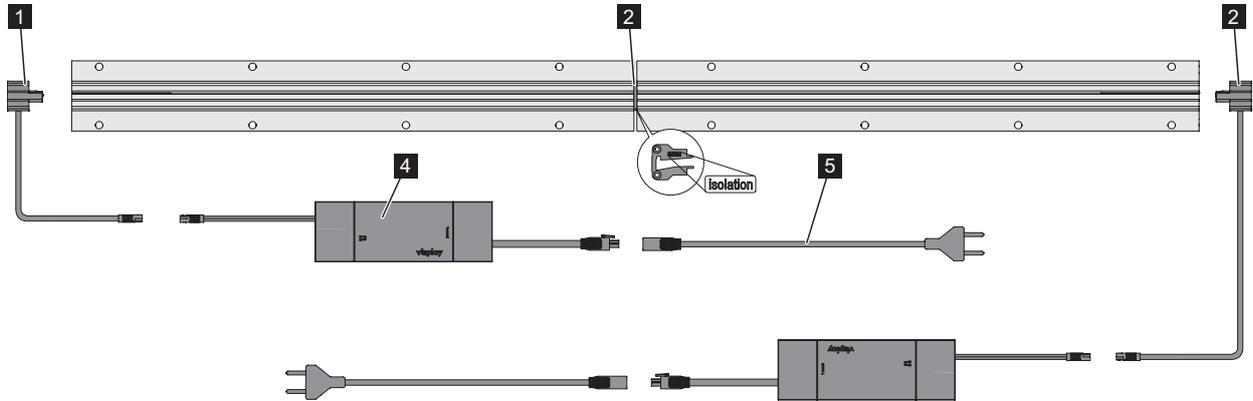
**⚠ Only use Invisible 6 system accessories! Do not use any other parts.**

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

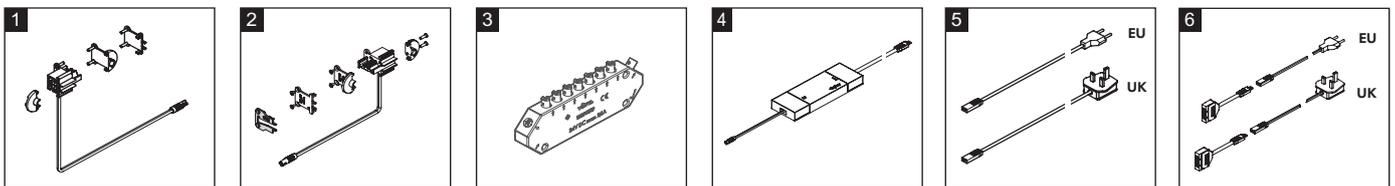
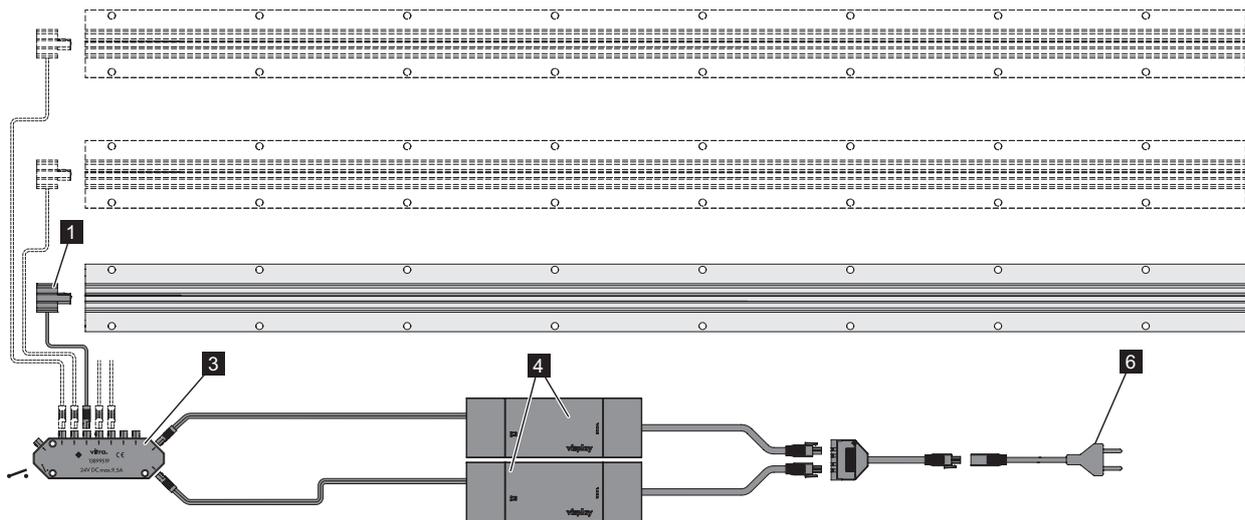
## Visplay connection system

⚠ Check the power consumption of electrical appliances! The 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 transformer



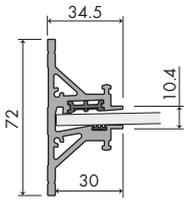
### Powering with 2 x 90 W converters (max. 180 W)



- 1 Power supply 24 V left
- 2 Power supply 24 V right, incl. isolation
- 3 24 V DC distributor, 8-way
- 4 90 W LED converter
- 5 Supply lead 220-240 V AC
- 6 220-240 V AC distributor, 4-way

## Assembly dimensions / layout

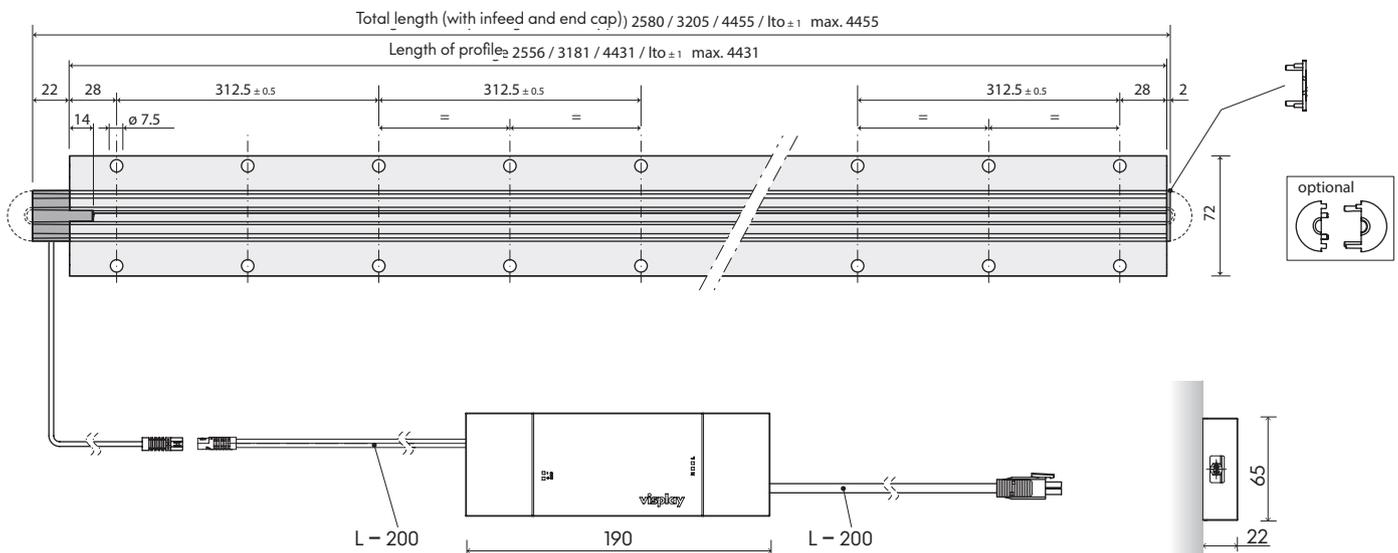
- !** The fastening material and the wall must be capable of supporting a min. tensile force of 180 kg per fastening point. Please observe the indications concerning weight loading and ensure that the substructure of the wall units/furniture and their fixtures can support the expected loads. With free-standing 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 with electrical power

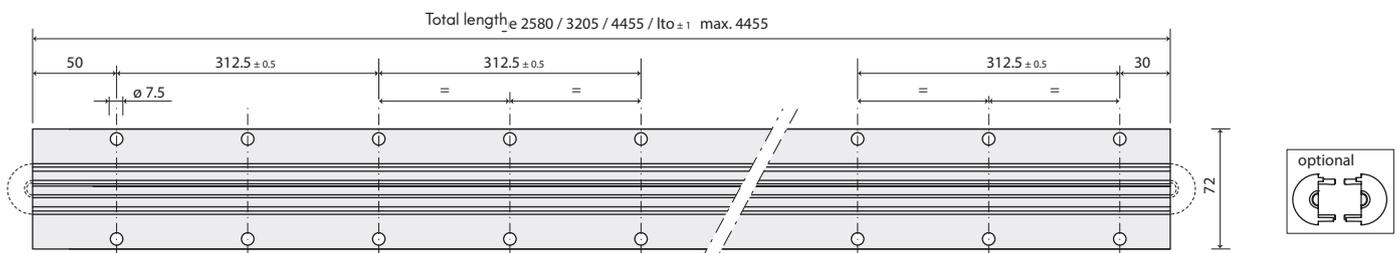
All fastening points are to be used in event of maximum loads!

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

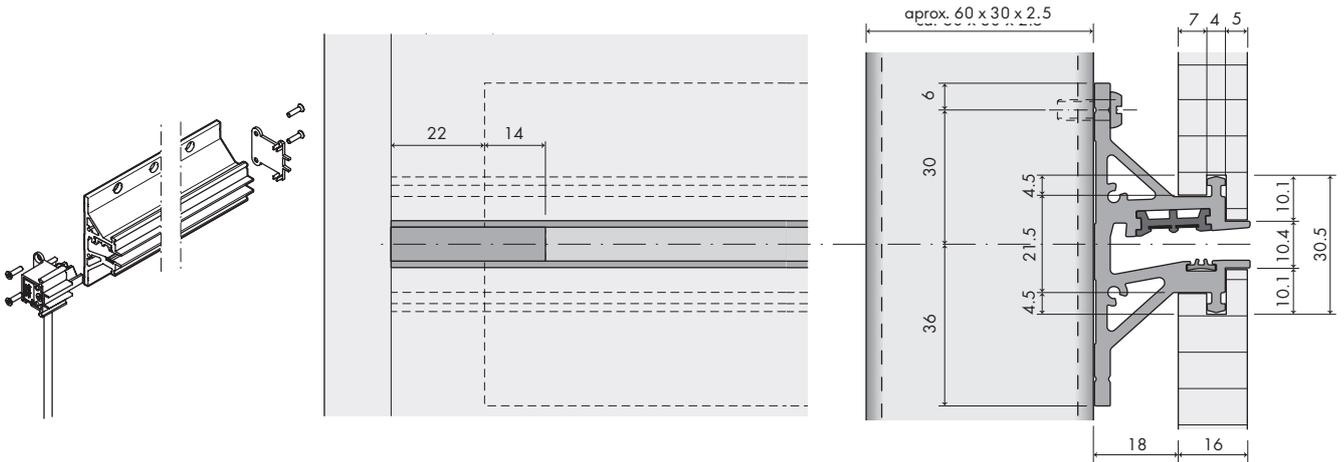


### Dimensions - profile without electrical power

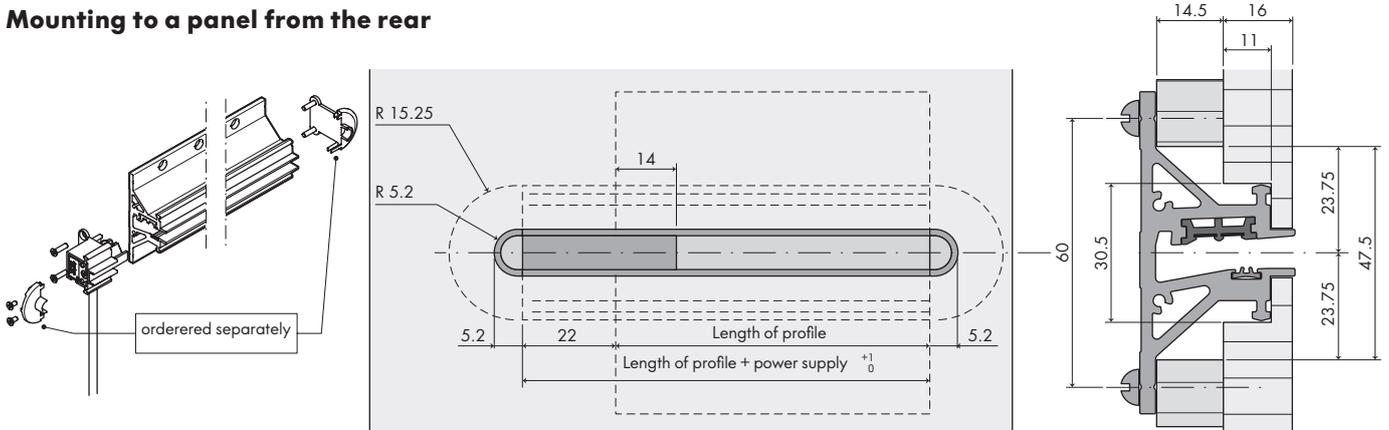
All fastening points are to be used in event of maximum loads!



## Mounting to a substructure



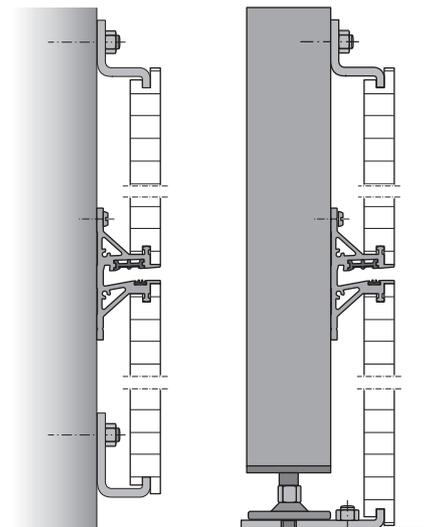
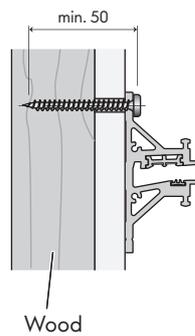
## Mounting to a panel from the rear



## Fastening examples

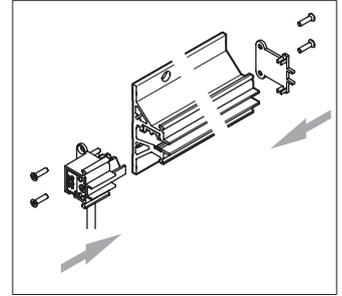
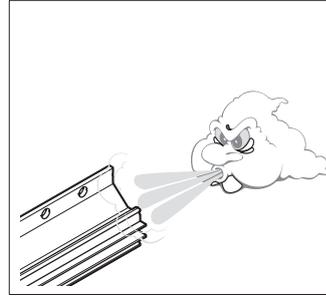
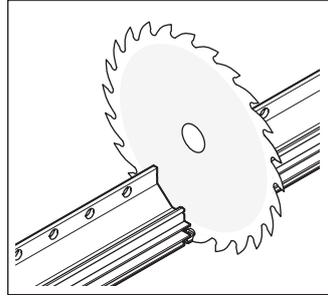
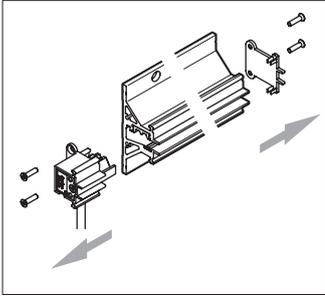
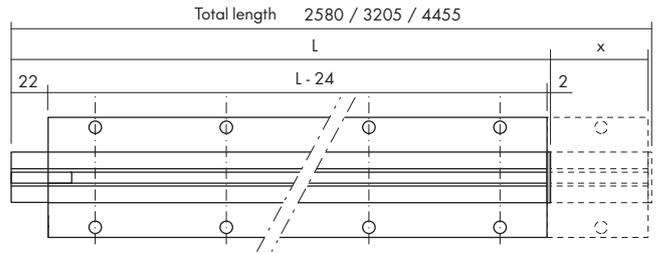
Depending on the type of wall the profil can be attached with different fixation material.  
 The max. weight load of the profile depends on the nature of the wall, on the number of fixation points as well as on the fixation material used.  
 With wooden substructures, a screw length of min. 50 mm must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



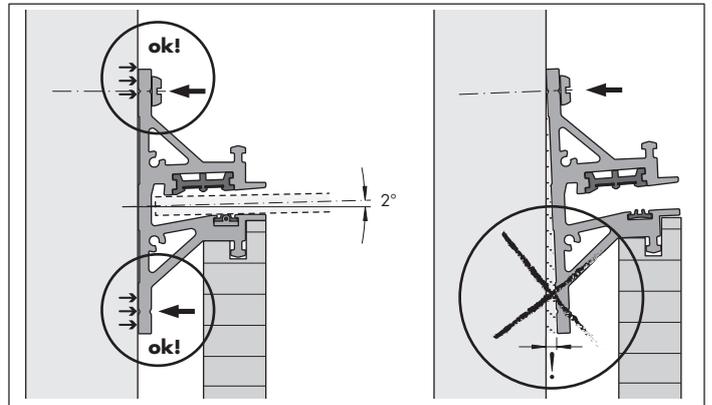
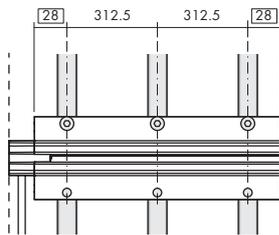
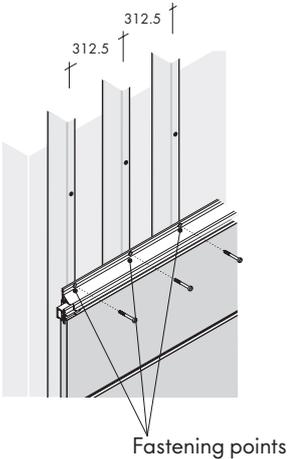
## Shortening a profile

❗ The electrical components and end cap must be removed before a profile is shortened. Always shorten a profile from the right-hand side and trim the edges. Make sure that all shavings are removed from the profile. The electrical components and end cap must then be fitted back onto the profile.



## Maximum loads

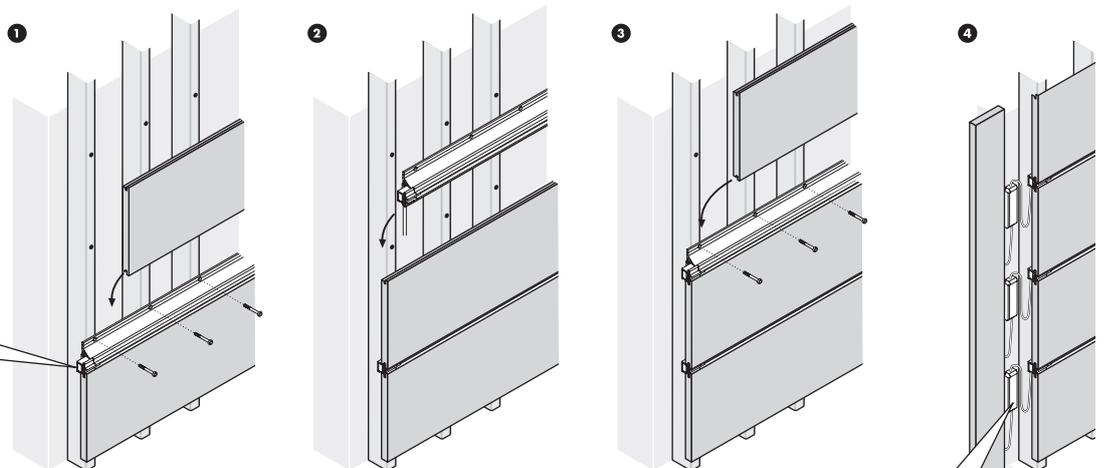
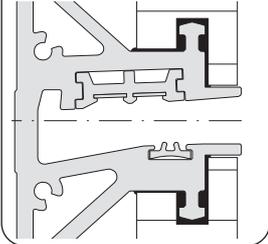
Optimal distance between the uprights: 312.5 mm



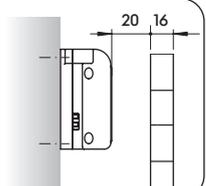
❗ The system's functionality can only be guaranteed if the profile lies completely flat against the aligned mounting surface! → Use pan-head screws!  
Merchandise support slightly inclined upward (2°).

## Profile assembly

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

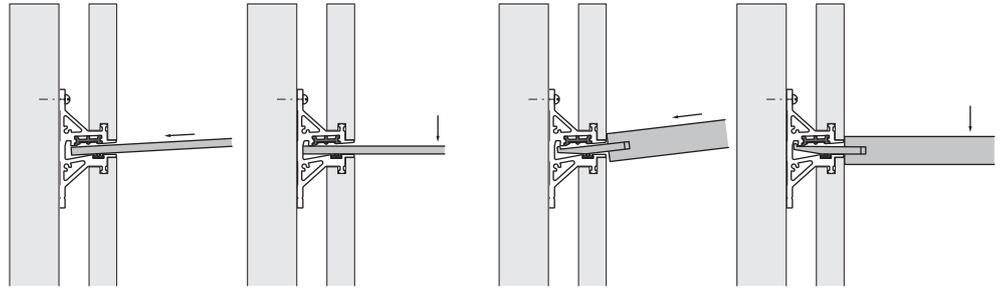


Mount the power supply unit on the left-hand side of the wall. It is strongly recommended that measures be taken to allow access for subsequent servicing. Leave a gap between the converter housing and panel.



## Instructions for use

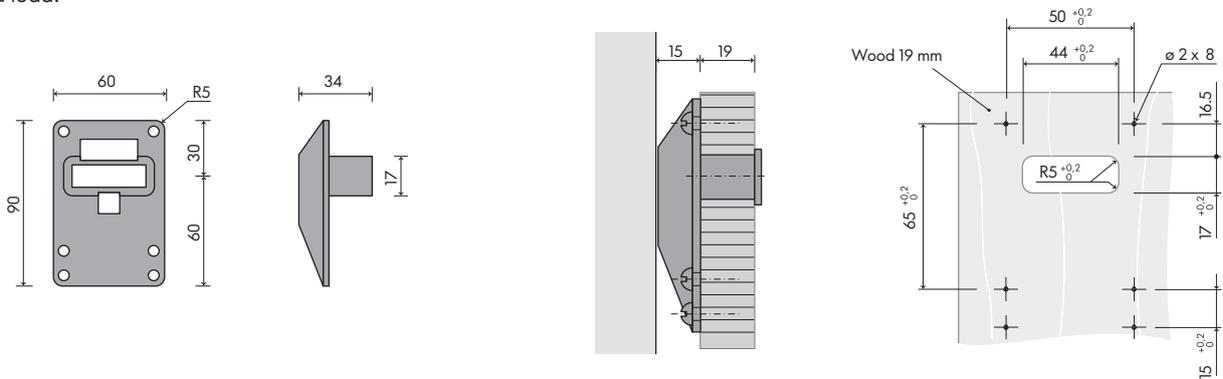
Insert the not electrified Invisible support or shelf into the profile at a slight angle until the limit stop is reached. Then lower the support or shelf. Check that the Invisible merchandise support or shelf has correctly clicked into place.



## Invisible 6 holder

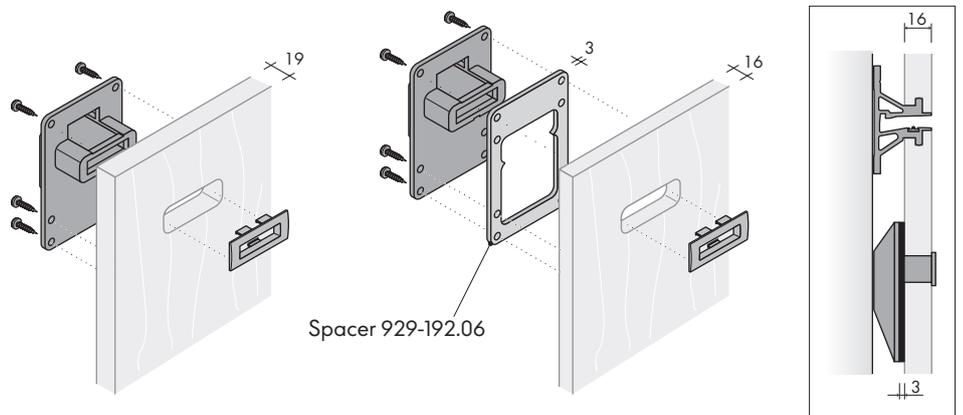
### • Assembly dimensions

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



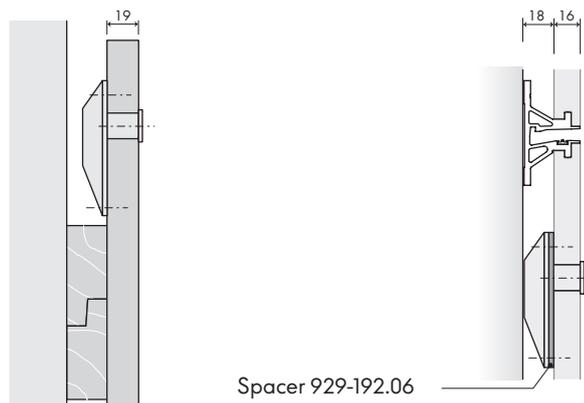
### • Assembly

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!

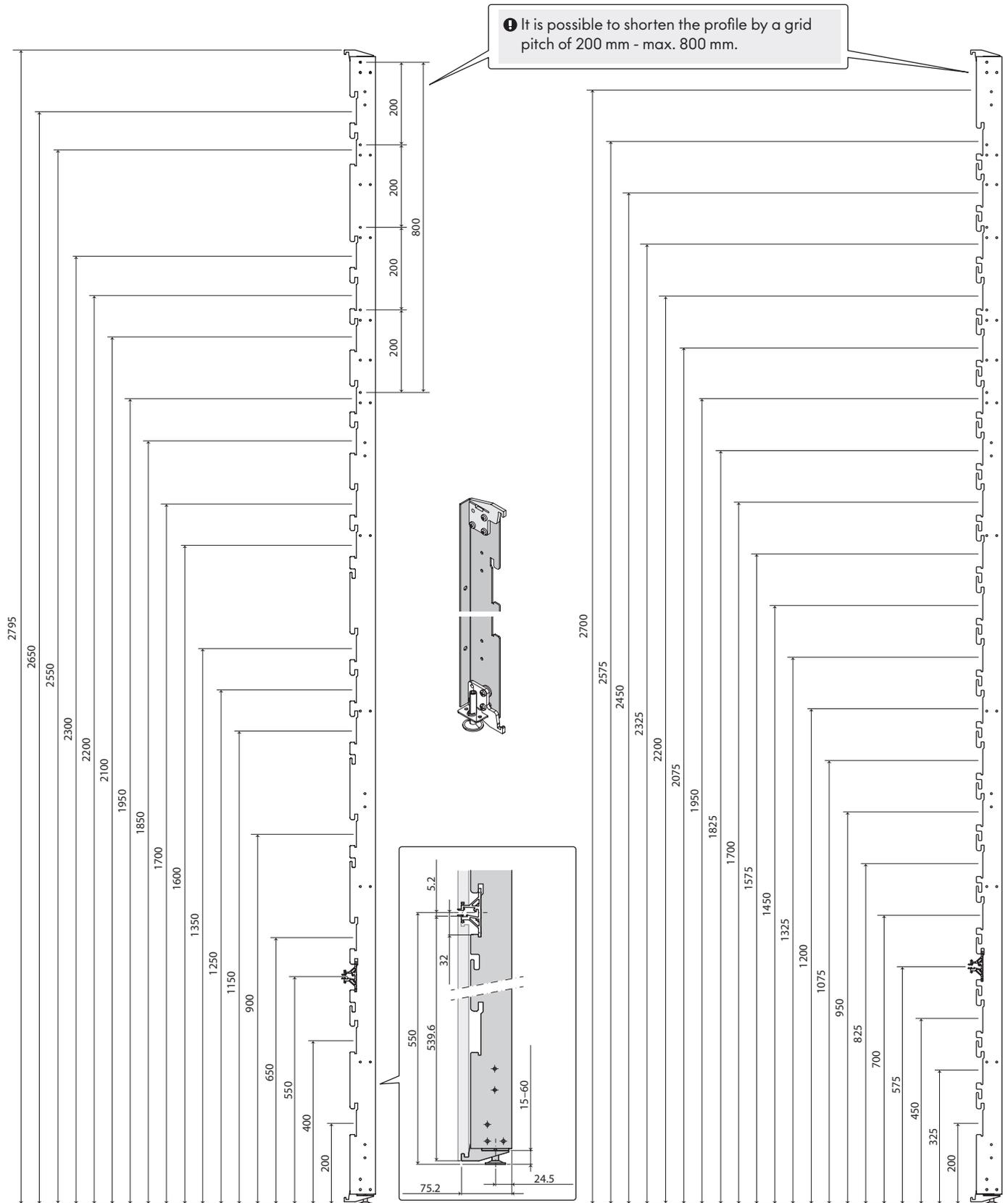
### • Examples of fixation



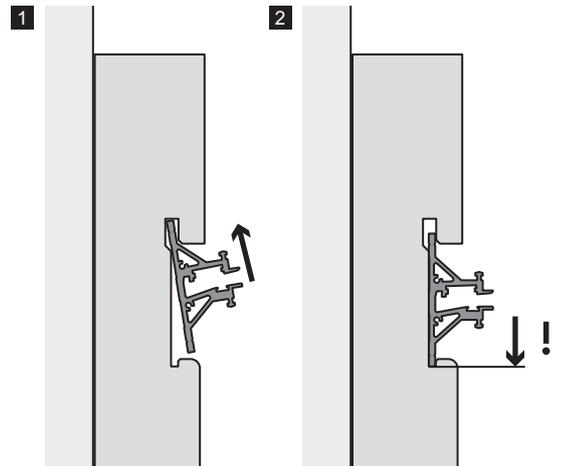
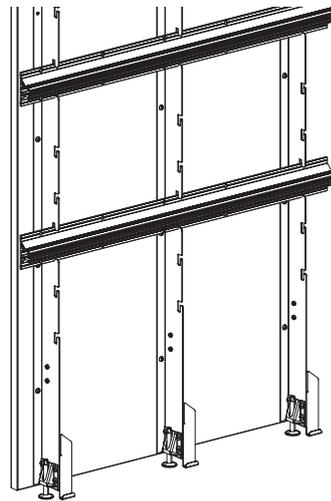
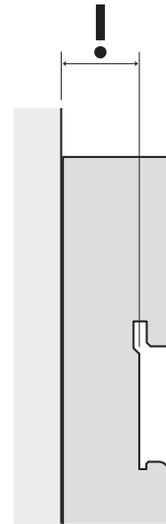
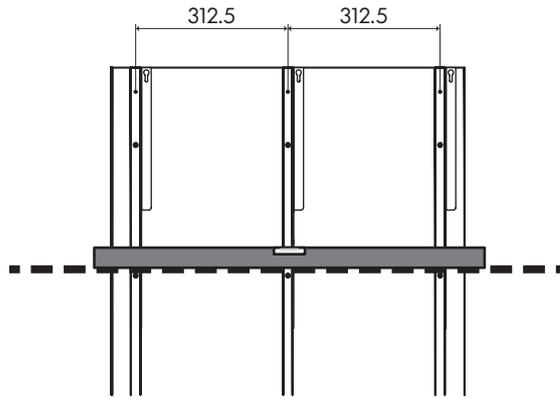
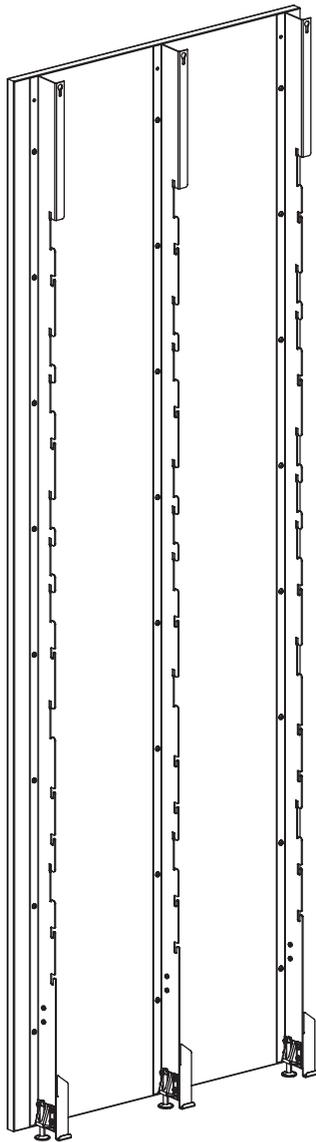
## Change by Invisible 6

- Dimensions of the substructure for Fashion

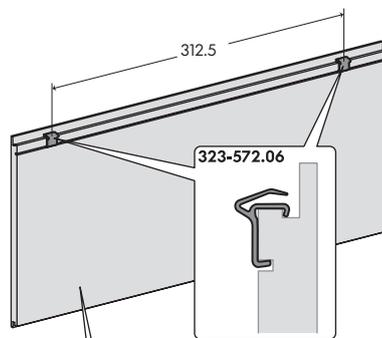
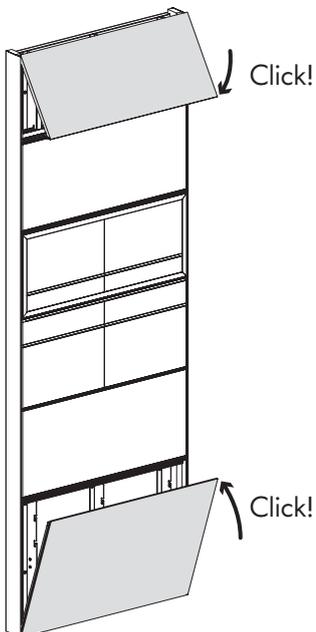
- Dimensions of the substructure for Health & Beauty



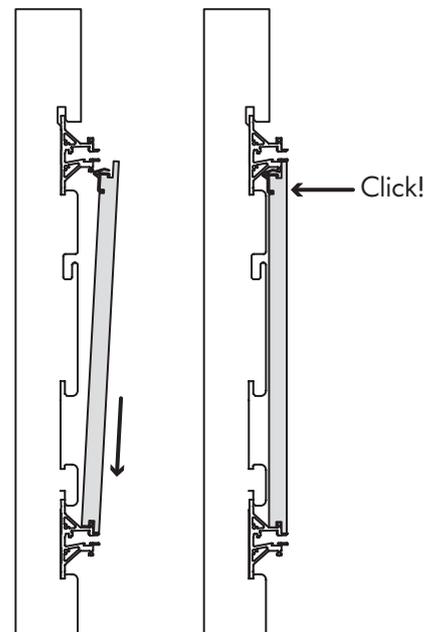
• Alignment and installation the substructure



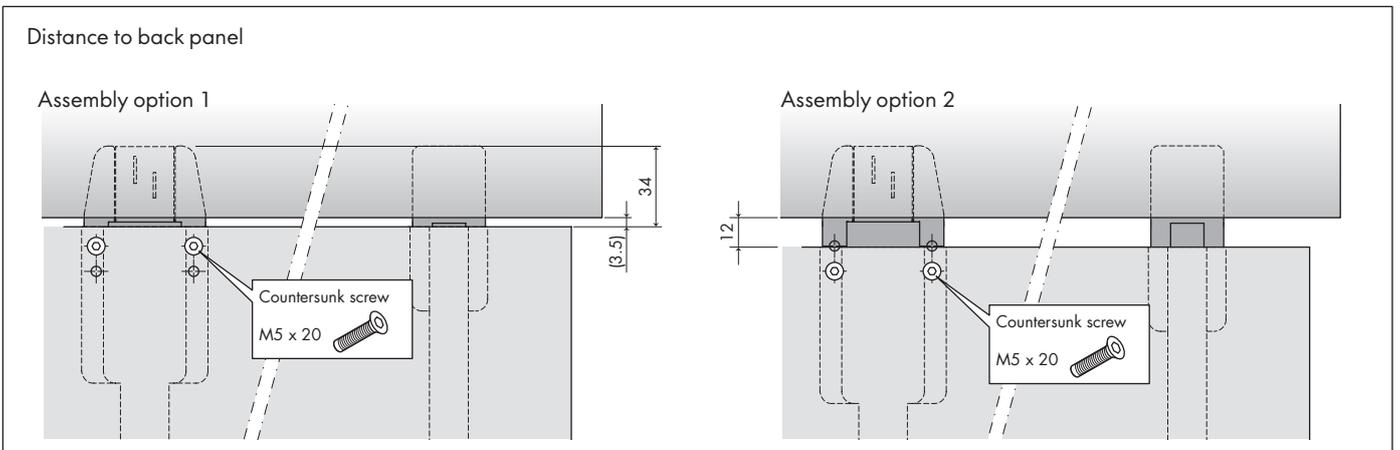
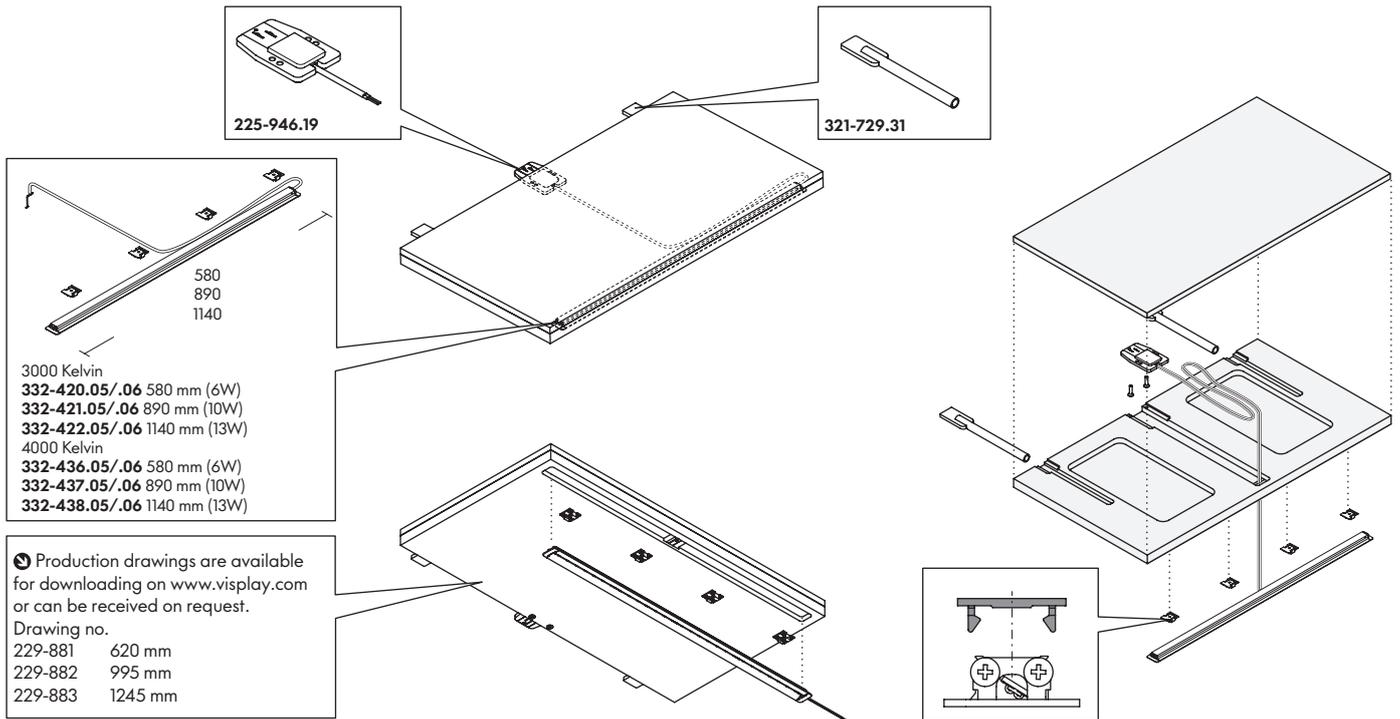
• Attaching the panels



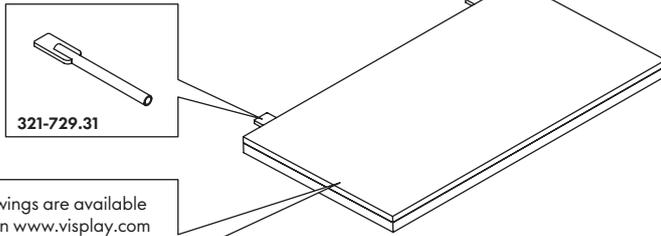
Production drawings of the panel is available for downloading on [www.visplay.com](http://www.visplay.com) or can be received on request.  
Drawing no. 365-302



## Wooden shelf for LED lighting fixture

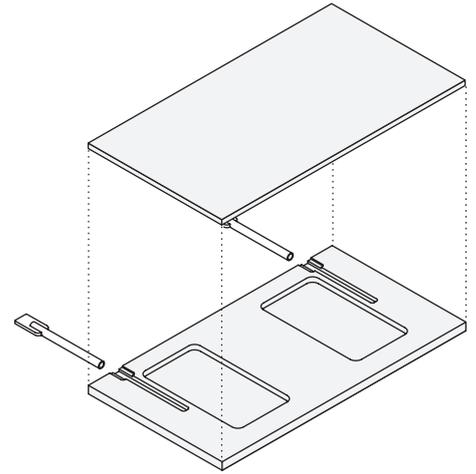


## Wooden shelf without electrification

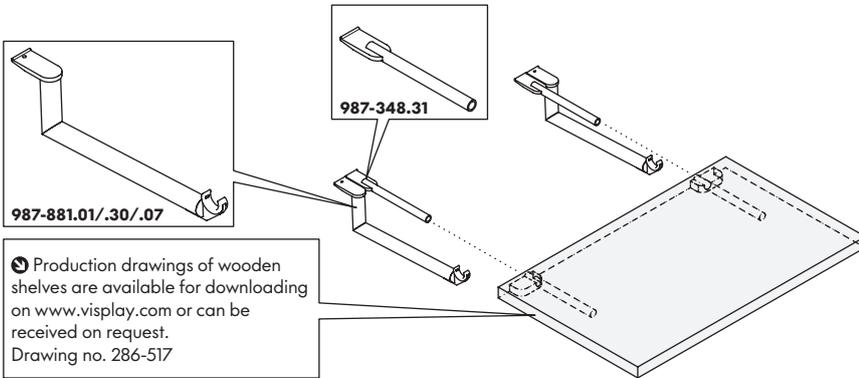


321-729.31

Production drawings are available for downloading on [www.visplay.com](http://www.visplay.com) or can be received on request.  
 Drawing no.  
 229-885 620 mm  
 229-886 995 mm  
 229-887 1245 mm



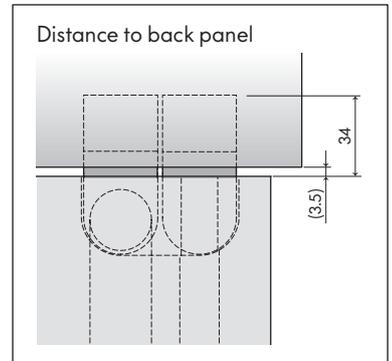
## Wooden shelf dimension for bracket concealed 987-348.31 and bracket for side hanging rail 987-881.01/.30



987-348.31

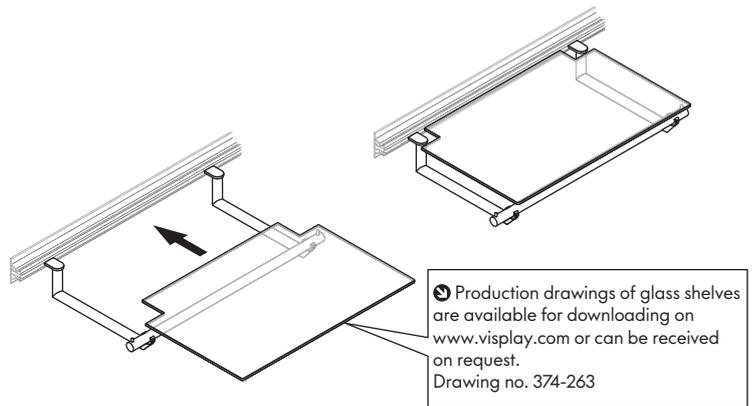
987-881.01/.30/.07

Production drawings of wooden shelves are available for downloading on [www.visplay.com](http://www.visplay.com) or can be received on request.  
 Drawing no. 286-517



## Glass shelves (safety glass) 6 mm with cutouts

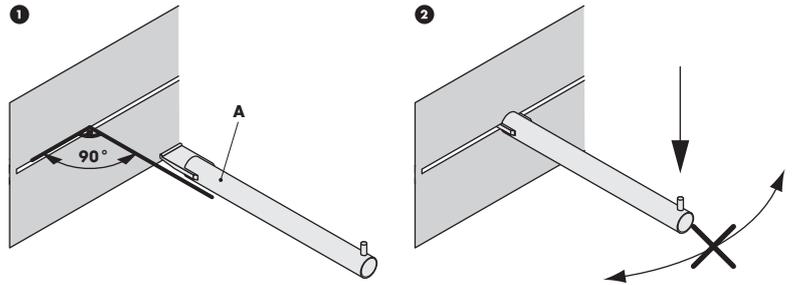
to be inserted into the profile.  
 The cutouts make it possible to insert further stepped brackets (987-881.01/30) for side hanging rail.



Production drawings of glass shelves are available for downloading on [www.visplay.com](http://www.visplay.com) or can be received on request.  
 Drawing no. 374-263

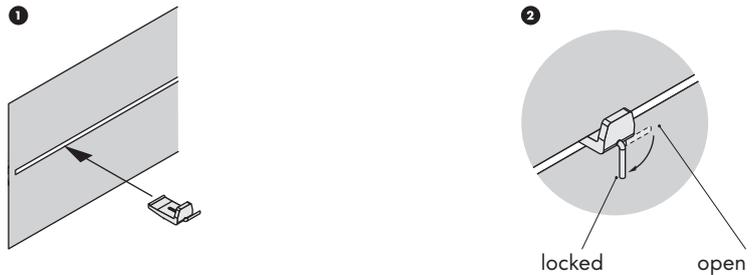
## Careful handling with merchandise support for Invisible 6

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.



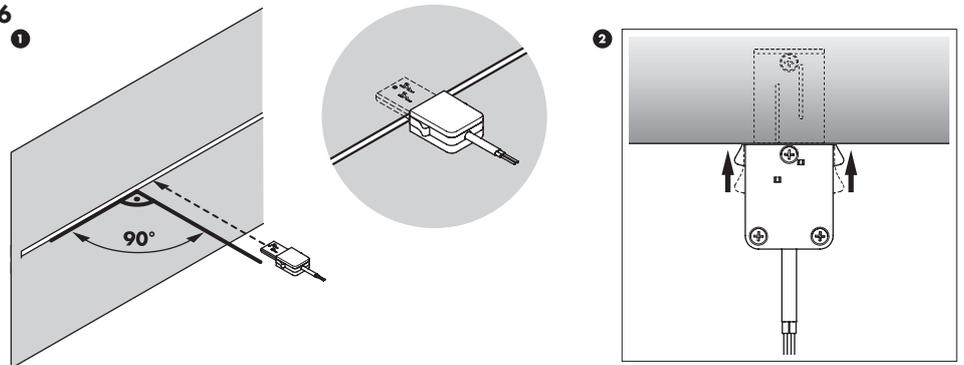
## Universal bracket for Invisible 6

1. Lift the bracket slightly and insert it into the profile at a 90° angle until you reach the limit stop.
2. Fix the universal bracket into place with the locking lever. Check that it is correctly secured.



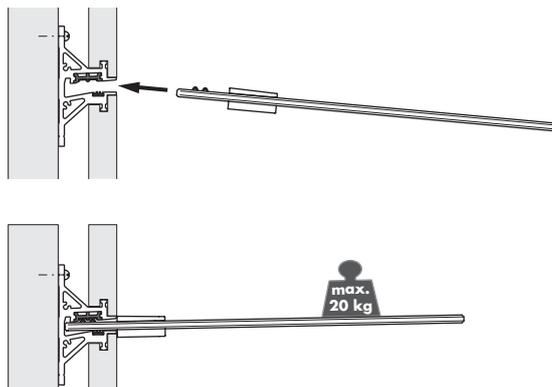
## Single power adapter for Invisible 6

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

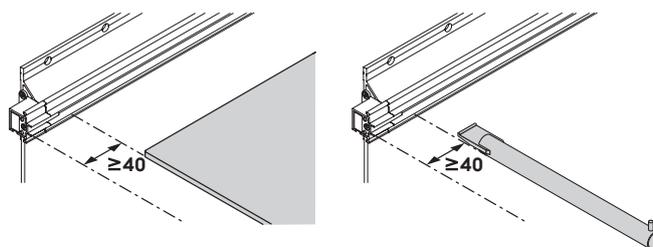
- !** In order to avoid any damage to the contact on the electrical adapters, it is important that the shelf is slightly inclined downwards when inserted into the electrical profile.



## Invisible 6 profile

When attaching supports or shelves, please observe a min. distance of 40 mm to the power adapter (left-hand side of profile).

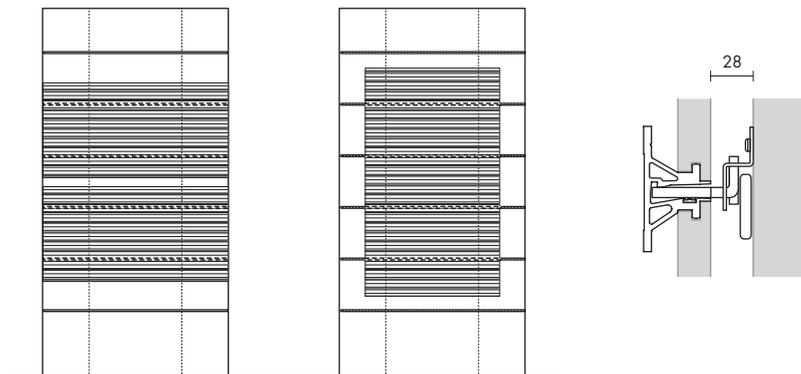
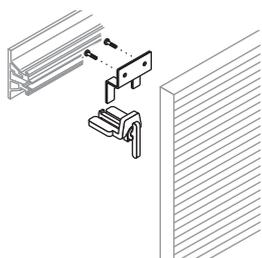
Warning: Only use the conductor rail for shelves with lighting and for low voltage appliances up to 13 watts (24 V).



## 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 are 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	40 kg
Holder set	per holder	20 kg
Front arm Ø 25 mm		25 kg
Front arm 30 x 15 mm		25 kg
Front arm Ø 12 mm		10 kg
Front arm 4 mm		10 kg
Hook Ø 7.5 mm		2 kg
Hanging rail Ø 25 mm, 600 mm T arm	for use in Invisible 6 holder set	20 kg
Hanging rail Ø 15 mm, 390 mm T arm	for use in Invisible 6 holder set	10 kg
Hanging rail 30 x 15 mm, 600 mm T arm	for use in Invisible 6 holder set	20 kg
Hanging rail 20 x 10 mm, 390 mm T arm	for use in Invisible 6 holder set	10 kg
Support bracket for wooden or glass shelf	for use in Invisible 6 holder set	20 kg
Bracket for hanging rail Ø 25 mm	per bracket	20 kg
Bracket for hanging rail Ø 15 mm	per bracket	10 kg
Bracket for hanging rail 30 x 15 mm	per bracket	20 kg
Bracket for hanging rail 20 x 10 mm	per bracket	10 kg
Bracket for wooden shelf	per bracket	20 kg
Bracket for glass shelf	per bracket	20 kg
Bracket 4 mm for wooden shelf	per bracket	10 kg
Bracket Ø 15 mm for wooden shelf	per bracket	15 kg
Angled shelf		15 kg
Universal bracket		20 kg
Fixing set for Invisible 6 profile		20 kg
Glass shelf 6 mm with cutouts (374-263)		15 kg
Glass shelf 6 mm (286-617)		20 kg
Glass shelf with LED lighting		20 kg

**visplay**

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