

Instructions for use

for customers

LEINER PERGOLA retractable patio roof

Congratulations!

You have chosen a quality product made by LEINER. Please read these instructions before using the product to prolong your enjoyment of your purchase.

We hope it will provide you with shelter for many happy hours.

*Kind regards,
LEINER GmbH*



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1. General information:

The uninterrupted use of the product without any problems is subject to your careful attention to these instructions before using the product.
It is important to follow these instructions in the interests of safety.
It is essential to heed the information in the instructions for use.
Failure to do so shall release the manufacturer from liability.
Please also read the information on the product and on the packaging.
Please keep all the instructions carefully (mounting instructions and instructions for use) and pass them on to the new owner if you sell the product at a later date.

2. Explanation of symbols:

Passages containing safety advice and important information are flagged up by symbols.



This symbol is used to identify information which is important for safety and for the operation of the awning.



This symbol indicates important product information for the user.

3. Validity:

These instructions for use apply to the single and connected retractable patio roof systems in the Pergola range.

4. Safety:



LEINER retractable patio roof systems are designed and made in conformity with the industry standard DIN EN 13561. If the operating instructions for the products are disregarded, however, this may put the persons involved in danger and may put the product or other property at risk.



The product must be in perfect condition when used and must be operated as intended and as specified in these instructions, with due regard for safety and in full awareness of the risks. Any problems which may jeopardise safety must be rectified immediately.

5. Intended use:

LEINER retractable patio roof systems are designed to be used as sunshades. The Sunrain models can also provide protection from rain (see sections 7.1 and 7.2 for more details). Any other application is regarded as other than intended use. The manufacturer shall not be liable for any damage sustained as a result of misuse. The awnings may not be modified, altered or fitted with attachments without the consent of the manufacturer.

Any parts which are damaged must be replaced immediately.

Original spare parts provided or specified by the manufacturer are the only parts which may be used.

Parts sourced from other suppliers cannot be guaranteed to have been designed and made to the correct specifications in terms of duty and safety.



The retractable patio roof systems are not designed to have items hung on them or fitted to them as the additional load caused by such objects may damage them and prevent them from working. Therefore, such action is not permitted.

Assembly and maintenance work may only be carried out by qualified professionals.

LEINER GmbH shall not accept liability for any damage arising as a result of non-compliance in this regard.

6. Product information:Technical data:

The dimensions and technical data for the retractable patio roof are available in the current catalogue at our stockists.

Electric drive specifications:

| Parameter | Value |
|---------------------------------|-----------------------------------------|
| Mains voltage | 230 V AC |
| Current consumption | Up to 1.2 amp (depending on the drive) |
| Wattage | Up to 250 watt (depending on the drive) |
| Electric drive protection class | IP 44 |
| Motor running time | Approx. 4 minutes |



The electric motor is not designed for continuous duty. The motor cuts out after approx. 4 minutes of operation to prevent overheating. The motor will be operational again after 15-30 minutes but will then only work for 1-2 minutes.

Wind speed limits:

Wind resistance classes for awnings are specified in DIN EN 13561 section 4.3, and a classification under this standard is the mark of a quality product. The higher the class, the better the quality of the product.

LEINER retractable patio roof systems in the Pergola L range meet the specifications for wind resistance class 3, the highest possible class. Please refer to the following table for the permissible wind forces as measured on the Beaufort scale:

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| Pergola S 1-panel system | | | | | | | | | | | |
|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Drop | | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| Width of system | 300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 |
| | 350 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 |
| | 400 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 |
| | 450 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 6 |
| | 500 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 6 | 6 |
| Pergola S 2-panel system | | | | | | | | | | | |
| | | Drop | | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| Width of system | 500 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 |
| | 550 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 |
| | 600 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 6 | 6 |
| | 650 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| | 700 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| | 750 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 800 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 850 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 900 | 8 | 8 | 8 | 8 | 7 | 6 | 6 | 6 | 6 | 6 |
| Pergola S 3-panel system | | | | | | | | | | | |
| | | Drop | | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 |
| Width of system | 900 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 6 | 6 |
| | 950 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 |
| | 1000 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| | 1050 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 |
| | 1100 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 1150 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 1200 | 9 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 1250 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |
| | 1300 | 9 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 6 | 6 |



The product only provides protection from wind when fully extended!

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| Pergola L 1-panel system | | | | | | | | | | |
|---------------------------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Drop | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 7 |
| | 350 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| | 400 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 7 |
| | 450 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 |
| | 500 | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| Pergola L 2-panel system | | | | | | | | | | |
| | | Drop | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 500 | 9 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 |
| | 550 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 |
| | 600 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 |
| | 650 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 |
| | 700 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 |
| | 750 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 800 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 850 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 900 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| Pergola L 3-panel system | | | | | | | | | | |
| | | Drop | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 900 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 |
| | 950 | 9 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 |
| | 1000 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 |
| | 1050 | 9 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 |
| | 1100 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 1150 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 1200 | 9 | 9 | 9 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 1250 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |
| | 1300 | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 7 | 7 |



The product only provides protection from wind when fully extended!

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| Pergola XLE/XLM 1-panel system | | | | | | | | | | | | |
|---------------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Width of system | Drop | | | | | | | | | | | |
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | |
| 300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 350 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 400 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 450 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 500 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Pergola XLE/XLM 2-panel system | | | | | | | | | | | | |
| Width of system | Drop | | | | | | | | | | | |
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | |
| 500 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 550 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 600 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 650 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 700 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 750 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 800 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 850 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 900 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| Pergola XLE/XLM 3-panel system | | | | | | | | | | | | |
| Width of system | Drop | | | | | | | | | | | |
| | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | |
| 900 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 950 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1000 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 1050 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 1100 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| 1150 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1200 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1250 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |
| 1300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 |



The product only provides protection from wind when fully extended!

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| Pergola LOUNGE 1-panel system | | | | | | | | | | |
|--------------------------------------|------|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | Ausfall | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 350 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 400 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 450 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 500 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Pergola LOUNGE 2-panel system | | | | | | | | | | |
| | | Ausfall | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 500 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 550 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 600 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 650 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 700 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 750 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 800 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 850 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 900 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Pergola LOUNGE 3-panel system | | | | | | | | | | |
| | | Ausfall | | | | | | | | |
| | | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 |
| Width of system | 900 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 950 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1000 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1050 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1100 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1150 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1200 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1250 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 1300 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |



The product only provides protection from wind when fully extended!



The retractable patio roof may only be used in winds meeting the resistance class specification stated by the manufacturer.

The wind force figures listed above relate to the system without side panel. If a side panel is fitted, it must be opened in winds of force 5 and above!



Snow:

Retractable patio roof systems are not designed to bear the weight of snow. They must be retracted if it snows.

Noise emission:

The noise level when not fitted is below 70dB(A), as measured in accordance with EN ISO 12100-2:2003.

Accessories:

The following accessories are available for LEINER retractable patio roof systems:
- Automatic sun/wind/rain sensor control

Detailed information about the right accessories and how to use them is available at every LEINER stockist.

7. Operation:

7.1 General information for the safe operation of retractable patio roof systems



Retractable patio roof systems may only be operated by persons who have been instructed in their use by professionals.

Do not allow children to operate the awning without adult supervision.

Keep remote controls out of reach of children.



Do not touch the awning while it is moving in or out (risk of trapping fingers).

Do not walk on the awning fabric and do not place objects on it which would weigh it down.

Do not attach toys, objects or weights to the tracks or crossbars. Do not lean objects such as ladders against the awning.



Switch off the automatic control function (wind/sun/rain sensor control) when working in the radius of the sensing devices to prevent the awning from moving automatically.



Retractable patio roof systems should be retracted before going out.



Do not extend the retractable patio roof in freezing conditions, snow or strong winds.

7.2 Operating the retractable patio roof



When the system is put into service, there must be a professional demonstration of the use of the electric drive to explain the layout of the controls.

Extending the system:

Press the relevant control and extend the awning fully or to the required position. The end position is reached when the motor stops running.



The product only provides protection from rain and wind when fully extended!

The front cross profile on the system is driven by a toothed belt. The other cross profiles run freely in the track and are only connected to each other via the canvas. This means that there cannot be an even movement of the profiles.

Retracting the awning:

Press the relevant control and retract the awning fully or to the required position. The end position is reached when the motor stops running. There is additional information on special functions in the documentation for the control units.

If the system is retracted in windy conditions, the fabric may be forced up causing incorrect folds in the fabric. When next extended, the fabric will be stretched again and the incorrect folds will disappear again with time.

7.3 Operating the lighting



When the system is put into service, there must be a professional demonstration of the use of the electric drive to explain the layout of the controls.

Switch on light:

Briefly push button. Light intensity can be either increased or decreased by pushing the corresponding button for a longer time.

Switch off light:

Briefly push button.

8. Cleaning and care:



Using a suitable aid to reach the required height, disconnect the drive motor from the power supply.



Do not use abrasive cleaners or scouring pads!
Do not use solvents like spirit or gasoline!

Cleaning the product:

Brush down the product with a soft broom or hand brush.

SUNWORKER Cristal:

Never clean the fabric **using a pressure washer**.

This will damage the fabric and cause it to leak.

PRECONTRAIINT 302 (PVC):

The fabric may only be cleaned with a pressure washer

if the pressure is significantly reduced or a large distance is maintained between the fabric and nozzle.

Do not use a concentrated jet. Instead, use a wide jet for this work.

The fabric can only be cleaned with a pressure washer if it is operated on a very low setting or if the nozzle is held at a extended distance from the fabric. Always use a fan jet rather than a pencil jet fitting.

The casing and guide profiles can be cleaned with a standard detergent and wiped down with a damp cloth.

9. Maintenance:

The retractable patio roof can only be guaranteed reliable and safe to use if the system is inspected and serviced regularly.

Check the retractable patio roof regularly for signs of wear and damage to the canvas, pullers, casing and guide profiles.



Clean the tracks for the rollers at least once a year (especially in the spring) and inspect them regularly for foreign bodies.



Check the pull cable for wear and damage at least once a year. The problems which may arise as a consequence can be prevented if parts are replaced in due time.

Arrange for any damage which is discovered to be repaired by a LEINER stockist or a suitable repair company.

Retractable patio roof systems which are in need of repair must not be used in order to prevent further damage.

10. Dismounting:

Incorrect mounting and dismounting practices can cause injury or property damage.

Always arrange for a LEINER stockist to dismount the system.

The relevant information and requirements are covered in the assembly instructions for the product.