

Inviting shade that you will love to sit beneath



We reserve the right to make technical alterations. December 2006



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Large sunshade **LuGaNo**



LuGaNo-Pagode

Pure elegance, advanced technology

*Despite their size and stability, thanks to a wealth of technical details, the **LuGaNo** shades are surprisingly easy to handle. At home as well as for discerning outdoor restaurants and cafés. Shade wherever you want it. Furthermore, its Luga-Tec fabric is essentially weather-proof.*

Technical details

Maximum size of the LuGaNo

- Round shade 24 m² = 5.6 m diameter
- Square shade 26 m² = 5.10 m x 5.10 m

Technical equipment

- Headplate, top of shade and pinnacle made of solid powder-coated material
- Spoke slider on four bearings
- Toggle fastener for optimum tension in the membrane
- Resistant to fairly high winds
- Available with or without a valance

Additional technical equipment

LuGaNo-Pagode

- Pagoda-type top provides better ventilation
- Resistant to higher winds

- Heat generated by lighting can escape at the top

Practical accessories

- Standing aids such as safety ground sleeve and screw-on or stone floor stand with anti-theft device
- Table tops can be fitted to the pole at bar counter, seat or table height
- Protective cover with optional zip
- Revolving advertising plate (blank)
- Connectors for joining more than one **LuGaNos**

Powder coating

- In 47 standard colours
- Surface permanently scratch and weather resistant

Pattern

- Weather-proof Luga-Tec fabric or acrylic

Drive

- Counter-rotating telescopic spindle system. Operated by hand crank or with power drill adaptor, e.g. rechargeable screwdriver

Options

- Shade fabric with differing fabric patterns per shade
- Powder coating in trendy conservatory colours and other RAL colours

The technical product highlights of the LuGaNo/LuGaNo-Pagode



The headplate

Headplate and pinnacle
are made of solid material, then powder-coated and so permanently scratch and weather resistant as well as rust-proofed.



The spoke slider

The spoke slider
has four bearings and runs on special glides.
(weinor patent No. 195 04 520)



The bolt securing mechanism

The bolt securing mechanism
The internal bolt securing mechanism protects the fabric from damage.
(Patent No. 195 01 746)



Aluminium bar

The bars
All bars are made of extruded aluminium. The pole diameter is 83 mm and the material is 5 mm thick, which makes it very stable and stiff.



The toggle fastener

The toggle fastener
Ensures the membranes are tensioned optimally.



Easy to open

The drive
The removable hand crank which is easy to hold and runs smoothly makes it easy to operate the **LuGaNo**. It is even easier with a power drill adapter, e.g. with a rechargeable screwdriver.

Affixing the LuGaNo/LuGaNo-Pagode



Ground sleeve with anti-theft device and winter cover

The ground sleeve

is the standard method of fixing the **LuGaNo**. The shade's pole can also be locked into the ground sleeve and so be protected from theft.

The winter cover

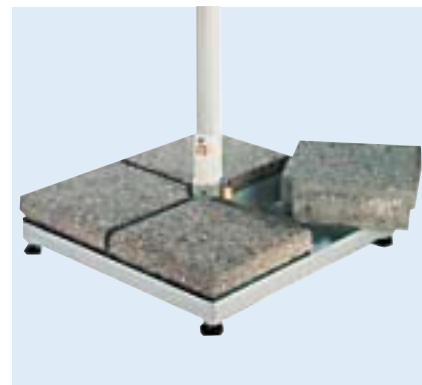
covers the ground sleeve level with the floor when the shade is not in place.



Ground sleeve and screw-on stand

The ground sleeve and screw-on stand

These two options provide the most secure method of affixing the **LuGaNo**. The plate at the bottom of the screw-on stand is 30 x 30 cm.



The stone stand

The stone stand

weighs 190 or 240 kg, is approx. 87 x 87 x 15 cm in size and is made of powder coated steel. It is considerably larger than the ground sleeve or the flat screw-on stand, but this makes it much easier to move the **LuGaNo**. The special shaped stones are rounded at the touching corners and lie close to the pole. The **LuGaNo** can be adjusted using the adjustable feet.

Useful accessories



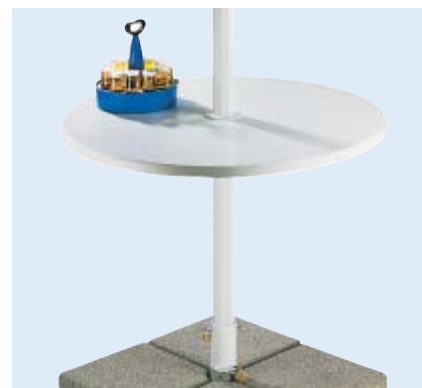
Protective cover with zip

◀ The protective cover

The protective cover with a zip makes daily setting up easy. (Not suitable with an advertising plate at the top.)

The table top ▶

is 120 cm in diameter and can be used at table or bar height.



The table top

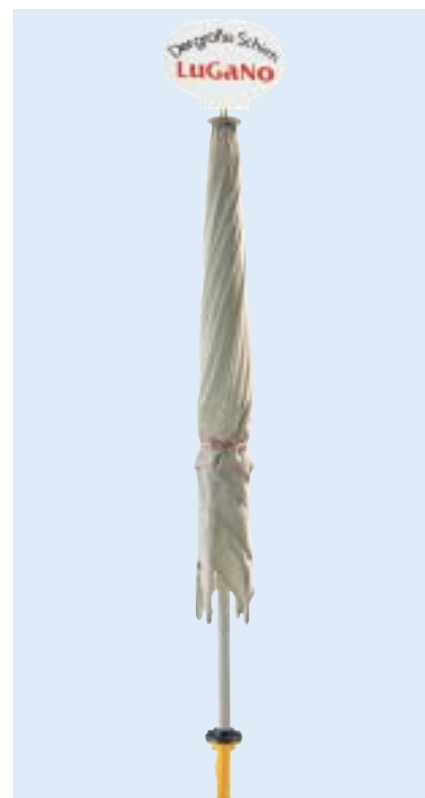
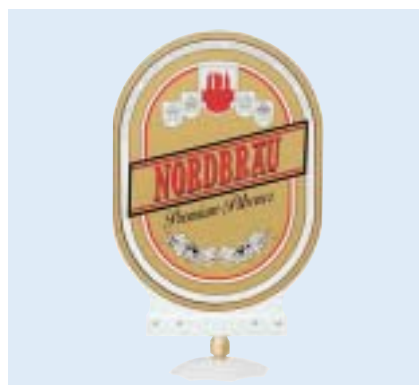
The LuGaNo for advertising

"Top" advertising

More than an alternative to the usual writing on the shade fabric or the valance are the revolving advertising plates which are simply placed at the top of the **LuGaNo**. Thanks to the in-built slider bearings, the advertising plate turns in the lightest of winds.

The advantages:

- Professional advertising when used for commercial purposes
- The advertising can still be seen when the shade is closed
- It is noticeable when it turns
- The plate can be fitted very easily
- It remains even when the fabric is changed
- It can replace text on the shade fabric or the valance
- A wide range of shapes can be made



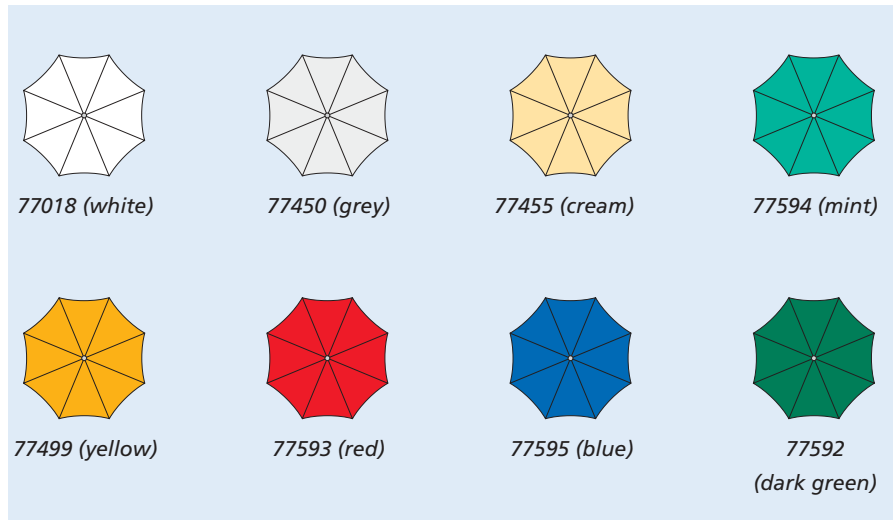
The choice of fabric for the LuGaNo

Luga-Tec fabrics

Luga-Tec materials are available in 8 fresh colours:

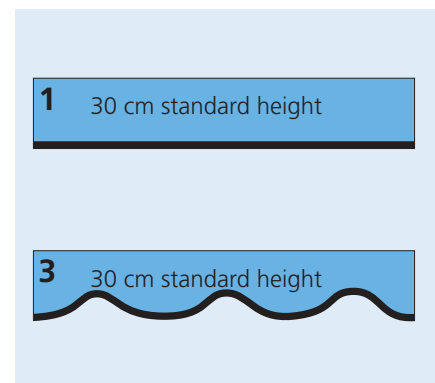
The demands placed on the fabric of a large sunshade are immense. That is why **Luga-Tec** was developed. It is a 100% polyester material with fabric look.

A special coating on one side makes it water resistant. Its optimum tensioning is assured by the fact that its stretch properties are very good. **Luga-Tec** fabrics are also very resistant to tearing.



Acrylic fabrics

On request, the acrylic fabrics from the weinor collection are available for the **LuGaNo**. The great advantage here is the wide choice of patterns. This means that a shade can readily match your awning. Acrylic looks more like textile than the **Luga-Tec** material, but because it does not stretch so much, in some cases it may crease. Its coating makes the acrylic water-resistant.



Notes on care

For lubricating, use only water- and dirt-resisting grease, sprays or liquids with Teflon content. All moving parts should be lubricated regularly.

Clean all powder coated parts at least once a year with clean water or with small quantities of neutral or slightly alkaline

washing detergents; do so more frequently if the parts are dirty.

Dust and dirt can be removed from the fabric with a brush. Stubborn stains should be removed with warm water at 40° and a slightly alkaline cleaning agent.

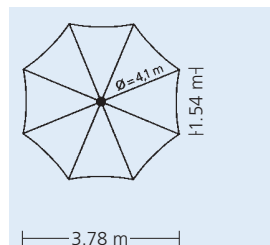
Valance

The standard shapes of valances available are shape 1 and shape 3 (if no preference is specified with the order, shape 1 will be supplied). Other shapes and heights are available on request for an additional charge.

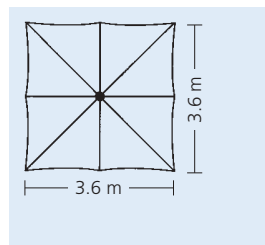
Summary of product advantages

Designation	Material	Surface treatment	Qualities	Your advantage
Shade frame	Extruded aluminium	Chrome-free pre-treated, powder coated	Highly resistant to breakage, surface permanently resistant to scratching and weather	You can choose the colour of the powder coating you would like. The pre-treatment of the bars means that they will not rust, even if the surface is damaged.
Drive	Trapezoidal spindle and wire made of stainless steel		Rust-proof and runs easily	The removable crank handle makes it easy and light to operate. Using the supplied drill adapter, you can also operate the LuGaNo with, for example, an electric screwdriver.
Ground sleeve	Extruded aluminium, cast aluminium parts		The most secure method of erection	Shade post can be secured from theft, the winter cover can be locked flush with the floor.
Screw-on stand	Steel	Galvanised, powder coated	Surface protected	Can be fitted easily to a suitable floor surface, e.g. concrete.
Stone stand	Steel	Powder coated	Surface protected	Shade pole can be adjusted easily, is lockable, and can be moved
Table top	Werzalit (Metamine coated Masonite sheet)		Durable, weather proof	Table top can be used at table or bar height.
Shade fabric	Luga-Tec	Water resistant coated		Virtually waterproof, underneath remains dry during a shower
	Acrylic	Spin-jet dyed, impregnated		Textile-look, wide choice of patterns, also to match your awning
Valance	Luga-Tec or acrylic			Choice of valance shape 1 or 3
Connector	Luga-Tec			For joining several shades together
Screen-printed writing	The shade fabric and/or the valance can be screen-printed with lettering.			

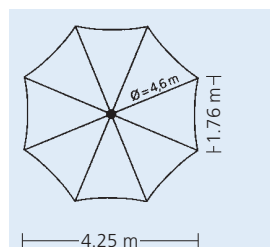
Dimensions/summary of types



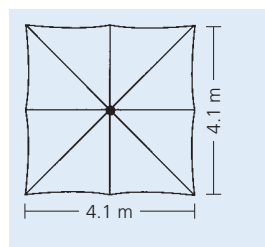
LuGaNo	
410 R	12 m ²
Open height	3.14 m
Closed height	3.80 m
Pass line height	2.25 m
Clearance underneath	1.54 m



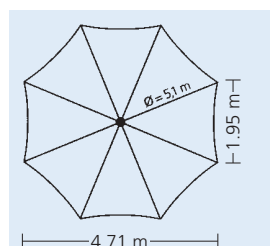
LuGaNo	
360 E	13 m ²
Open height	3.05 m
Closed height	3.72 m
Pass line height	2.25 m
Clearance underneath	1.00 m



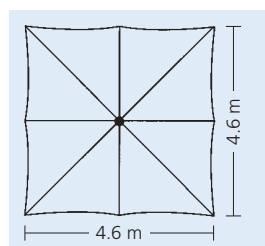
LuGaNo	
460 R	15.5 m ²
Open height	3.23 m
Closed height	3.90 m
Pass line height	2.25 m
Clearance underneath	1.36 m



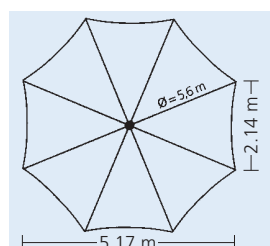
LuGaNo	
410 E	17 m ²
Open height	3.14 m
Closed height	3.80 m
Pass line height	2.25 m
Clearance underneath	0.73 m



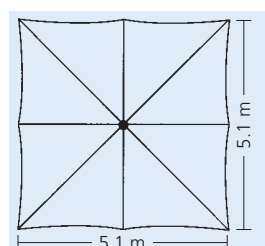
LuGaNo	
510 R	19 m ²
Open height	3.32 m
Closed height	3.99 m
Pass line height	2.25 m
Clearance underneath	1.19 m



LuGaNo	
460 E	21 m ²
Open height	3.23 m
Closed height	3.90 m
Pass line height	2.25 m
Clearance underneath	0.45 m



LuGaNo	
560 R	24 m ²
Open height	3.41 m
Closed height	4.08 m
Pass line height	2.25 m
Clearance underneath	1.01 m



LuGaNo	
510 E	26 m ²
Open height	3.32 m
Closed height	3.99 m
Pass line height	2.25 m
Clearance underneath	0.18 m

On round shades, the pass line heights at the spokes may vary by ± 5 cm.

All dimensions apply to when using the ground sleeve.

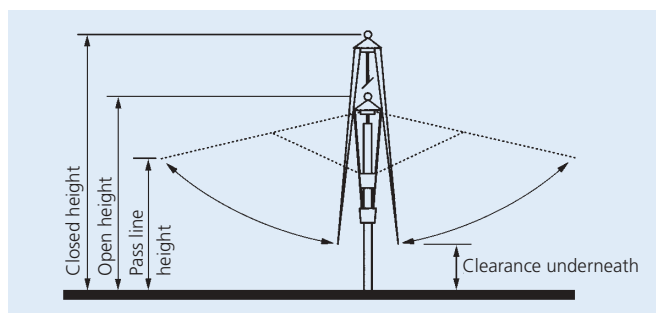
For other stands the following apply:

Screw-on stand Height = 0.8 cm

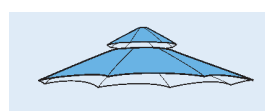
Stone stand Height = 5.0 cm

On square shades, the pass line heights at the corner spokes may vary by ± 10 cm.

All measurements are approximate.



LuGaNo-Pagode

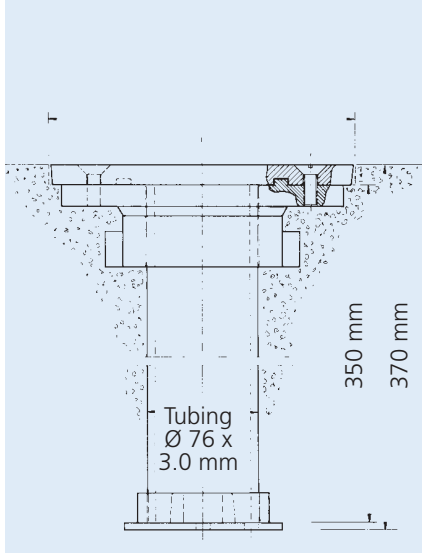


i With the LuGaNo-Pagode, the "open" and "closed" dimensions each increase by 22 cm.

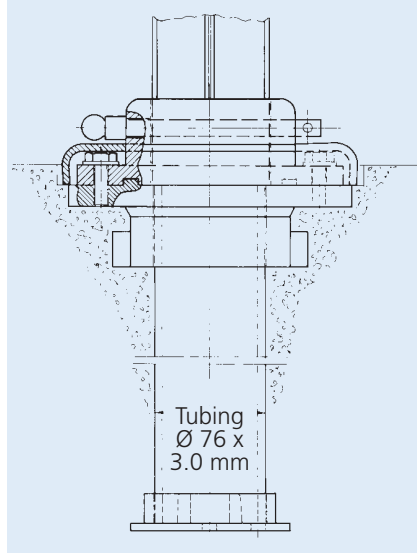
Technical notes

Due to the different materials (polyester, acrylic, etc.) there may be minor variations in measurements of the top fabric (membrane). At first, there should be resistance to cranking in the end stages so that after some exposure to the weather the optimum pre-tension is reached.

Ground sleeve

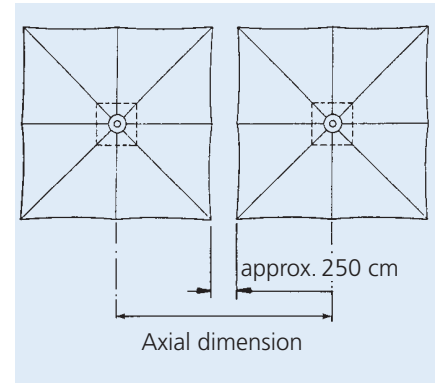
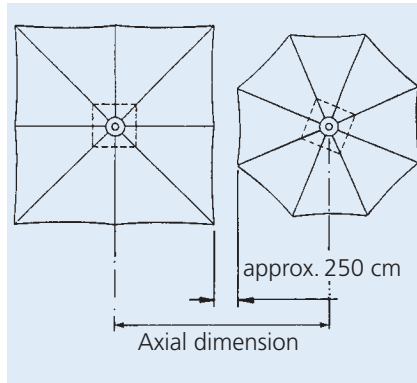
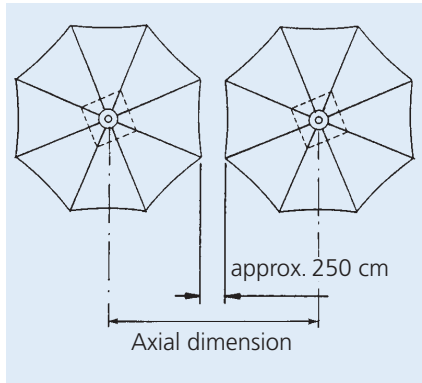


Ground sleeve with cover plate for the winter.
Foundation 50 x 50 cm, 60 cm deep



Ground sleeve with shade in place, facing and security bolt.

Foundation axis



Foundation axial dimensions for ground sleeves (Dimensions in mm)

Type	360E	410E	460E	510E	410R	460R	510R	560R
360 E	3850	4100	4350	4600	3940	4175	4405	4635
410 E	4100	4350	4600	4850	4190	4425	4655	4885
460 E	4350	4600	4850	5100	4440	4675	4905	5135
510 E	4600	4850	5100	5350	4690	4925	5155	5385
410 R	3940	4190	4440	4690	4035	4265	4500	4730
460 R	4175	4425	4675	4925	4265	4500	4730	4960
510 R	4405	4655	4905	5155	4500	4735	4960	5190
560 R	4635	4885	5135	5385	4730	4960	5190	5420

Top fabric

Acrylic or Luga-Tec fabric

The table will help you choose the right material:

i Please note that the bright colours of the acrylic fabric can increase the advertising power of your LuGaNo sunshades. Dark colours appear to remain clean for longer. Because of the rubbing effect when opening and closing, the light sections of multi-coloured fabrics may become discoloured.

The colours of shades with the same pattern but ordered at a later date may be slightly different.

	Acrylic	Luga-Tec
Fabric	Chain and drop spin jet dyed acrylic thread	Chain and drop polyester thread
Surface weight	Approx. 300 g/m ²	Approx. 1800 g/m ²
Max. pulling power	Chain and drop Approx. 120 daN/5 cm Approx. 80 daN/5 cm	Chain and drop Approx. 100 daN/5 cm Approx. 100 daN/5 cm
Stretch	Chain and drop Approx. 25 % Approx. 25 %	Chain and drop Approx. 37 % Approx. 20 %
Water column	Approx. 300 mm	Approx. 600 mm
Light fastness	7 – 8, depending on pattern	6 – 8, depending on pattern
Coating	Impregnated, dirt resistant, water resistant	Acryliat coated on one side
Properties	<ul style="list-style-type: none"> • Wider choice of patterns • Water resistant due to coating • May crease • Textile-look 	<ul style="list-style-type: none"> • Not colour-fast • Water resistant due to coating • Will stretch and fit the shade

Wind load

Works certification of permissible wind loads for the LuGaNo shade

LuGaNo-model	max. permissible wind speed when fully open
410 R	34 mph – wind force 7
460 R	30.5 mph – wind force 6
510 R	28 mph – wind force 6
560 R	25.5 mph – wind force 6
360 E	30.5 mph – wind force 6
410 E	30.5 mph – wind force 6
460 E	28 mph – wind force 6
510 E	25.5 mph – wind force 6

These wind speeds apply under the following conditions:

1. The **LuGaNo** shades are either set in a weinor ground sleeve with foundations measuring 50 x 50 x 60 cm or in a weinor

floor stand of the weight applicable for the model of shade.

2. The shade must be fully open so as to ensure maximum rigidity.

If the wind strength is greater than given above, the shade must be closed. In this state, it can withstand higher wind speeds. Please observe the following points:

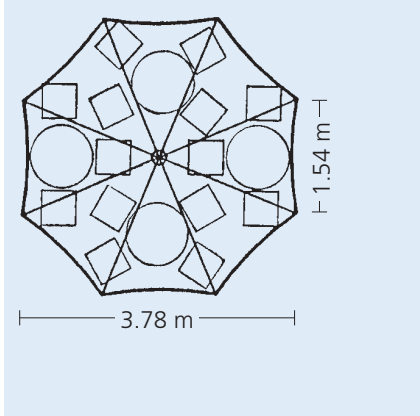
1. Close the **LuGaNo** shade.
2. Remove the crank.
3. Fold the membrane cloth as with an umbrella – the sections outside – and pull it together with a belt.
4. Now pull the protective cover over the shade and tie this up with the attached tape.

If you only want to close the shade for a short time and there is no gale warning, it is not necessary to fit the protective cover. The membrane should always be folded and tied.

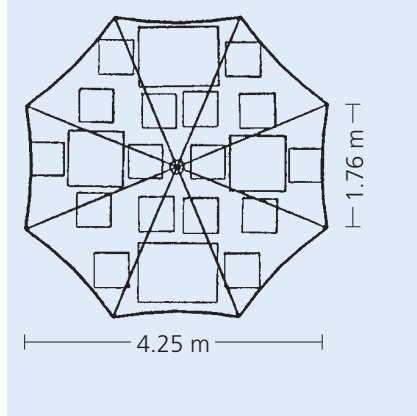
The **LuGaNo** shade is only stable in the fully open or fully closed state. Only then will the works guarantee apply. Please observe these points so that your **LuGaNo** shade is safe in windy weather.



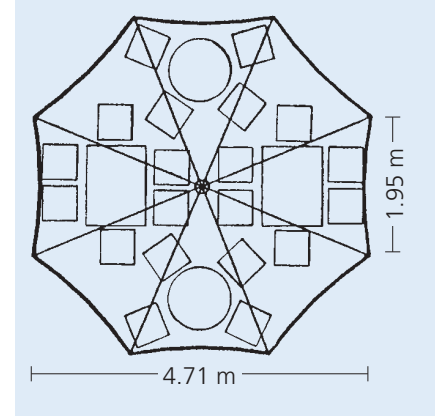
Examples of seating arrangements



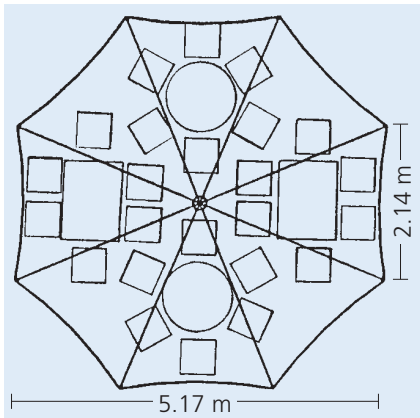
Example for LuGaNo 410R, Ø = 4.1 m



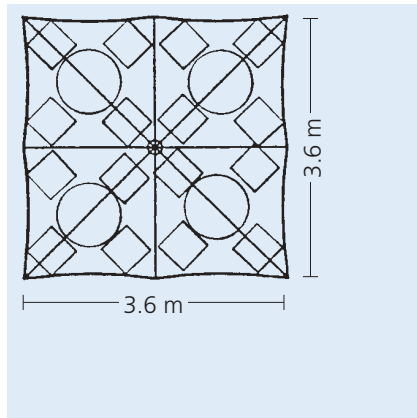
Example for LuGaNo 460R, Ø = 4.6 m



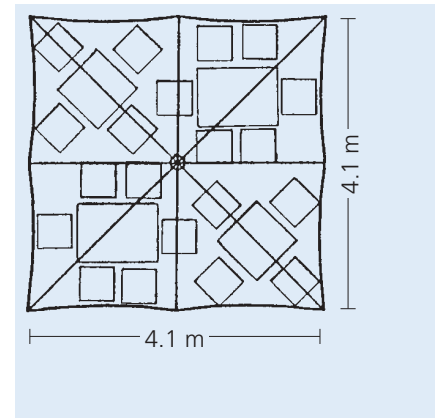
Example for LuGaNo 510R, Ø = 5.1 m



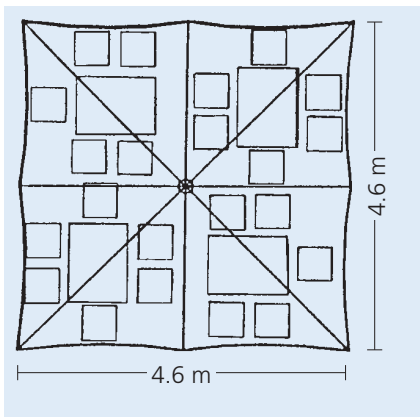
Example for LuGaNo 560R, Ø = 5.6 m



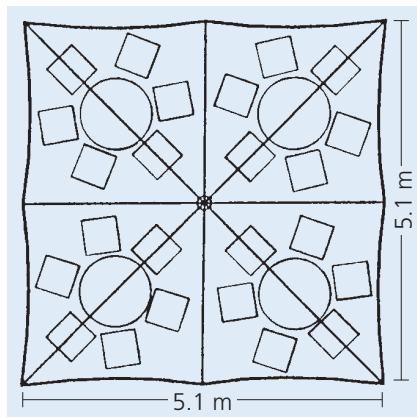
Example for LuGaNo 360E



Example for LuGaNo 410E



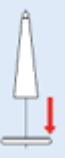
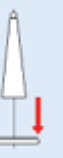
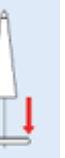

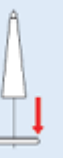




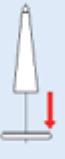
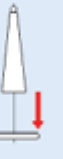


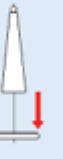


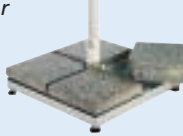

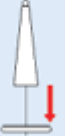
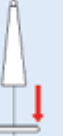
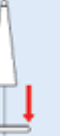

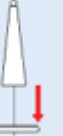







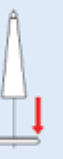
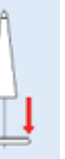

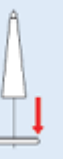
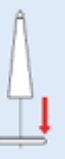




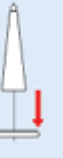


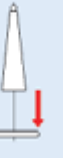
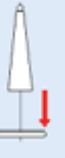




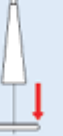
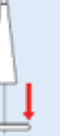

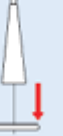


Example for LuGaNo 460E



Example for LuGaNo 510E

Which types of LuGaNo are suitable for a table?

LuGaNo with valance	410R	460R	510R	560R	360E	410E	460E	510E
Ground sleeve 								
Screw-on stand 								
Stone floor stand 								

LuGaNo without valance	410R	460R	510R	560R	360E	410E	460E	510E
Ground sleeve 								
Screw-on stand 								
Stone floor stand 								



Shade can be closed with table fitted.

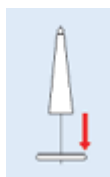
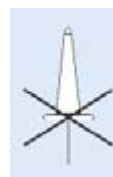


Table must be lowered before closing the shade.



Shade cannot be closed if a table is used.

This information is based on a table height of 110 cm.