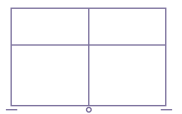




REISS Acoustic Solutions  
Concentrating on success.

We know how to create offices.





# Loud becomes quiet – REISS Acoustic Solutions.

With acoustic solutions from REISS, you can create permanent or selective quiet zones and creative communication areas. They influence the room atmosphere efficiently and sustainably. This creates optimum audibility for concentrated work and productive teamwork - very simple, flexible and variable.

The noise-absorbing, customisable components offer a wide range of options for the optimal design of room acoustics:

- as table extension for tabletop mounting
- as table extension for rear table mounting
- as a movable wall, self-standing, with feet or also mobile with castors
- as decorative fronts and back panels in storage solutions
- with a wide range of fabrics, acrylic glass tops and magnetic whiteboard surfaces

## **Motivation and performance**

through audibly and visibly good room design

## **Creativity and concentration**

through customisable work, rest and communication areas

## **Efficiency and economy**

through motivated staff and optimal workplace design

## **Communication**

thanks to optimised room structures that promote free exchange without restricting concentrated work

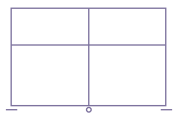
## **Health and safety**

through a quiet working atmosphere and the creative implementation of distance regulations



Our quality and environmental management is certified according to DIN EN ISO 9001 and DIN EN ISO 14001. Since 2013, our environmental management has met the EMAS III requirements.





ACOUSTICS



## Flexibility for maximum concentration.

Whether single or double workplace: The flexibly applicable visual and sound insulation elements of the REISS Calo systems (22 and 42) immediately ensure clearly audible differences in every open space office. The height of the rear table element can be variably fixed and with REISS Calo 42 it can be extended with an organisation rail for optional accessories.

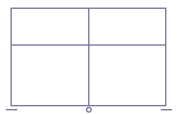


### HIGHLIGHTS AND OPTIONS

- The height of the rear-desk element can be variably secured directly at the table frame without any restrictions in the functionality of the sliding table top
- Very fast installation of table extensions via REISS Connect 8 modules
- At coupled tables, the privacy and sound insulation wall is attached to the coupling. The functionality of the table top remains unrestricted
- The integrated, double-sided usable organisation rail provides space for optional accessories and extends the functionality of the desk







ACOUSTICS

Variable according to need.



The table extensions of the range in combination with the sound-absorbing REISS Calo movable walls, which can always be set up exactly where they are needed, are even more effective – either on flat pedestals or on brackets with castors for mobile privacy and sound insulation. Suitable for variable requirements or use.

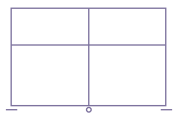
Fast and stable connection of the frame sections using a corner connection at an angle of 90°.



#### HIGHLIGHTS AND OPTIONS

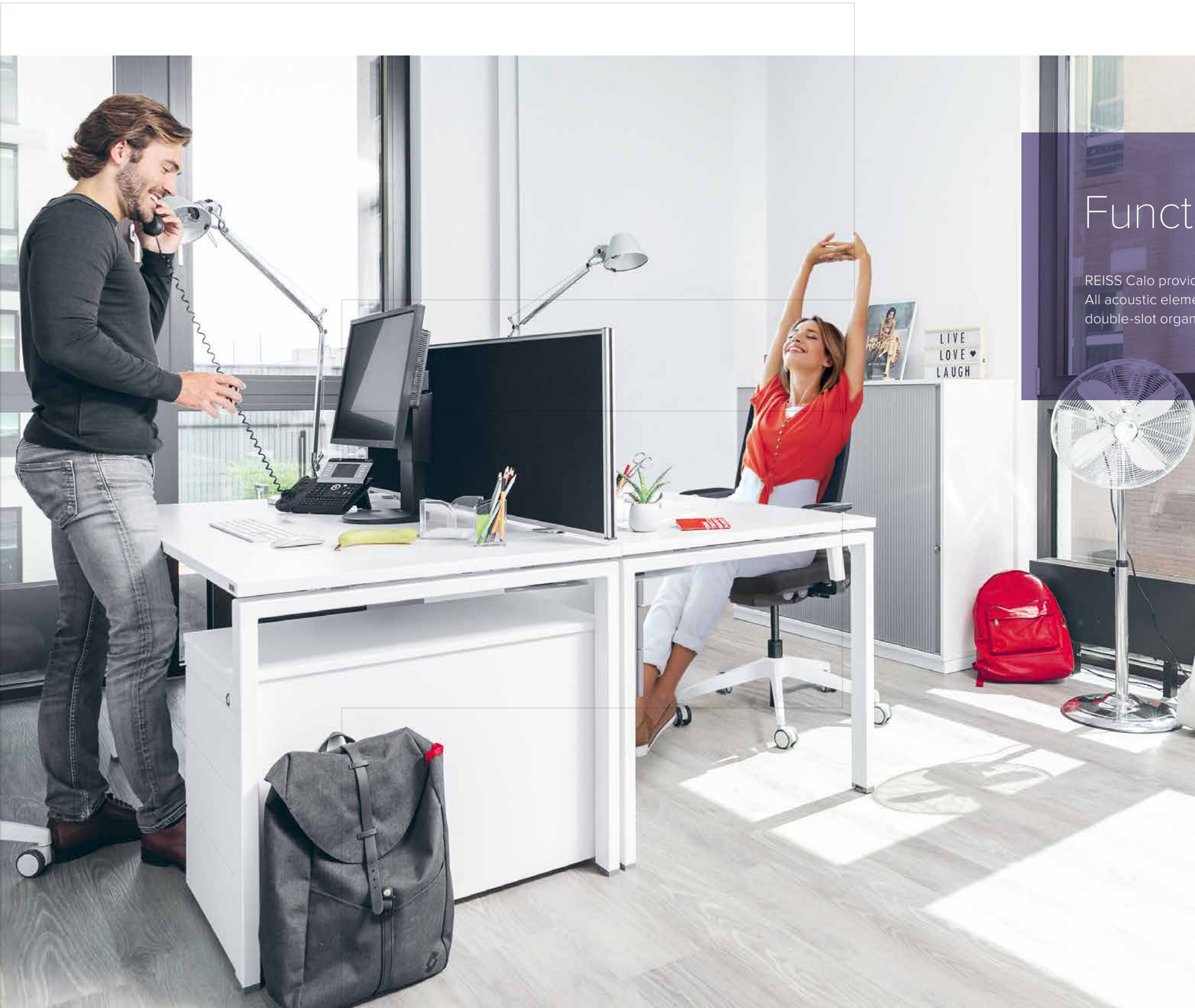
- Depending on requirements, the frame profiles can be attached using a corner connection at a stable 90° angle.
- The frame profiles, natural anodised, accentuate the acoustic elements particularly well in every variant





## Functionality with overview.

REISS Calo provides not only privacy and sound insulation, but also facilitates work organisation. All acoustic elements covered with fabric can be used as pin boards on both sides. In combination with the double-slot organisation rail, a maximum of functionality and organisational overview is created.



### HIGHLIGHTS AND OPTIONS

- The frame profiles, natural anodised, accentuate the acoustic elements particularly well in every variant
- REISS Connect 8 modules enable quick and easy installation of table extensions
- Optionally, a double-slot organisation rail that can be used on both sides is available for REISS Calo 42

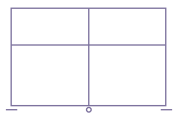


Visual design highlight: natural, anodised frame profiles available for every variant



Double-slot organisation rail, only for REISS Calo 42





## Privacy for team players.

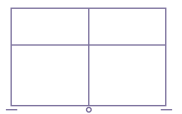
Workplace-specific structures in open-space offices can be implemented excellently with REISS Calo 42. This protects the privacy and concentration. At the same time, versatile wall panels, such as pinnable fabric in combination with magnetic whiteboard inserts, provide flexible space for individual workplace organisation.



The REISS Calo 42 movable walls offer flexible space for individual workplace organisation with various wall fillings, such as pinnable fabrics in combination with magnetic whiteboard inserts.



With the variable-angle connecting column, two to four acoustic elements can be connected to each other.



ACOUSTICS

## Best Performance.

Highest variability, integrated design and optimum sound absorption: This and more distinguish the acoustic elements of the REISS Calo 42 program. Features that can score immediately in reception and communication areas. Whether transparent design or discreet privacy screen, the REISS Calo 42 System movable walls can be individually combined and just as easily and safely set up.



Attractive design: REISS Calo 42 with 42 mm wide aluminium frame



Safety: Rectangular feet for free-standing elements ensure maximum stability



REISS is very close to you. Our distribution network includes more than 300 specialist dealers in Germany and Europe. Or visit our showrooms in Bad Liebenwerda, Berlin and Frankfurt am Main. We look forward to seeing you!



# Acoustic principles

## Problem zone 125 to 4000 Hertz

The acoustic effect of a room depends mainly on the frequencies present there. The human auditory system is particularly sensitive to noises in the frequency range between 125 and 4000 Hz, in which conversations also take place. The reverberation time denotes the time required for the sound pressure level to drop by 60 dB after the noise source is switched off.

## The sound absorption coefficient and sound-absorption classes

Sound absorbers reduce the reverberation time in a specific frequency range, thereby adding to the noise absorption already existing in the room. This is why sound absorbers should always be selected with a view to their intended area of use. The absorption coefficient  $\alpha$  serves as the baseline value for classification into sound-absorption classes. It specifies the ratio of absorbed to reflected acoustic energy. An absorption coefficient of 1 denotes 100 % sound absorption, 0 denotes 100 % sound reflection.

Acoustic elements are evaluated in accordance with DIN EN 11654 and classified from A to E in their acoustic effectiveness. However, the classification cannot be equated with the overall quality of a sound absorber. In this way, for example, Class A sound absorbers generally possess their optimum degree of efficiency at high frequencies, such as those occurring in indoor swimming pools, event rooms and concert halls.

In office and meeting rooms, however, other frequencies are prevalent. Therefore, acoustic elements with a good sound absorption performance in the middle or lower frequency range are needed here. This requires class B sound absorbers, which include all REISS acoustic walls covered with fabric.

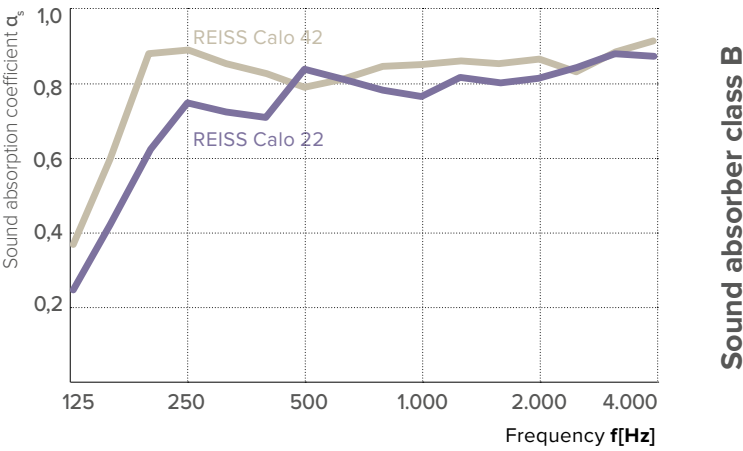
Sound-absorption class	Evaluated sound absorption coefficient $\alpha_w$
A	0,90–1,00
B	0,80–0,85
C	0,60–0,75
D	0,30–0,55
E	0,15–0,25
	$\alpha_w$ 0,00–0,10 not classified

	REISS Calo 22	REISS Calo 42	Acoustic storage space components
Sound-absorption class	B (measured lying)	A (measured standing on one side)	C (measured standing)
Wall thickness	22 mm	42 mm	19 mm
Construction	Aluminium frame, polyester fibre fleece (18 mm)	Aluminium frame, polyester fibre fleece (35 mm)	Décor fronts, superimposed rear walls
Special feature	Slim, unobtrusive design	Diverse range of filling materials and connecting elements	Available for all REISS cabinet systems
Improvement to room acoustics	X	X	X
Visual shielding	X	X	
Creation of a 3rd level (organisation rail)		X	
Colour highlighting	X	X	

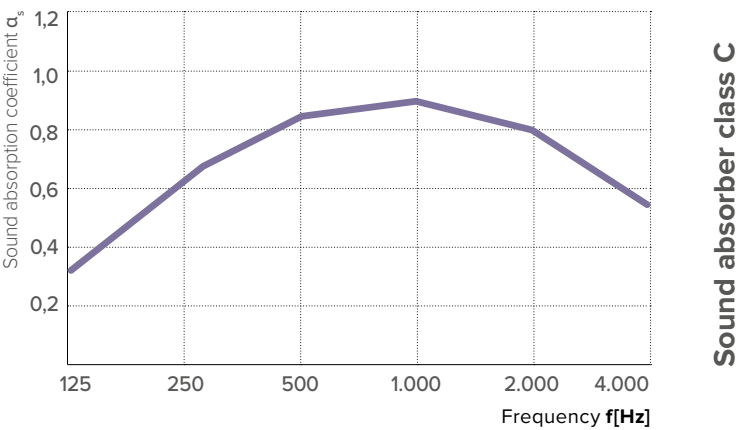
# Technical data



**REISS Calo 22/42**  
Natural anodised aluminium frame with a filling of 18 mm (for 22 mm wall thickness) or 35 mm (for 42 mm wall thickness) thick polyester fibre fleece. The filling is covered on both sides with a dirt-resistant fabric made of 100 % recycled polyester (polyolefin).



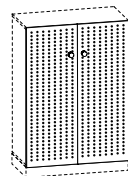
**Double doors and sliding doors, rear walls**  
Sound absorbing fronts such as double doors and sliding doors or attached rear walls made of laminate perforated on both sides (panel material) and with a close-meshed honeycomb core.





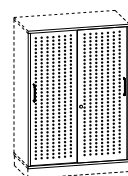
REISS Acoustic components  
can be used with REISS cabinet  
system

Double doors



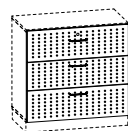
Height	Width
1 OH*–6 OH	430
	610
	800
	1.000
	1.200

Sliding doors



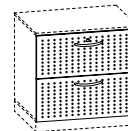
Height	Width
2 OH–3 OH	800
	1.000
	1.200
	1.600

Wide-wall drawers



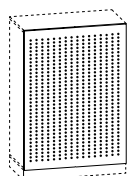
Height	Width
2 OH–4 OH	800

Suspension file cabinets

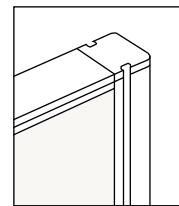


Height	Width
2 OH–4 OH	800

Rear walls



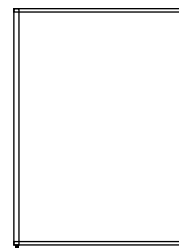
Height	Width
1 OH–4 OH	430
	610
	800
	1.000
	1.200
	1.350
	1.600



REISS Calo 22

Movable walls

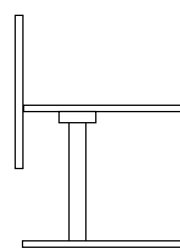
Fabric



Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200

Table extensions

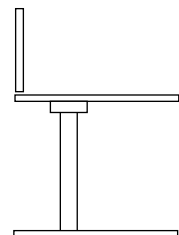
for rear table installation (rear)  
and coupling REISS Eco N2  
and REISS Avaro



Height	Width
800	800
1.000	1.000
	1.200
	1.400
	1.600
	1.800
	2.000

Table extensions

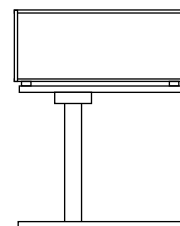
for table installation,  
(rear)



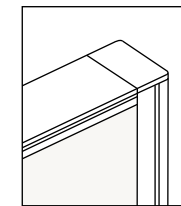
Height	Width
400	800
600	1.000
	1.200
	1.400
	1.600
	1.800
	2.000

Table extensions

for table installation,  
(front)



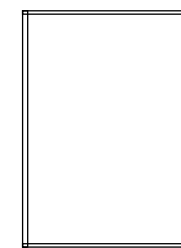
Height	Width
400	778
600	878
	978



REISS Calo 42

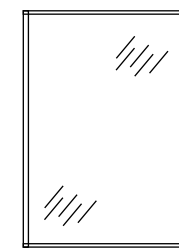
Partition walls

Fabric



Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200
	1.400
	1.600
1.800*	
2.000*	

Clear acrylic  
glass, full-surface



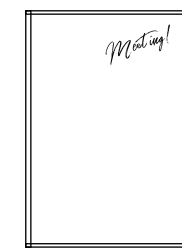
Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200

Clear acrylic glass,  
partial surface from  
H 1100 mm on



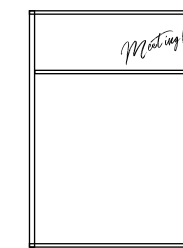
Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200
	1.400
	1.600

Whiteboard,  
full-surface



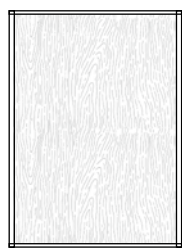
Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200
	1.400
	1.600

Whiteboard, partial  
surface from  
H 1100 mm on



Height	Width
1.400	600
1.600	800
1.800	900
	1.000
	1.200
	1.400
	1.600

Standard décors,  
full-surface

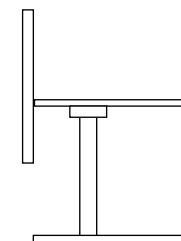


Height	Width
1.200	600
1.400	800
1.600	900
1.800	1.000
	1.200
	1.400

\* For fabric only

Table extensions

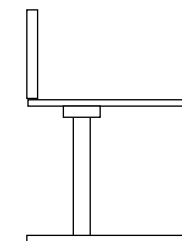
for rear table installation  
(rear) and coupling REISS  
Eco N2 and Avaro



Height	Width
800	800
1.000	1.000
	1.200
	1.400
	1.600
	1.800
	2.000

Table extensions

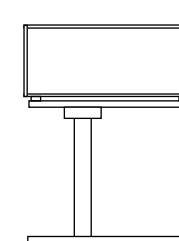
for table installation,  
(rear)



Height	Width
400	800
600	1.000
	1.200
	1.400
	1.600
	1.800
	2.000

Table extensions

for table installation,  
(rear)



Height	Width
400	760
600	860
	960

The REISS Calo 42 acoustic system is also  
available with a double-slot organisation  
rail, usable on both sides.

# Fabric covers

## LUCIA PRICE GROUP 1

			
Adobo LAD	Oyster LOY	Aruba LAU	Sandstorm LSA
			
Slip LSL	Buru LBU	Tequila LTQ	Solano LSO
			
Tortuga LTT	Belize LBZ	Lobster LLO	Calypso LCL
			
Bridgetown LBR	Campeche LCA	Apple LAP	Madura LMD
			
Windjammer LWJ	Montserrat LMO	Paseo LPA	Blizzard LBD
			
Rum LRU	Marianna LMI	Steel LST	Bluebell LBL
			
Martinique LMA	Scuba LSC	Ocean LOC	Costa LCO
			
Sombrero LSB	Tarot LTR	Havana LHA	

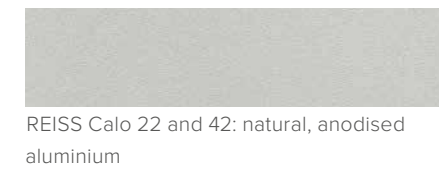
# Fabric covers & colours

## LUCIA CS (B1) PRICE GROUP 2

			
Adobo BLAD	Varadeo BLVA	Aruba BLAU	Palu BLPL
			
Slip BLSL	Blizzard BLBD	Revive BLRV	Bima BLBI
			
Panama BLPN	Negril BLNE	Havana BLHA	Kota BLKO
			
Tenom BLTE	Honduras BLHO	Depok BLDE	Rum BLRU
			
Medan BLME	Roques BLRO	Blanquilla BLBQ	Makili BLMK
			
Costa BLCO			

Fire-proof:  
All materials comply with BS 476 Part 7 Class 1. The materials in price group 2 also meet the B1 classification according to DIN 4102.

## FRAME COLOURS OF THE PRIVACY PROTECTION ELEMENT



## DÉCORS FOR DOUBLE DOORS, SLIDING DOORS AND REAR WALLS\*



All décors and colors can be found in the separate brochure and the corresponding price list.





REISS products are GS-certified. They bear the RAL-UZ 38 environmental quality seal, and meet the "Quality Office" criteria. REISS is certified in accordance with the quality management system (DIN EN ISO 9001), the environmental management system (DIN EN ISO 14001), the product chain certificate PEFC-CoC and EMAS III.

[www.reiss-bueromoebel.de](http://www.reiss-bueromoebel.de)

**REISS Büromöbel GmbH**  
**04924 Bad Liebenwerda**  
**Germany**

Telefon: +49 35341 48-360  
 Telefax: +49 35341 48-368  
 E-Mail: [info@reiss-bueromoebel.de](mailto:info@reiss-bueromoebel.de)

Member of the Industrial Association of  
 Offices and Work Environment (IBA)