



Range of Box Roller Shades

B-Box Duo

Roller shade with cassette

Privacy and darkness in a double shade that combines a decorative fabric with a blackout fabric.

COLORS:

- White RAL 9016
- Black RAL 9011
- Brown RAL 8019
- Anthracite RAL 7016
- Grey RAL 9006
- Light Ivory RAL 1013

Cassette sizes	136mm
Chain indoor use	✓
230 V Motor requires channels outdoors	✓
Self-supporting	✓
U channel	✓
Blackout channel (indoor)	✓
Double drop with 2 operation mechanisms	✓



Privacy and darkness in a single shade

Double shade, combining a decorative fabric with a blackout fabric, on a single support.

A functional and aesthetic solution for maximum comfort indoors.

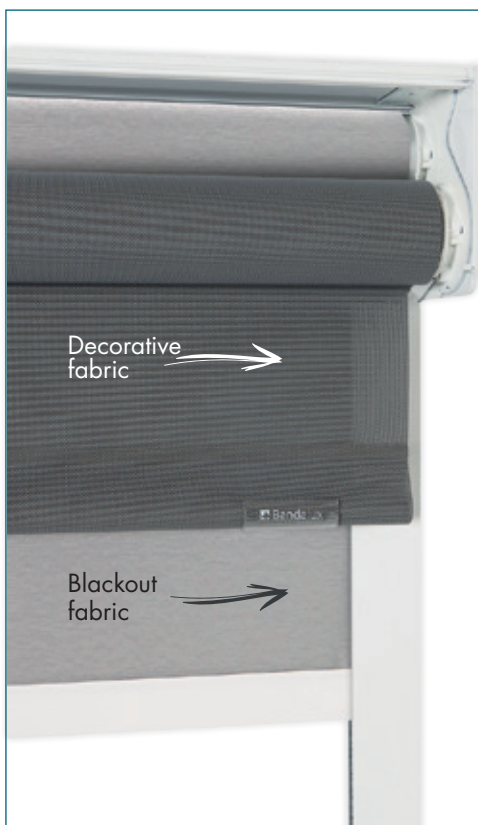
Operation

Independently operable fabrics. Both **chain-operated**, both **motorized**, or a combination of chain and motor.



Self-supporting installation

Thanks to the box with **self-supporting channels**, there is no need for installation brackets.



Optimal sunlight management

The **double fabric** guarantees optimal sunlight management.

Moreover, **the blackout channels** improve the darkness effect of the blackout shade.

Improved chain operating: rugged, smooth and durable

Smooth and silent drive, thanks to the use of materials that allow a high precision geometry. The springs, of German technology and manufacture, calibrated and heat-treated, provide greater resistance to the system. All elements susceptible to wear and tear are made of steel, thus ensuring the durability of the entire mechanism.



Maximum comfort and softness of use

Redux mechanism

The REDUX mechanism has an internal planetary gear system that reduces drive effort by up to 30%.

The planetary system requires a chain displacement higher than the height of the shade, so this system does not have mechanical stops to fix the end of the stroke at the top and at the bottom.

Note: Since the system has no limit switch, users need to be careful when operating the blind to keep the fabric from unrolling/rolling up too far.



Planetary



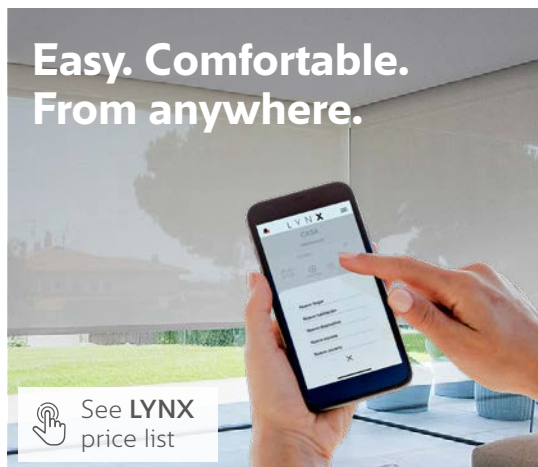
LYNX, smart blinds

Available for
Android and iOS.
Compatible with:



The app that allows you to control all Bandalux window coverings solutions, wherever you are.

**Easy. Comfortable.
From anywhere.**



See **LYNX**
price list

Contactless comfort

Manage your blinds from your Smartphone or via voice control.

Atmospheres personalization

Program and automate as many scenes as you want and confirm the position of your blinds at any time.

Peace of mind

Enable presence simulation scenes when you are away from home.

Efficiency and savings

Take advantage of sunlight cycles, react to the climatic conditions and, as a consequence, save on your electricity bill.

Connected environment

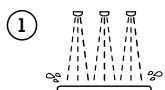
In addition to blinds, LYNX allows you to connect other elements such as music, lamps, fans...

Air purifying shades

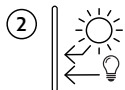
As a result of Bandalux' ongoing technological innovation and its commitment to sustainability, it has launched a new shade able to purify the air in any room.

Application of a nanocoating on the technical fabric

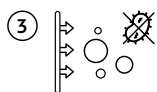
The shade is treated as follows:



A mixture of oxide minerals is applied to the shade's fabric.



This mixture is naturally activated by sunlight or artificial lighting.



When it is activated, any contaminant particles in the air are removed (viruses, bacteria, fungi, contamination, and volatile organic compounds).

Great versatility

- Applicable to all Roller Shades systems, Box range, Fit Box, Skylight and Sliding Panel.
- Available in the Polyscreen® 550 and Mega BO fabrics, in a range of colors.

POLYSCREEN® 550 AIRPURE®



Ash

Pearl

White

White Linen

White Pearl

MEGA BO AIRPURE®

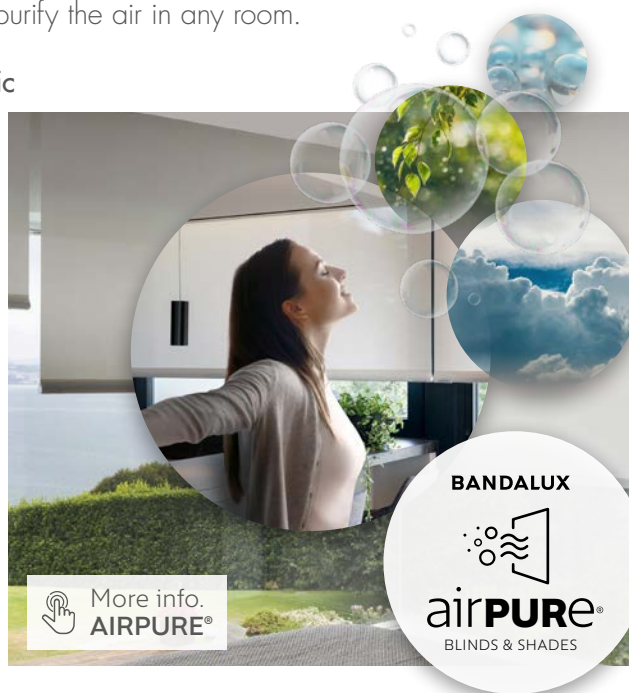


Alabaster

Black

Dark Grey

White



B-BOX DUO

OPTIONS

1 STANDARD CONFIGURATION

CHAIN OPERATED



ASSISTED SPRING



① Included from 1500 mm width.

Ø20MM HIDDEN BOTTOM BAR



① Fabrics incompatible with hidden bottom bar will be served with Slim 35 front bar by default.

CHILD SAFETY (CHILD SAFETY SYSTEM)



① OPTIONAL: Safekids device.

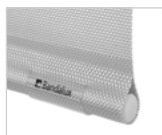
COLORS

	White RAL 9016		Black RAL 9011
	Gray RAL 9006		Brown RAL 8019
	Ivory RAL 1013		Anthracite RAL 7016

① By default, Bandalux will provide the profiles and components in white. If you prefer a different color, please specify it on the order form.

2 OTHER BOTTOM RAILS (no additional charge)

HIDDEN



ø30

IN VIEW



SLIM 35



Mini Plain

① With blackout channel only.

① For further information, please check the technical data on page 89.

3 OPERATING SYSTEM COMBINATIONS

① To calculate the price of the entire B-Box Duo shade, you will have to add up the base rate price of the two selected fabrics. If you wish to purchase the motor operating system, you will have to add in the corresponding additional charges.



CHAIN
CHAIN

① Metallic chain provided by default.



MOTOR
MOTOR



CHAIN (front shade)
MOTOR (BEHIND FABRIC)

① Metallic chain provided by default.

Motor

MOTOR ⁽¹⁾			AUTOMATISMS ⁽²⁾		
			SINGLE-CHANNEL REMOTE CONTROL	MULTI-CHANNEL REMOTE CONTROL	OTHER
Cable	230Vac	Bandalux	M2 50 6/32		
		Somfy®	ARIANE 50 6/32		
			ATLAS 50 15/32		
			MAESTRIA 50 6/17, 10/17		
		Somfy® silent ⁽³⁾	SONESSE 50 6/28, 10/17		
Radio	230Vac	Bandalux	R2 50 6/32, 20/17	ELEGANCE 1 WHITE Ref. 06702000A	ELEGANCE 4 WHITE Ref. 06702100A
		Somfy® RTS	ALTUS 50 RTS 6/32, 15/17		
		Somfy® RTS silent ⁽³⁾	SONESSE 50 RTS 6/28, 10/28	SITUO 1 RTS PURE Ref. 06700970D	SITUO 5 RTS PURE Ref. 06700881D
Radio IO	230Vac	Somfy® IO	SUNEA SCREEN 6/32, 15/32	SITUO 1 IO PURE Ref. 06700620	SITUO 5 IO PURE Ref. 06700625
Battery	12Vdc	Somfy® RTS silent ⁽³⁾	RECHARGEABLE BI 50 13/11	1 CHANNEL TRANSMITTER Ref. 06701100B	15 CHANNEL TRANSMITTER Ref. 06701110B
					CHARGER AC Ref. 06701215 CABLE USB TYPE C Ref. 06701275

① 1. For further information, consult page 89. / 2. Check for other colors and automatized systems in the motorization chapter. / 3. Motor only compatible for indoor installation.

4 SIDE CHANNEL OPTIONS

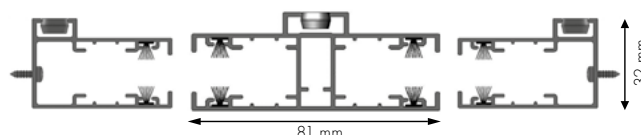
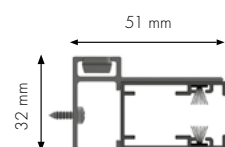
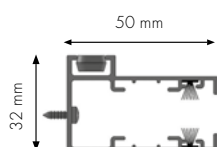
Blackout channel (exclusively for indoor installation with Mini Plain bottom rail)



UO-501

R2 ADJUSTABLE

DOUBLE DROPS IN A SINGLE BOX:
DOUBLE CHANNEL KIT



① Maximum height 3500 mm.

5 ADDITIONAL BRACKETS

REINFORCED
CEILING⁽¹⁾



REINFORCED
WALL⁽¹⁾



CHANNEL SPACER
SUPPORT



① Incompatible with frontally installed aluminium channels.

① 1. Includes fastening bolt. Brackets are visible.

① For further information, consult page 92.

6 BASE PROFILE



① Only compatible with blackout channels.

7 REDUCED EFFORT

Redux System

Planetary gear system that ensures smooth operation, by reducing the weight by 35%.



REDUX I SYSTEM

- ① 1. The Redux system does not include a limit switch.
- ② 2. The movement length of the chain is three times the height of the shade.

Assisted spring

Recommended from 5 m²
Example for a shade measuring 3600x4000 mm:

- Without spring assistance = 4,8 kg
- With spring assistance = 2,2 kg (WITH limit switch)



ASSISTED SPRING

8 OTHER OPTIONS

DOUBLE DROP
AVEC TRANSMISSION



① 1. Maximum width 6000 mm.

DOUBLE DROP WITH
DOUBLE SUPPORT
(4 drops and 4 operating systems)



SAFEEKIDS
(CHILD SAFETY SYSTEM)



PATENTED BY
BANDALUX

Box range shade

TECHNICAL DATA

1 OPERATING SYSTEMS AND MINIMUM SHADE WIDTH

Operating system	Type motor	Volt (V)	Ø mm	Nm	tr/min	Puissance (W)	Ampères (A)	Largeur min. Store (mm)
CHAIN								200 ⁽¹⁾
CRANK								400
MOTOR BANDALUX CABLE	VERONA 40 3/30	230	40	3	30	90	0,39	600
MOTOR BANDALUX RADIO	R2 50 6/32	230	50	6	32	120	0,52	690
	R2 50 20/17	230	50	20	17	160	0,70	690
MOTOR BANDALUX BATTERY SILENT ⁽²⁾	RECHARGEABLE BI 50 13/11	12	50	13	11	40	3,50	960
MOTOR SOMFY® CABLE	ARIANE 50 6/32	230	50	6	32	120	0,52	680
	ATLAS 50 15/32	230	50	15	32	240	1,04	680
	MAESTRIA 50 6/17	230	50	6	17	90	0,45	730
	MAESTRIA 50 10/17	230	50	10	17	120	0,50	780
MOTOR SOMFY® CABLE SILENT ⁽²⁾	SONESSE 50 6/28	230	50	6	28	146	0,63	700
	SONESSE 50 10/28	230	50	10	28	180	0,78	700
MOTOR SOMFY® RTS	ALTUS 50 6/32	230	50	6	32	90	0,39	710
	ALTUS 50 15/17	230	50	15	17	140	0,61	710
MOTOR SOMFY® RTS SILENT ⁽²⁾	SONESSE 50 6/28	230	50	6	28	146	0,63	790
	SONESSE 50 10/28	230	50	10	28	180	0,78	790
MOTOR SOMFY® IO	SUNEA SCREEN 50 6/32	230	50	6	32	120	0,52	800
	SUNEA SCREEN 50 15/32	230	50	15	32	240	1,04	800

❶ 1. For widths between 200 mm and 400 mm, the maximum height is 1500 mm, without side channels. For heights exceeding this measurement, channels are required. / ❷ 2. Motor only compatible for indoor installation. / ❸ 3. Motor only compatible for outdoor installation. / This information is approximate and may vary depending on the fabric.

Box range shade

TECHNICAL DATA

2 CASSETTE SIZES (mm)

B-BOX

	INDOOR POSITION								INSTALLATION IN OPPOSITE DIRECTION					
	SELF-SUPPORTING		INDOOR WALL/ CEILING BRACKET		REINFORCED WALL BRACKET		REINFORCED CEILING BRACKET		REINFORCED WALL BRACKET			REINFORCED CEILING BRACKET		
	A	B	A	B	A	B	A	B	A	B	C**	A	B	C**
Q-55	58	59	64	60	--	--	--	--	--	--	--	--	--	--
B-65	67	69	78	73	76	73	67	73	76	79	41	67	78	32
B-85	86	90	97	92	95	92	86	92	95	100	58	86	99	49
B-100	100	104	111	107	109	107	100	107	109	115	73	100	114	65
B-136	136	136	--	--	147	147	136	147	--	--	--	--	--	--
B-DUO	136	136	--	--	147	147	136	147	--	--	--	--	--	--

*Installation in opposite direction: Not available with chain-operated system. Box CANNOT be opened.

**Worst case (Hidden bottom rail ø30).

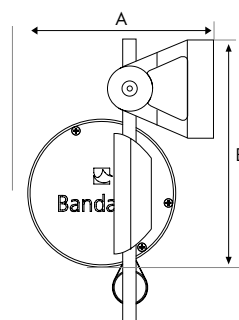
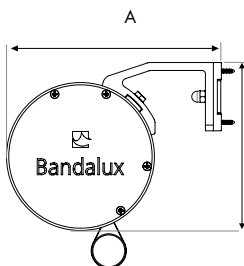
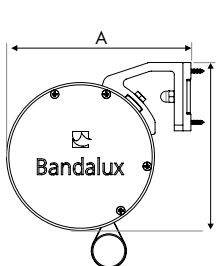
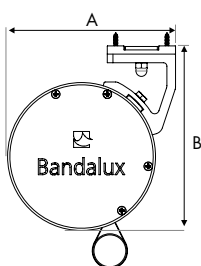
O-BOX

CEILING BRACKET

SHORT WALL BRACKET

LONG WALL BRACKET

FASTENING SYSTEM FOR
ADJUSTABLE ROD



	A	B	A	B	A	B	A	B
O-BOX 95	112	127	127	110	164	110	--	--
O-BOX 130	148	162	162	147	189	147	163	199

3 NUMBER OF BRACKETS, ACCORDING TO SHADE WIDTH

Shade width Q-BOX	Shade width B-BOX	N° of brackets
$W \leq 1470$ mm	$W \leq 1500$ mm	2
$1470 \text{ mm} < W \leq 1950$ mm	$1500 \text{ mm} < W \leq 2500$ mm	3
$1950 \text{ mm} < W \leq 2200$ mm	$2500 \text{ mm} < W \leq 3500$ mm	4
--	$3500 \text{ mm} < W \leq 4500$ mm	5
--	$4500 \text{ mm} < W$	6

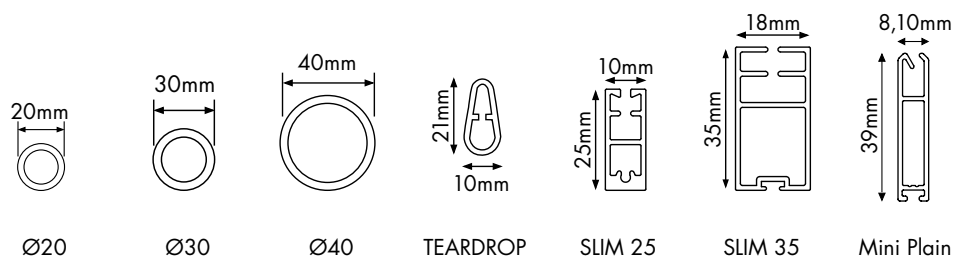
* O-BOX only requires 2 brackets per shade.

Box range shade

TECHNICAL DATA



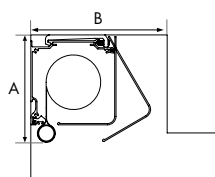
4 BOTTOM RAILS



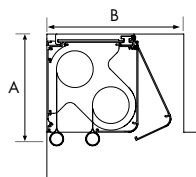
	Ø20	Ø30	Ø40	TEARDROP	SLIM 25	SLIM 35	Mini Plain
B-BOX							
WITHOUT SIDE CHANNEL	✓	✓	✗	✓	✓	✓	✗
CABLE GUIDE	✓	✓	✗	✓	✓	✓	✗
'U' CHANNEL ALUM.	✓	✓	✗	✗	✗	✓	✗
BLACKOUT CHANNEL	✗	✗	✗	✗	✗	✗	✓
O-BOX							
WITHOUT SIDE CHANNEL	✗	✓	✓	✗	✗	✓	✗
CABLE GUIDE	✗	✓	✓	✗	✗	✓	✗
ROD GUIDE 10 mm	✗	✓	✓	✗	✗	✗	✗
ROD GUIDE 12 mm	✗	✗	✓	✗	✗	✗	✗
'U' CHANNEL ALUM.	✗	✓	✓	✗	✗	✓	✗
LIMIT	--	--	--	2500 mm	2500 mm	--	--

5 INSTALLATION ON CURTAIN ROD AND STACKING HEIGHT (mm)

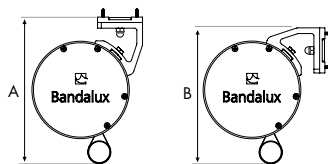
B-BOX



B-BOX DUO



O-BOX



mm	Ø20		Ø30		Ø40		TEARDROP		SLIM 25		SLIM 35		MINI PLAIN		Channel fastening Adjustable rod Ø12mm
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	
Q-BOX 55	80	100	--	--	--	--	81	100	85	100	96	100	98	80	--
B-BOX 65*	93	120	103	120	--	--	94	120	98	120	109	120	110	110	--
B-BOX 85*	112	140	122	140	--	--	--	--	117	140	128	140	130	130	--
B-BOX 100*	127	160	137	160	--	--	--	--	--	--	143	160	145	150	--
B-BOX 136* B-BOX DUO	167	205	177	205	--	--	--	--	--	--	183	205	177	195	--
O-BOX 95*	--	--	163	149	173	159	--	--	--	--	173	159	--	--	--
O-BOX 130*	--	--	196	181	206	191	--	--	--	--	206	191	--	--	243

① Information for reinforced ceiling bracket.

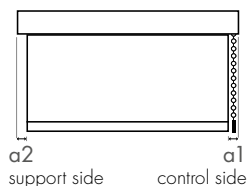
Box range shade

TECHNICAL DATA



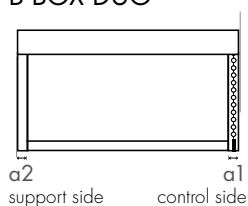
6 WIDTH OF SPACE BETWEEN THE BRACKET AND THE FABRIC (GAP)

B-BOX



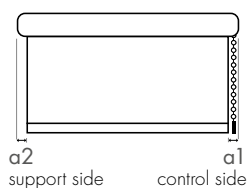
		WITHOUT SIDE CHANNEL	CABLE GUIDE	ALUMINUM CHANNEL U-SMALL	ALUMINUM CHANNEL U-LONG
CHAIN	a1	19mm ⁽¹⁾	20mm	24mm ⁽⁶⁾	29mm ⁽⁶⁾
	a2	19mm ⁽²⁾	20mm ⁽⁵⁾	24mm ⁽⁶⁾	29mm ⁽⁶⁾
CRANK	a1	31mm ⁽³⁾	31mm ⁽³⁾	31mm ⁽³⁾	31mm
	a2	19mm	20mm ^(4/5)	24mm ^(4/5)	29mm ⁽⁶⁾
MOTOR Ø25	a1	19mm	--	--	--
	a2	19mm ⁽²⁾	--	--	--
MOTOR Ø40	a1	21mm	21mm	24mm ⁽⁶⁾	29mm ⁽⁶⁾
	a2	19mm	20mm ⁽⁵⁾	24mm ⁽⁶⁾	29mm ⁽⁶⁾
MOTOR Ø50	a1	24mm	24mm	24mm	29mm ⁽⁶⁾
	a2	19mm	20mm ⁽⁵⁾	24mm ⁽⁶⁾	29mm ⁽⁶⁾

B-BOX DUO



		WITHOUT SIDE CHANNEL	BLACKOUT CHANNEL
CHAIN	a1	22mm	23mm ⁽⁶⁾
	a2	19mm	23mm ⁽⁶⁾
MOTOR Ø50	a1	24mm	24mm ⁽⁶⁾
	a2	19mm	23mm ⁽⁶⁾

O-BOX



		WITHOUT SIDE CHANNEL	CABLE GUIDE	GUIDAGE ALUMINIUM U-LONG	ROD GUIDE	ROD FASTENER	ROD-GUIDE FASTENER
CHAIN	a1	31mm	38mm	39mm	38mm	--	--
	a2	24mm	38mm	39mm	38mm	--	--
CRANK	a1	32mm	38mm	39mm	38mm	67mm	75mm
	a2	24mm	38mm	39mm	38mm	59mm	75mm
MOTOR Ø40	a1	36mm	38mm	39mm	38mm	71mm	75mm
	a2	24mm	38mm	39mm	38mm	59mm	75mm
MOTOR Ø50	a1	42mm	42mm	42mm	42mm	75mm	75mm
	a2	24mm	38mm	39mm	38mm	59mm	75mm

1. Q-BOX 55 = 20mm. / 2. B-BOX 65 = 27mm. / 3. B-BOX 65 = 29mm. / 4. B-BOX 65 = 28mm. / 5. Information for Slim 35 bottom rail. For the hidden bottom rail, subtract 2mm.

Box range shade

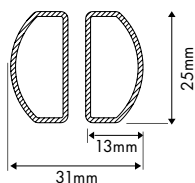
TECHNICAL DATA



7 WIND PROFILES AND SPACER BRACKETS

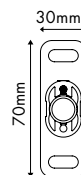
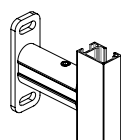
WIND PROFILE SIZES

The wind profile option includes 2 profiles for shade heights under 2m, and 4 profiles for shade heights of 2m and higher. Half of the profiles will be installed on each side of the shade.



- ❶ Only compatible with U-402 and U-302.
- ❷ Maximum width 2500 mm.
- ❸ Not compatible with chain-operated system.

SPACER BRACKET



Height of shade H	N. of brackets per channel
$H \leq 1500$ mm	2
$1500 \text{ mm} < H \leq 2500$ mm	3
$2500 \text{ mm} < H \leq 3000$ mm	4
$3000 \text{ mm} < H \leq 4000$ mm	5

8 OPERATING SYSTEMS

CHAIN

CHAIN-OPERATED SYSTEM WITH CHILD SAFETY

The **Child Safety piece** must be positioned at a minimum height of 1.5m from the ground. To calculate the height of the controls, please see page 109.

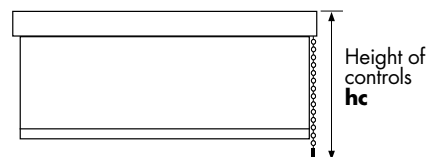
CHAIN-OPERATED SYSTEM WITHOUT CHILD SAFETY

In case the Child Safety feature is declined, the height of the controls will be:

FOR Q-BOX 55, B-BOX 65, B-BOX 85, B-BOX 100, B-BOX DUO and O-BOX 95

Minimum calculation for h_c : $H \times 0,70$ FOR B-BOX 136

Minimum calculation for h_c : $H \times 0,90$

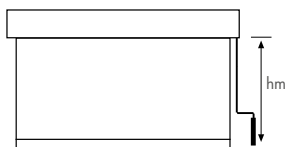


Example of calculation		
Height of shade H	Height of controls h_c (minimum)	
	Q-55, B-65, B-85, B-100, B-DUO O-95	B-136
1000 mm	700 mm	900 mm
2000 mm	1400 mm	1800 mm
4000 mm	2800 mm	3600 mm

- ❶ The height of the controls will always be measured from the uppermost section of the shade (upper end of the support), to the lower part of the chain tensioner.
- ❷ By default, Bandalux will provide the B-Box Duo with a metallic chain. If you prefer the plastic chain, please indicate so on the order form.

CRANK

HEIGHT OF CONTROLS



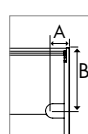
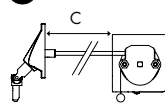
- ❶ In the single crank control, the height of the control is interpreted with the crank in the operative position. To find out the measurement with the crank extended, add 140 mm.

Recommended crank heights h_c

1000 mm	2200 mm
1200 mm	2400 mm
1400 mm	2600 mm
1600 mm	2800 mm
1800 mm	3000 mm
2000 mm	

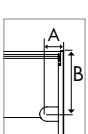
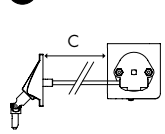
VARIATIONS OF CRANK RETURN

I.1 90 ° UPPER



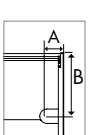
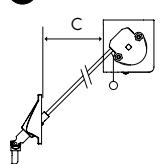
mm	Q-55	B-65	B-85	B-100	B-136	O-95	O-130
A	X	13	16	16	16	18,5	18,5
B	X	22	30	37	51	30	48
Cmax	X	265	260	250	230	196	178

I.2 90 ° LOWER



mm	Q-55	B-65	B-85	B-100	B-136	O-95	O-130
A	12	13	16	16	16	18,5	18,5
B	44	49	64	71	85	65	82
Cmax	270	265	260	250	230	196	178

I.3 45°



mm	Q-55	B-65	B-85	B-100	B-136	O-95	O-130
A	X	X	16	16	16	18,5	18,5
B	X	X	64	76	111	67	97
Cmax	X	X	180	170	150	115	100



9 DOUBLE DROP B-BOX

B-BOX

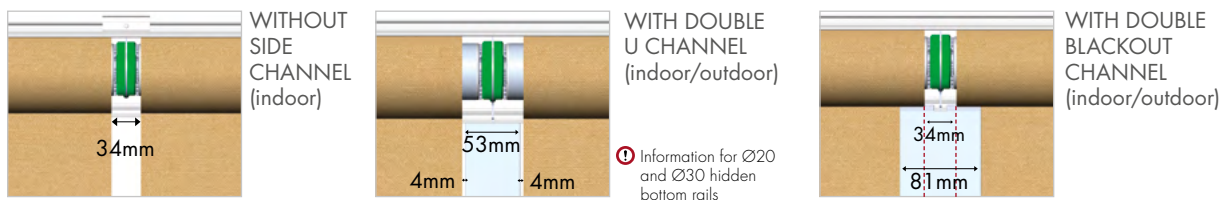
DOUBLE DROP WITH ONE OPERATING SYSTEM (a single tube)

This may include a midway support that will allow for widths that exceed the maximum of a given shade, with a limit of 6 m.



❗ For the chain-operated system, the maximum width for the double drop system cannot exceed the maximum width of a single shade. / Not available for Solar Motor Kit

DOUBLE DROP WITH Two operating systems SYSTEMS (double support)

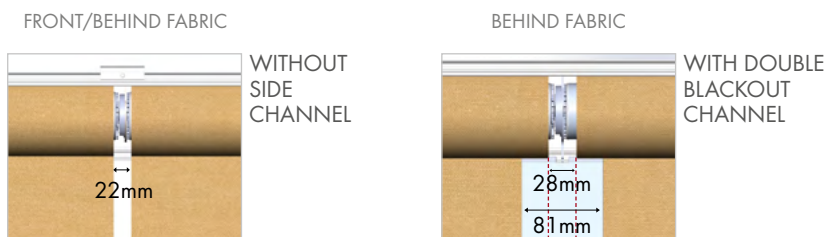


❗ Not available for Solar Motor Kit

B-BOX DUO

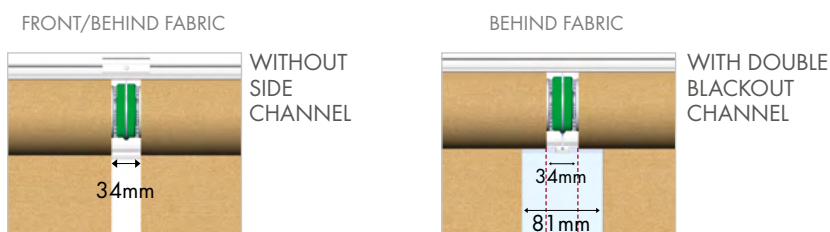
DOUBLE DROP WITH ONE OPERATING MECHANISM (a single tube)

This may include a midway support that will allow for widths that exceed the maximum of a given shade, with a limit of 6 m.



- ❗ 1. For chain operation, the maximum width of the blind with DOUBLE DROP shall be equal to the maximum width of a blind with single drop.
- ❗ 2. The front blind shall have a minimum separation of 22 mm.

DOUBLE DROP WITH 2 OPERATION MECHANISMS (double support)



❗ The front shade should have a minimum separation of 34 mm.

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