



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.



## Optimal sunlight management

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

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



## Self-supporting installation

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

## 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%.

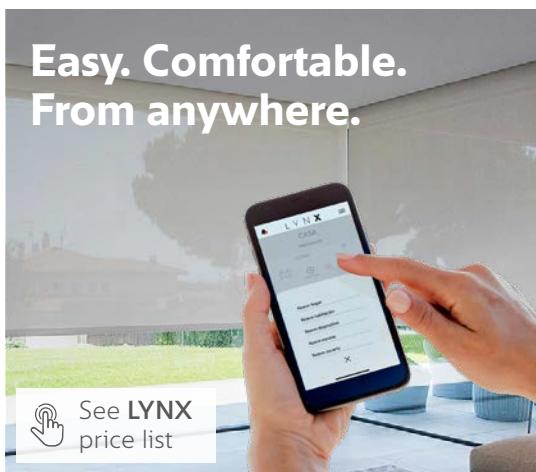
The planetary system requires a chain displacement higher than the height of the shade, so this system does not have mechanical stops to fix the end of the stroke at the top and at the bottom.

**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.



# LYNX, smart blinds

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



Available for  
Android and iOS.  
Compatible with:



**Easy. Comfortable.  
From anywhere.**

**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**

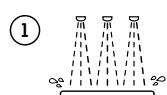
In addition to blinds, LYNX allows you to connect other elements such as music, lamps, fans...

## Air purifying shades

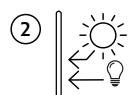
As a result of Bandalux' ongoing technological innovation and its commitment to sustainability, it has launched a new shade able to purify the air in any room.

### Application of a nanocoating on the technical fabric

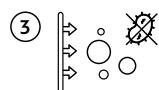
The shade is treated as follows:



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



 More info.  
**airPURE®**

**BANDALUX**

  
**airPURE®**  
BLINDS & SHADES

# B-BOX DUO

## OPTIONS

### 1 STANDARD CONFIGURATION

#### CHAIN OPERATED



#### ASSISTED SPRING



#### Ø20MM HIDDEN BOTTOM BAR



#### CHILD SAFETY

(CHILD SAFETY SYSTEM)



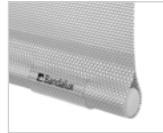
#### COLORS

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

#### 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 <sup>(1)</sup>			AUTOMATISMS <sup>(2)</sup>		
			SINGLE-CHANNEL REMOTE CONTROL	MULTI-CHANNEL REMOTE CONTROL	OTHER
Cable 230Vac	Bandalux	M2 50 6/32	--	--	SOMFY SMOOVE UNO Ref. 06700610B
	Somfy®	ARIANE 50 6/32			
	Somfy®	ATLAS 50 15/32			
	Somfy® silent <sup>(3)</sup>	MAESTRIA 50 6/17, 10/17			
	Somfy® silent <sup>(3)</sup>	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	SITUO 1 RTS PURE Ref. 06700970D	SITUO 5 RTS PURE Ref. 06700881D	--
	Somfy® RTS silent <sup>(3)</sup>	SONESSE 50 RTS 6/28, 10/28			
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 <sup>(3)</sup>	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

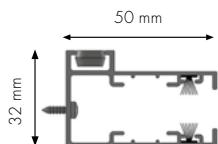
① 1. For further information, consult page 89. / 2. Check for other colors and automated systems in the motorization chapter. / 3. Motor only compatible for indoor installation.

## 4 SIDE CHANNEL OPTIONS

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

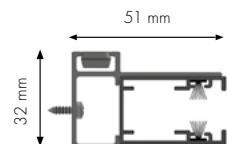


UO-501

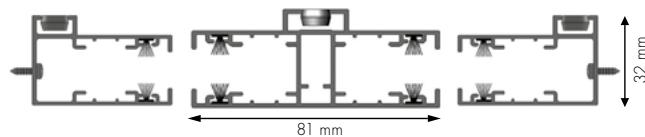


**!** Maximum height 3500 mm.

R2 ADJUSTABLE



DOUBLE DROPS IN A SINGLE BOX:  
DOUBLE CHANNEL KIT



## 5 ADDITIONAL BRACKETS

REINFORCED  
CEILING<sup>(1)</sup>



REINFORCED  
WALL<sup>(1)</sup>



CHANNEL SPACER  
SUPPORT



**!** Incompatible with frontally installed aluminium channels.

**①** 1. Includes fastening bolt. Brackets are visible.

## 6 BASE PROFILE



**!** 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. The Redux system does not include a limit switch.

**2.** The movement length of the chain is three times the height of the shade.

### Assisted spring

Recommended from 5 m<sup>2</sup>

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)



SAFEKIDS  
(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 <sup>(1)</sup>
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 <sup>(2)</sup>	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 <sup>(2)</sup>	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 <sup>(2)</sup>	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

**① 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. / **2.** Motor only compatible for indoor installation. / **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

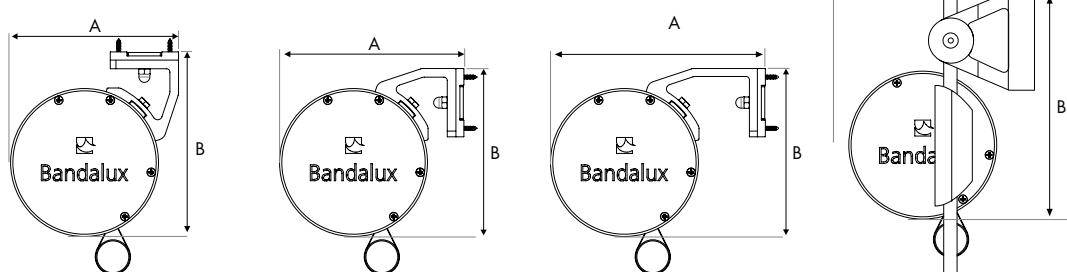
INDOOR POSITION				INSTALLATION IN OPPOSITE DIRECTION			
SELF-SUPPORTING	INDOOR WALL/CEILING BRACKET	REINFORCED WALL BRACKET	REINFORCED CEILING BRACKET	REINFORCED WALL BRACKET	REINFORCED CEILING BRACKET		
A	B	A	B	A	B	A	B
Q-55	58	59	64	60	--	--	--
B-65	67	69	78	73	76	73	76
B-85	86	90	97	92	95	92	95
B-100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

① \*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	Nº of brackets
W ≤ 1470 mm	W ≤ 1500 mm	2
1470 mm < W ≤ 1950 mm	1500 mm < W ≤ 2500 mm	3
1950 mm < W ≤ 2200 mm	2500 mm < W ≤ 3500 mm	4
--	3500 mm < W ≤ 4500 mm	5
--	4500 mm < W	6

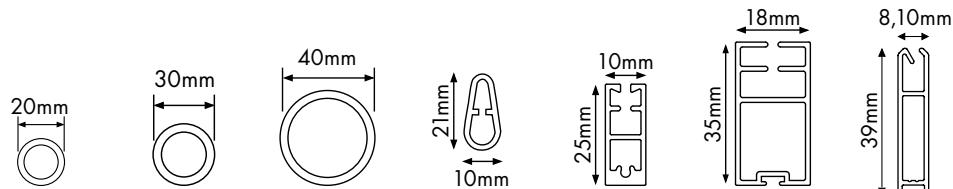
① O-BOX only requires 2 brackets per shade.

# Box range shade

## TECHNICAL DATA

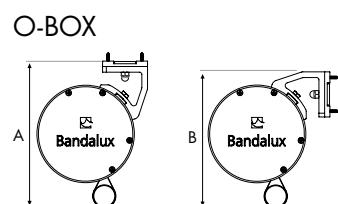
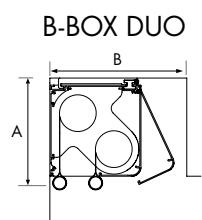
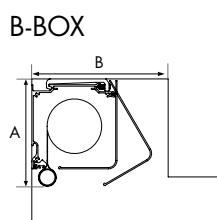


### 4 BOTTOM RAILS



B-BOX							
WITHOUT SIDE CHANNEL	✓	✓	X	✓	✓	✓	X
CABLE GUIDE	✓	✓	X	✓	✓	✓	X
'U' CHANNEL ALUM.	✓	✓	X	X	X	✓	X
BLACKOUT CHANNEL	X	X	X	X	X	X	✓
O-BOX							
WITHOUT SIDE CHANNEL	X	✓	✓	X	X	✓	X
CABLE GUIDE	X	✓	✓	X	X	✓	X
ROD GUIDE 10 mm	X	✓	✓	X	X	X	X
ROD GUIDE 12 mm	X	X	✓	X	X	X	X
'U' CHANNEL ALUM.	X	✓	✓	X	X	✓	X
LIMIT	--	--	--	2500 mm	2500 mm	--	--

### 5 INSTALLATION ON CURTAIN ROD AND STACKING HEIGHT (mm)



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	
<b>Q-BOX 55</b>	80	100	--	--	--	--	81	100	85	100	96	100	98	80	--
<b>B-BOX 65*</b>	93	120	103	120	--	--	94	120	98	120	109	120	110	110	--
<b>B-BOX 85*</b>	112	140	122	140	--	--	--	--	117	140	128	140	130	130	--
<b>B-BOX 100*</b>	127	160	137	160	--	--	--	--	--	--	143	160	145	150	--
<b>B-BOX 136* B-BOX DUO</b>	167	205	177	205	--	--	--	--	--	--	183	205	177	195	--
<b>O-BOX 95*</b>	--	--	163	149	173	159	--	--	--	--	173	159	--	--	--
<b>O-BOX 130*</b>	--	--	196	181	206	191	--	--	--	--	206	191	--	--	243

! 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 <sup>(1)</sup>	20mm	24mm <sup>(6)</sup>	29mm <sup>(6)</sup>
	a2	19mm <sup>(2)</sup>	20mm <sup>(5)</sup>	24mm <sup>(6)</sup>	29mm <sup>(6)</sup>
CRANK	a1	31mm <sup>(3)</sup>	31mm <sup>(3)</sup>	31mm <sup>(3)</sup>	31mm
	a2	19mm	20mm <sup>(4/5)</sup>	24mm <sup>(4/5)</sup>	29mm <sup>(6)</sup>
MOTOR Ø25	a1	19mm	--	--	--
	a2	19mm <sup>(2)</sup>	--	--	--
MOTOR Ø40	a1	21mm	21mm	24mm <sup>(6)</sup>	29mm <sup>(6)</sup>
	a2	19mm	20mm <sup>(5)</sup>	24mm <sup>(6)</sup>	29mm <sup>(6)</sup>
MOTOR Ø50	a1	24mm	24mm	24mm	29mm <sup>(6)</sup>
	a2	19mm	20mm <sup>(5)</sup>	24mm <sup>(6)</sup>	29mm <sup>(6)</sup>

### B-BOX DUO



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

### 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

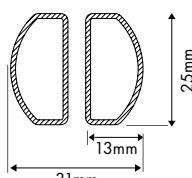
## TECHNICAL DATA



### 7 WIND PROFILES AND SPACER BRACKETS

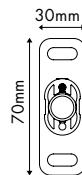
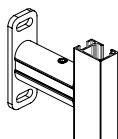
#### WIND PROFILE SIZES

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.



- ① 1. Only compatible with U-402 and U-302.
- 2. Maximum width 2500 mm.
- 3. Not compatible with chain-operated system.

SPACER  
BRACKET



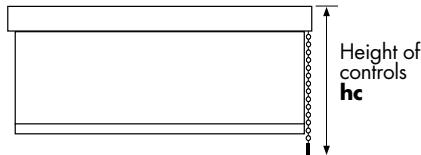
Height of shade H	N. of brackets per channel
$H \leq 1500 \text{ mm}$	2
$1500 \text{ mm} < H \leq 2500 \text{ mm}$	3
$2500 \text{ mm} < H \leq 3000 \text{ mm}$	4
$3000 \text{ mm} < H \leq 4000 \text{ mm}$	5

### 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 hc: **H x 0,70** FOR B-BOX 136

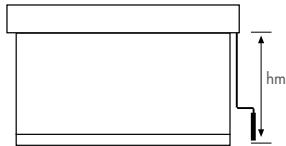
Minimum calculation for hc: **H x 0,90**

Example of calculation		
Height of shade H	Height of controls hc (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

- ① 1. 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.
- 2. 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



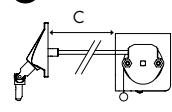
- ① In the single crank control, the height of the control is interpreted with the crank in the operative position. To find out the measurement with the crank extended, add 140 mm.

##### Recommended crank heights hc

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

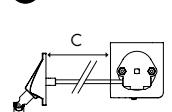
##### VARIATIONS OF CRANK RETURN

###### ① 90 ° UPPER



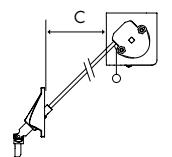
mm	Q-55	B-65	B-85	B-100	B-136	O-95	O-130
A	X	13	16	16	16	18,5	18,5
B	X	22	30	37	51	30	48
C <sub>max</sub>	X	265	260	250	230	196	178

###### 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
C <sub>max</sub>	270	265	260	250	230	196	178

###### 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
C <sub>max</sub>	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.



① 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)



① 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 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)



① The front shade should have a minimum separation of 34 mm.

[contract.bandalux.com](http://contract.bandalux.com)

[bandalux.com](http://bandalux.com)