



Range of Box Roller Shades

B-Box

Roller shade with cassette

Subdued box with refined lines that fits in perfectly with the contemporary style.

COLORS:

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

NEW

	65	85	100	136
Chain indoor use	✓	✓	✓	✓
Crank requires channels outdoors	✓	✓	✓	✓
24 V Motor requires channels outdoors	✓	✗	✗	✗
230 V Motor requires channels outdoors	✓	✓	✓	✓
12 V Solar Motor Kit Outdoor use, requires channels	✗	✗	✗	✓
Self-supporting	✓	✓	✓	✓
Cable guide	✓	✓	✓	✓
Rod guide	✗	✗	✗	✗
U channel	✓	✓	✓	✓
Blackout channel (indoor)	✓	✓	✓	✓
Double drop with 1 operation mechanism	✓	✓	✓	✓
Double drop with 2 operation mechanisms	✓	✓	✓	✓
Wind profiles	✓	✓	✓	✓

CONTEMPORARY DESIGN

B-Box



Different cassette sizes

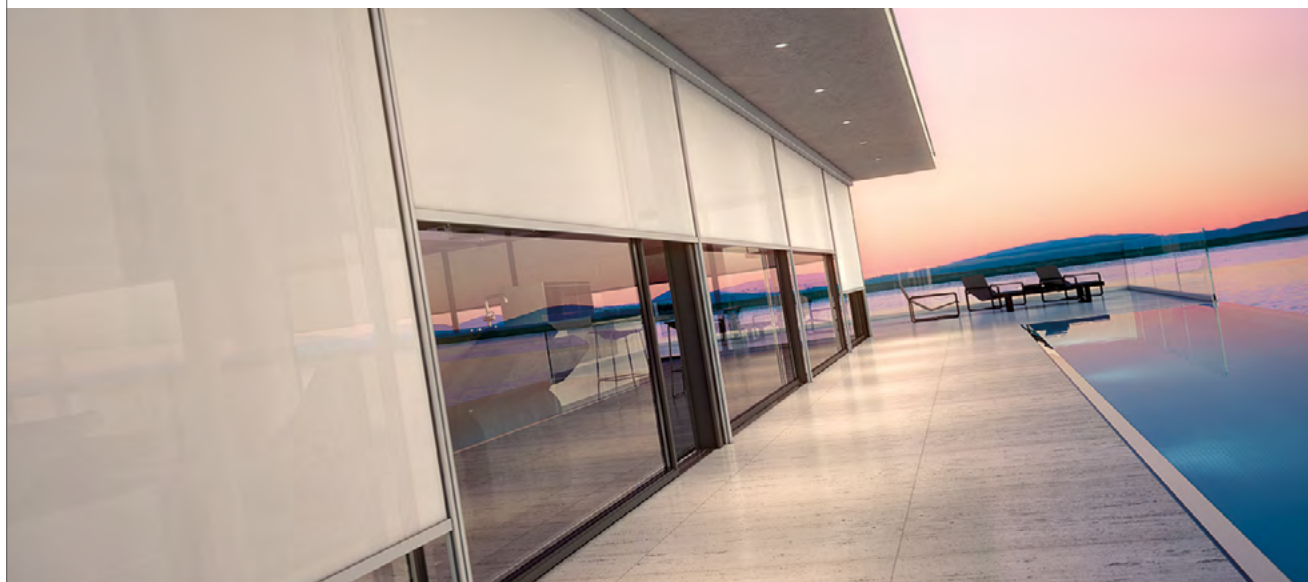
The box is available in many different measurements, to house any fabric size, reaching a height of up to 7 meters.

Elegance and sophisticated simplicity

The B-Box roller shade presents a cassette with refined lines that fits in perfectly with the contemporary style.

The perfect finishes with high-quality materials make this shade particularly elegant, while the front cover of the box hides the supports, making this the ideal solution for both indoor and outdoor installations.

Chain, motor, and crank-operation.



PERFECT INSTALLATION

Wide range of fabrics

All sorts of technical and decorative fabrics available. Different textures and degrees of transparency make for the most widely assorted range on the market.



Minimal GAP

The space between the box and the fabric is reduced to 10mm, to minimize the entrance of light.



Opening box

The interior of the cassette can be accessed, making it very convenient; easy maintenance, with no need to take down the shade.



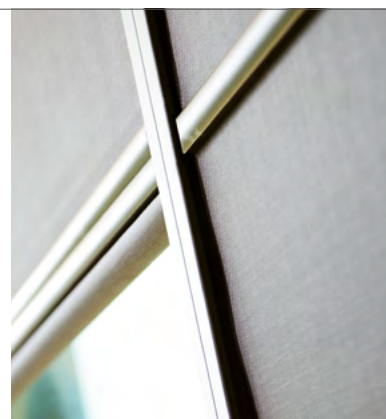
Ceiling or wall installation

Easy to install, thanks to the clip system for indoor installations. Extra durable support available for outdoor installations and large sizes.



Maximum stability

Optional midway profiles that ensure the fabric's stability in the face of wind.



Channels adapted to each individual need

A wide variety of cable guides and aluminum channels, designed for any type of installation, to reduce gaps to the bare minimum.

SELF-
SUPPORTING
SYSTEM

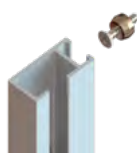
FOR CHAIN-OPERATED SYSTEMS



U-201
SMALL



U-301
COMPACT



U-401
SMALL CLIP

FOR CRANK- OR
MOTOR- OPERATED SYSTEMS



U-302
COMPACT
LONG



U-402
LONG CLIP

FOR PRIVACY



UO-501
LONG CLIP



ADJUSTABLE R2



CONTEMPORARY DESIGN

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



Child Safety

Bandalux prioritizes security and therefore supplies by default a child safety system that holds the cord or chain tight to the wall to prevent children from getting entangled in it.



Child Safety
Standard security device in the market that is served by default.



SafeKids, patented by Bandalux
Highly efficient security device that ensures the attachment of the cord or the chain to the wall. The shade can only be operated if the device is installed.

PERFECT INSTALLATION

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

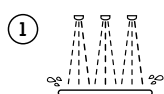
In addition to blinds, LYNX allows you to connect other elements such as music, lamps, fans...

Air purifying shades

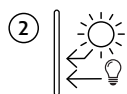
As a result of Bandalux' ongoing technological innovation and its commitment to sustainability, it has launched a new shade able to purify the air in any room.

Application of a nanocoating on the technical fabric

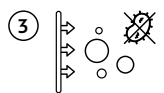
The shade is treated as follows:



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®

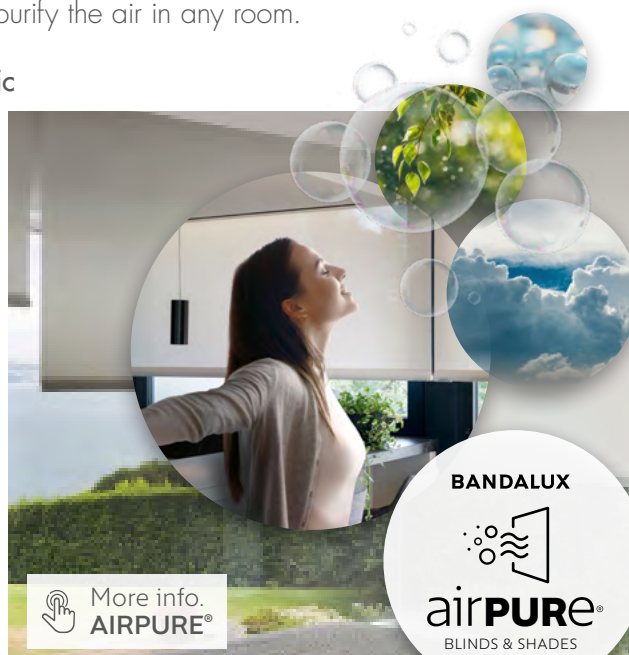


Alabaster

Black

Dark Grey

White



More info.
AIRPURE®

BANDALUX



airPURE®
BLINDS & SHADES

SOLAR PANEL SOLUTION

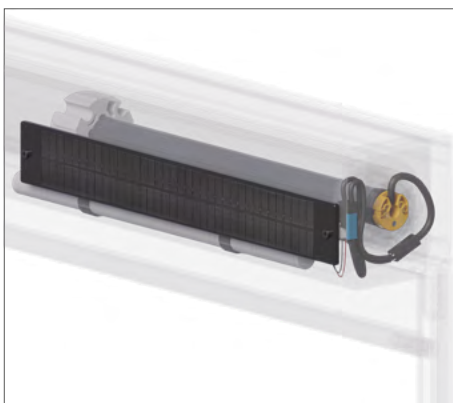


100%
AUTONOMOUS

100%
**SOLAR
ENERGY**

NO
**ELECTRICAL
INSTALLATION**

Solar motor kit available for B-Box 136, outdoor installation.



Autonomous motorized blind

No electrical installation required.

It includes a solar panel, a battery and a motor that runs on renewable solar energy.

The motor works with Somfy RTS technology, controlled by a remote control.

Bandalux will deliver the blind with a fully charged battery.



Accessible box

The rechargeable battery is located inside the box for easy access during replacement and maintenance.



Outdoor installation

Avoid shaded façades that prevent the solar panel from optimal battery charging. The photovoltaic cells must always be clear without anything blocking them.



Optimal cable retraction

The box is equipped with a cable retracting support developed specially by Bandalux to position and arrange connected cables.



New motorized option with external solar panel



The Bandalux Solar Station Kit offers a motorized, sustainable and self-sufficient B-box solution powered by sunlight; no electrical installation required.

The kit includes a solar panel, a rechargeable battery and a motor, making it an eco-friendly and efficient choice that eliminates the need for electrical wiring.

To maximize sunlight capture, the solar panel and battery should be installed outdoors (e.g., on a façade or roof). The motor is built into the blind's tube or rod and connected to the solar panel with wiring.⁽¹⁾

 (1) Includes a 50 cm cable. Compatible with an optional 3 m extension cable..

B-BOX OPTIONS

STANDARD CONFIGURATION

CHAIN OPERATED



Ø20MM HIDDEN BOTTOM BAR



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

CHILD SAFETY (CHILD SAFETY SYSTEM)



ⓘ OPTIONAL:
Safekids device.

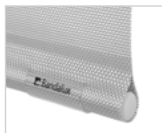
COLORS

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

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

OTHER BOTTOM RAILS (no additional charge)

HIDDEN Ø30



TEARDROP



ⓘ Free drop only.
Max. width 2500 mm.

ⓘ For further information, please check the technical data on page 10.

IN VIEW SLIM 25



ⓘ Free drop only. Max. width 2500 mm. / Mandatory guide for operating system crank and chain with Redux.



SLIM 35



Mini Plain



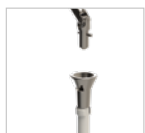
ⓘ With blackout channel only.

OPERATING SYSTEMS

Crank (With aluminum channels or reinforced brackets only)

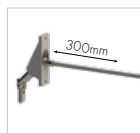


FIXED



REMOVABLE

+



WITH CRANK RETURN

DOUBLE DROP



DOUBLE DROP WITH TRANSMISSION



DOUBLE DROP 2 operations

1. Maximum width 6000 mm.
2. For further information, please check the technical data on page 93.
3. Not available for Solar Motor Kit

BASE PROFILE



ⓘ With 'R2' channel only.

COLLECTION AIRPURE®



Airpure® Shades:

- Collection Polyscreen® 550 Airpure® in the following colors: Ash, Pearl, White, White Linen and White Pearl.
- Collection Mega BO Airpure® in the following colors: Alabaster, Black, Dark Grey and White.

ADDITIONAL BRACKETS B-BOX

ADDITIONAL BRACKETS B-BOX 65

INDOOR WALL / C EILING INSTALLATION	REINFORCED CEILING	REINFORCED WALL*	CHANNEL SPACER BRACKET
❗ *Incompatible with frontally installed aluminium channels.			

ADDITIONAL BRACKETS B-BOX 85

INDOOR WALL / C EILING INSTALLATION	REINFORCED CEILING	REINFORCED WALL*	CHANNEL SPACER BRACKET
❗ *Incompatible with frontally installed aluminium channels.			

ADDITIONAL BRACKETS B-BOX 100

INDOOR WALL / C EILING INSTALLATION	REINFORCED CEILING	REINFORCED WALL*	CHANNEL SPACER BRACKET
❗ *Incompatible with frontally installed aluminium channels.			

ADDITIONAL REINFORCED BRACKETS B-BOX 136

CEILING INSTALLATION*	WALL INSTALLATION*	CHANNEL SPACER BRACKET
❗ Incompatible with frontally installed aluminum channels.		
1. * Includes fastening bolt. 2. Brackets are visible.		

SIDE CHANNEL OPTIONS

CABLE GUIDE

Cable guide B-BOX 65 / 85 / 100 (indoor/outdoor)		Cable guide B-BOX 136 (indoor/outdoor)	
CABLE GUIDE ø3,2mm	CABLE GUIDE ø3,5mm	CABLE GUIDE ø5mm INOX	
❗ Only B-BOX 65			
Ceiling /Floor TS Ceiling /Wall TP Wall /Floor PS Wall /Wall PP		Ceiling /Floor TS Ceiling /Wall TP Wall /Floor PS Wall /Wall PP	

"U" CHANNEL

U-Channel (indoor/outdoor)					
FOR CHAIN-OPERATED SYSTEM:			FOR CRANK OR MOTOR:		
U-201 SMALL	U-301 COMPACT	U-401* SMALL CLIP	U-302 COMPACT LONG	U-402* LONG CLIP	U-402* LONG
❗ *Indoor installation			❗ *Indoor installation		
			❗ *Only with channel spacer support.		
DOUBLE DROPS IN A SINGLE BOX: DOUBLE CHANNEL KIT U-401 KITc hain U-402 KITc rank arm otor 					

BLACK OUT CHANNEL

Blackout channel (exclusively for indoor installation with Mini Plain bottom rail)		
UO-501	ADJUSTABLE R2	DOUBLE DROPS IN A SINGLE BOX
DOUBLE CHANNEL KIT UO CHANNEL KIT R2 CHANNEL KIT		
❗ Available base profile		

B-BOX

OPTIONS

REDUCED EFFORT

Redux Mechanism

Planetary gear system that ensures smooth operation, by reducing the weight by 30%.



REDUX
MECHANISM

- ❗ 1. The Redux mechanism 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 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

OTHER OPTIONS



SAFEKIDS
(CHILD SAFETY SYSTEM)

PATENTED BY
BANDALUX



METALLIC CHAIN

- ❗ Chain tensioner not included.



TRANSPARENT
CHAIN



WIND
PROFILES

- ❗ 1. Only compatible with U-402 and U-302.
- ❗ 2. Maximum width 2500 mm.
- ❗ 3. For further information, consult page 92.



PERSONALIZATION
**Check 'Digital
Printing' rate**

- ❗ 1. Only available for indoor installation. / 2. Not available for Solar Kit Motor option.

OPERATING SYSTEMS AND MINIMUM SHADE WIDTH

Manœuvre	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	620
	M2 50 6/32	230	50	6	32	120	0,52	670
	M2 50 20/17	230	50	20	17	160	0,70	710
MOTOR BANDALUX RADIO	BI 25 1,1/40 ⁽²⁾	24	25	1,1	40	11	0,46	640
	R2 40 3/30	230	40	3	30	90	0,39	640
	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 RADIO SILENT ⁽²⁾	BI 28 2/28	24	28	2	28	18	0,75	790
MOTOR BANDALUX BATTERY ⁽²⁾	RECHARGEABLE BI 25 1,1/28	12	25	1,1	28	8	0,94	640
	RECHARGEABLE BI 40 6/24	12	40	6	24	38	3,23	800
MOTOR BANDALUX BATTERY SILENT ⁽²⁾	RECHARGEABLE BI 28 2/28	12	28	2	28	13	1,08	790
	RECHARGEABLE BI 50 13/11	12	50	13	11	40	3,50	960
MOTOR BANDALUX RADIO SOLAR	KIT SOLAR STATION 40 10/12	12	40	10	12	36	3	620
	KIT SOLAR STATION 50 20/6	12	50	20	16	72	6	670
MOTOR SOMFY® CABLE	ROLL UP 28 0,8/30 ⁽²⁾	24	28	0,8	30	9,6	1,00	410
	MERCURE 40 3/30	230	40	3	30	80	0,35	650
	ARIES 40 SHORT 4/16	230	40	4	16	65	0,28	510
	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 ⁽⁴⁾	230	50	6	17	90	0,45	730
	MAESTRIA 50 10/17 ⁽⁴⁾	230	50	10	17	120	0,50	780
	MAESTRIA 50 15/17 ⁽⁴⁾	230	50	15	17	140	0,65	780
MOTOR SOMFY® CABLE SILENT ⁽²⁾	SONESSE 40 3/30	230	40	3	30	95	0,41	610
	SONESSE 50 6/28	230	50	6	28	146	0,63	700
	SONESSE 50 10/28	230	50	10	28	180	0,78	700
	SONESSE 50 15/17	230	50	15	17	153	0,67	700
MOTOR SOMFY® RTS	ALTUS 40 3/30	230	40	3	30	80	0,35	650
	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 28 LI-ION 1,1/28 ⁽²⁾	12	28	1,1	28	9,6	0,8	440
	SONESSE 30 LI-ION ULTRA 2/28 ⁽²⁾	12	30	2	28	18	1,5	770
	SONESSE 40 3/30	230	40	3	30	95	0,41	700
	SONESSE 50 6/28	230	50	6	28	146	0,63	790
	SONESSE 50 10/28	230	50	10	28	180	0,78	790
	SONESSE 50 15/17	230	50	15	17	153	0,67	790
MOTOR SOMFY® IO	SUNEA SCREEN 40 3/30	230	40	3	30	90	0,39	700
	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
	SUNILUS 50 40/17	230	50	40	17	270	1,17	870
SOLAR MOTOR KIT ⁽³⁾	SUNEA 40 6/18	12	40	6	18	24	2,00	700
	SUNEA 40 10/12	12	40	10	12	32	2,67	700

① (1) For widths between 200 mm and 400 mm, the maximum height is 1.500 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. / (4) Motor with electronic limit switch. / This information is approximate and may vary depending on the fabric.

Box range shade

TECHNICAL DATA

CASSETTE SIZES (mm)

	INDOOR POSITION								INSTALLATION IN OPPOSITE DIRECTION					
	SELF-SUPPORTING				INDOOR WALL/CEILING BRACKET				REINFORCED WALL BRACKET			REINFORCED CEILING BRACKET		
	A	B	A	B	A	B	A	B	A	B	C**	A	B	C**
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	--	--	--	--	--	--

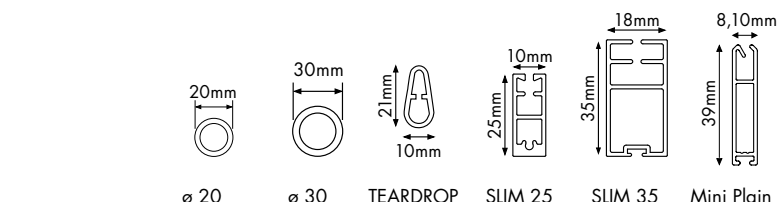
* Installation in opposite direction: Not available with chain-operated system. Box CANNOT be opened.

** Worst case (Hidden bottom rail ø 30).

NUMBER OF BRACKETS, ACCORDING TO SHADE WIDTH

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

BOTTOM RAILS



B-BOX	ø 20	ø 30	TEARDROP	SLIM 25	SLIM 35	Mini Plain
WITHOUT SIDE CHANNEL	✓	✓	✓	✓	✓	X
CABLE GUIDE	✓	✓	✓	✓	✓	X
"U" CHANNEL ALUM.	✓	✓	X	X	✓	X
BLACKOUT CHANNEL	X	X	X	X	X	✓
LIMIT	--	--	2500 mm	2500 mm	--	--

* B-Box 65 - Compatible with any bottom rail.

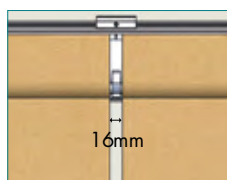
B-Box 85/ B-Box100 - Compatible with any bottom rail except "Teardrop"

B-Box 136 - Compatible with any bottom rail except "Teardrop" and "Slim 25"

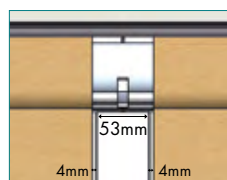
DOUBLE DROPS B-BOX

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 meters.

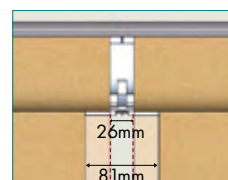


WITHOUT SIDE CHANNEL (indoor)



WITH DOUBLE U CHANNEL (indoor/outdoor)

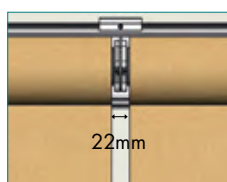
* Information for Ø20 and Ø30 hidden bottom rails



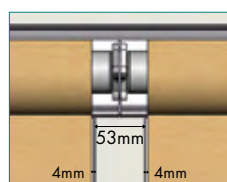
WITH DOUBLE BLACKOUT CHANNEL (indoor/outdoor)

* 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 (double support)

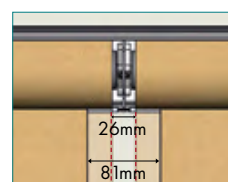


WITHOUT SIDE CHANNEL (indoor)



WITH DOUBLE U CHANNEL (indoor/outdoor)

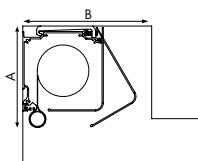
* Information for Ø20 and Ø30 hidden bottom rails



WITH DOUBLE BLACKOUT CHANNEL (indoor/outdoor)

* Double drop for B-BOX 65 is only available without side channel. Not available for Solar Motor Kit

INSTALLATION ON CURTAIN ROD AND STACKING HEIGHT (mm)

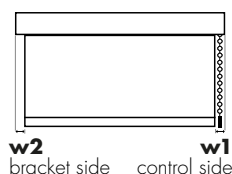


B-BOX

① *Information for reinforced ceiling bracket

mm	Ø20		Ø30		TEARDROP		SLIM 25		SLIM 35		MINI PLAN	
	A	B	A	B	A	B	A	B	A	B	A	B
B-BOX 65	93	120	103	120	94	120	98	120	109	120	106	110
B-BOX 85	112	140	122	140	--	--	117	140	128	140	126	130
B-BOX 100	127	160	137	160	--	--	--	--	143	160	141	150
B-BOX 136	167	205	177	205	--	--	--	--	183	205	173	195

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



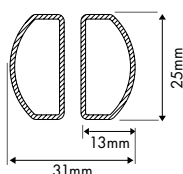
1. Q-BOX 55 = 20mm. /
2. B-BOX 65 = 27mm. /
3. B-BOX 65 = 29mm. /
4. B-BOX 65 = 28mm. /
5. Information for Slim 35 bottom rail. For the hidden bottom rail, subtract 2mm.

		WITHOUT SIDE CHANNEL	CABLE GUIDE	ALUMINUM CHANNEL U-SMALL	ALUMINUM CHANNEL U-LONG
CHAIN	a1	21mm ⁽¹⁾	21mm	23mm ⁽⁵⁾	--
	a2	23mm	23mm	23mm ⁽⁵⁾	--
CRANK	a1	33mm ⁽²⁾	33mm ⁽²⁾	--	33mm ⁽⁴⁾
	a2	23mm ⁽³⁾	23mm ⁽³⁾	--	28mm ⁽⁵⁾
MOTOR Ø25	a1	23mm	23mm	--	28mm ⁽⁵⁾
	a2	23mm	23mm	--	28mm ⁽⁵⁾
MOTOR Ø40	a1	25mm	25mm	--	28mm ⁽⁵⁾
	a2	23mm	23mm	--	28mm ⁽⁵⁾
MOTOR Ø50	a1	26mm	26mm	--	28mm ⁽⁵⁾
	a2	23mm	23mm	--	28mm ⁽⁵⁾
MOTEUR SOLAIRE	a1	--	31mm	--	31mm
	a2	--	23mm	--	28mm ⁽⁵⁾

WIND PROFILES AND SPACER BRACKETS

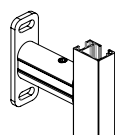
WIND PROFILE SIZES

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.

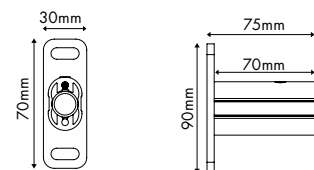


1. Only compatible with U-402 and U-302 channels.
2. Maximum width 2500 mm
3. Not compatible with chain-operated system.

SPACER BRACKET



1. Only compatible with U-402 and U-402 double channel kit.



Shade height H	N. of brackets per channel
H 1500 mm	2
1500 mm < H 2500 mm	3
2500 mm < H 3000 mm	4
3000 mm < H 4000 mm	5

Box range shade

TECHNICAL DATA

OPERATING SYSYEMS

CHAIN

CHAIN-OPERATED SYSTEM WITH Child Safety

The **Child Safety** piece must be positioned at a minimum height of 1.5m from the ground.

CHAIN-OPERATED SYSTEM WITHOUT Child Safety

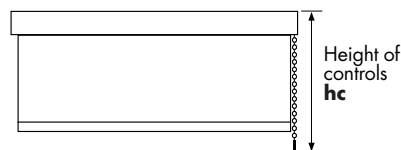
In case the Child Safety feature is declined, the height of the controls will be:

FOR B-BOX 65, B-BOX 85, B-BOX 100

Minimum calculation for hc: $H \times 0,70$

FOR B-BOX 136

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



Example of calculation

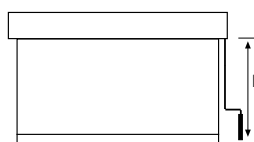
Height of shade H	Height of controls hc (minimum)	
	B-65, B-85, B-100	B-136
1000 mm	700 mm	900 mm
2000 mm	1400 mm	1800 mm
4000 mm	2800 mm	3600 mm

❶ 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.

CRANK

HEIGHT OF CONTROLS

Recommended crank heights hc



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

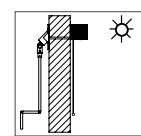
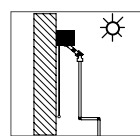
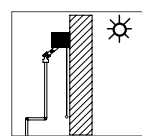
❶ In the single crank control, the height of the control is interpreted with the crank in the operative position. To find out the measurement with the crank extended, add 140 mm.

TYPE OF INSTALLATION

H INTERIOR

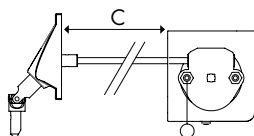
K EXTERIOR

I EXTERIOR WITH CRANK RETURN

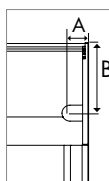


VARIATIONS OF CRANK RETURN

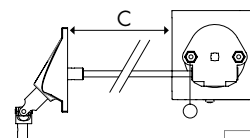
I.1 90° UPPER



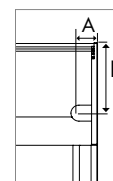
mm	B-65	B-85	B-100	B-136
A	13	16	16	16
B	22	30	37	51
Cmax	265	260	250	230



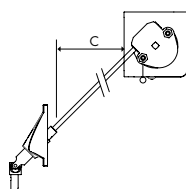
I.2 90° LOWER



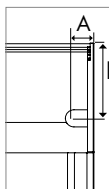
mm	B-65	B-85	B-100	B-136
A	13	16	16	16
B	49	64	71	85
Cmax	265	260	250	230



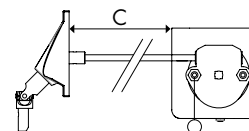
I.3 45°



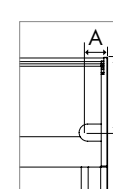
mm	B-65	B-85	B-100	B-136
A	X	16	16	16
B	X	64	76	111
Cmax	X	180	170	150



I.4 INSTALLATION IN OPPOSITE DIRECTION



mm	B-65	B-85	B-100	B-136
A	13	16	16	X
B	22	30	37	X
Cmax	265	260	250	X



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