

TECHNICAL FACT SHEET

COOLSCREEN 8

Plus
Solar
LED

COOLSCREEN 7

Solar

COOLSCREEN COLLECTION

archiproducts®
AWARDS
WINNER

COOLSCREEN 8 SOLAR

archiproducts®
AWARDS
WINNER
SUSTAINABILITY

COOLSCREEN 8 LED



reddot winner 2023

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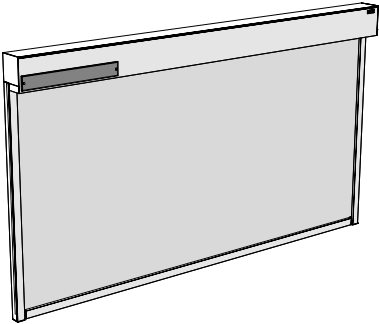
Coolscreen 8

GENERAL

The COOLSCREEN is a vertical outside sun protection solution with a special 'zip system' to hold the fabric in the guide rails at every height.

Consists of:

- a box with roll-up shaft and control unit.
- a special polyester or glass fibre fabric that is rolled up inside the box.
- guide rails.
- a weighted bottom slat which:
 - ✓ **keeps the fabric taut.**
 - ✓ **ensures proper guidance of the screen fabric.**



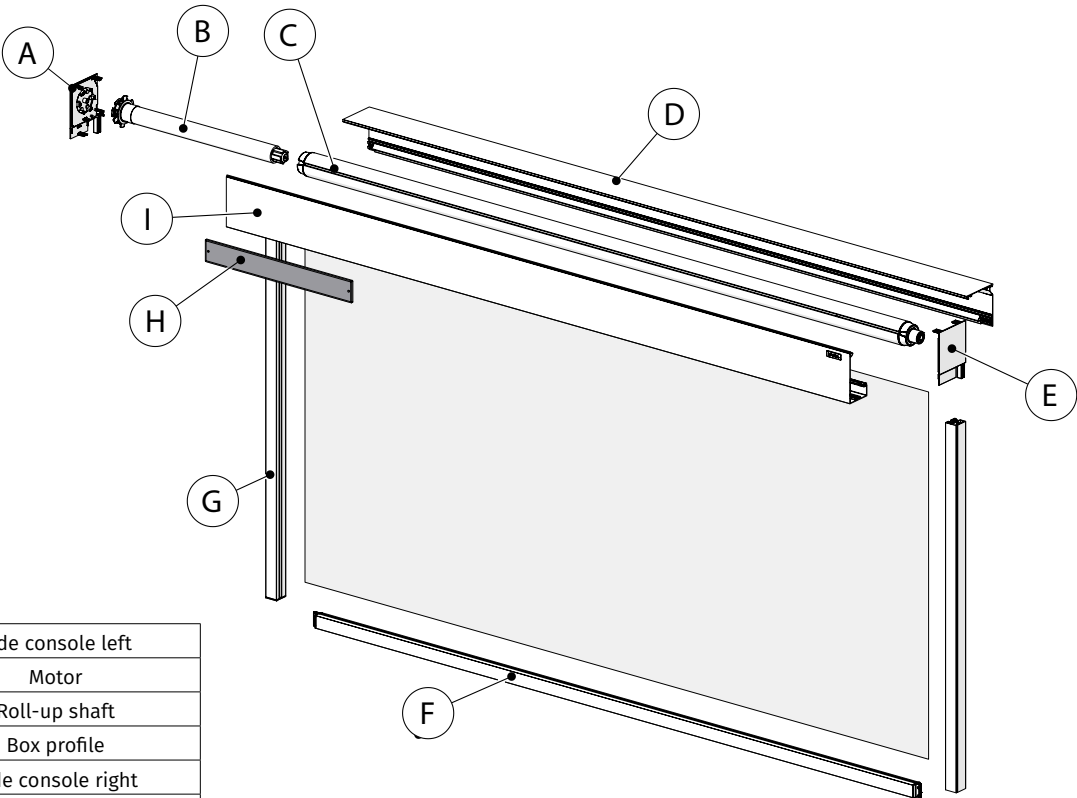
The COOLSCREEN comes with a zip system:

- ensures the fabric remains properly tensioned at every height of the bottom lath and prevents the fabric from pulling out of the guide rails.
- to do so, the fabrics are fitted with a zip on the left and right hand side.
- the thick part of the zip slides into a plastic guide profile which in turn is inserted into the aluminium guide profile.

Screens offer:

- excellent sun protection and obscuration.
- outward view in daylight when in a lowered position. (Does not apply to blackout fabric.)
- class 3 wind resistance.

Available colours: consult the colour chart in the sun protection price list and the fabric collection swatches.

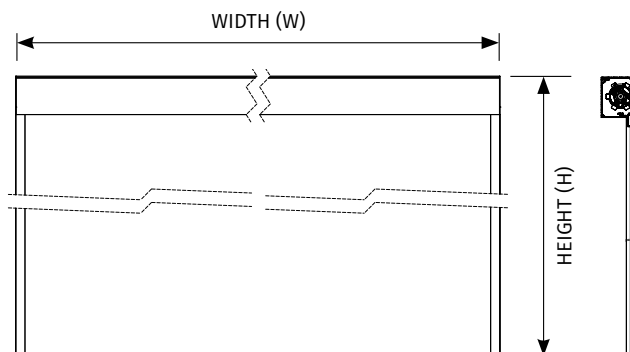


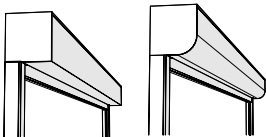
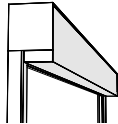
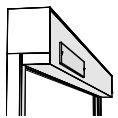
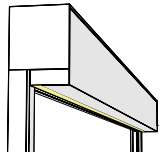
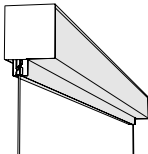
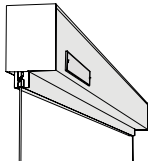
A	Side console left
B	Motor
C	Roll-up shaft
D	Box profile
E	Side console right
F	Bottom lath
G	Guide rail
H	Solar panel (optional)
I	Cover

FINISHED DIMENSIONS AND WEIGHTS

► Finished dimensions

- Finished width (W) = dimension rear of the consoles.
- Finished height (H) = height **including the box and including the guide rail end stops.**



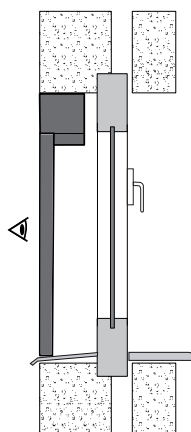
MODEL	FINISHED DIMENSIONS	BOX SIZES & WEIGHTS	MAX. FABRIC AREA
COOLSCREEN 8  shape: square or round.	min. width: <i>see operation</i> max. width: 6000 mm min. height: 400 mm max. height: 6000 mm	90 x 95 mm ► ± 6.5kg/m 110 x 115 mm ► ± 7.2 kg/m 135 x 140 mm ► ± 11.7kg/m	24 m ²
COOLSCREEN 8 Plus  The bottom lath is not visible when open.	min. width: <i>see operation</i> max. width: 6000 mm min. height: 400 mm max. height: 6000 mm	90 x 123 mm ► ± 7.0 kg/m 110 x 143 mm ► ± 7.6 kg/m 135 x 168 mm ► ± 12.1 kg/m	24 m ²
COOLSCREEN 8 Solar  The screen is powered by a Solar motor with solar panel on the box.	min. width: <i>see operation</i> max. width: 6000 mm min. height: 400 mm max. height: 5000 mm	90 x 123 mm ► ± 7.2 kg/m 110 x 143 mm ► ± 7.8 kg/m 135 x 168 mm ► ± 12.3 kg/m	24 m ²
COOLSCREEN 8 Led  With integrated LED lighting.	min. width: <i>see operation</i> max. width: 6000 mm min. height: 400 mm max. height: 6000 mm	90 x 123 mm ► ± 7.0 kg/m 110 x 143 mm ► ± 7.6 kg/m 135 x 168 mm ► ± 12.1 kg/m	24 m ²
COOLSCREEN 7  Guide rail: stainless steel cable guide with stainless steel suspension brackets or fitted onto the floor as an option (A1353)g	min. width: <i>see operation</i> max. width: 3500 mm min. height: 400 mm max. height: 3500 mm <i>(from top of box to underside of bottom lath)</i>	90 x 95 mm ► ± 5.1 kg/m 110 x 110 mm ► ± 5.8 kg/m 135 x 140 mm ► ± 10.3 kg/m	9 m ²
COOLSCREEN 7 Solar  The screen is powered by a Solar motor with solar panel on the box. Guide rail: stainless steel cable guide with stainless steel suspension brackets or fitted onto the floor as an option (A1353)	min. width: <i>see operation</i> max. width: 3500 mm min. height: 400 mm max. height: 3500 mm <i>(from top of box to underside of bottom lath)</i>	90 x 123 mm ► ± 5.7 kg/m 110 x 143 mm ► ± 6.4 kg/m 135 x 168 mm ► ± 10.9 kg/m	9 m ²



FOR MAXIMUM "HEIGHT X WIDTH" COMBINATION, SEE ROLL-UP TABLES P. 25

FITTING TYPES

TYPE 1



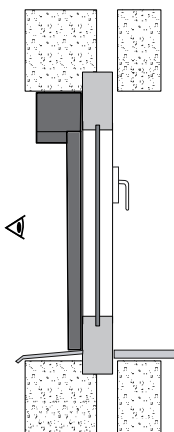
TYPE 1.

(REVERSE INSIDE THE RECESS)

COOLSCREEN 7	COOLSCREEN 8
COOLSCREEN 7 SOLAR	COOLSCREEN 8 Plus
	COOLSCREEN 8 Solar
	COOLSCREEN 8 Led

- standard with box finishing profiles, no assembly brackets included.
- Guide 803 standard (Coolscreen 8 Plus/solar/led)

TYPE 2



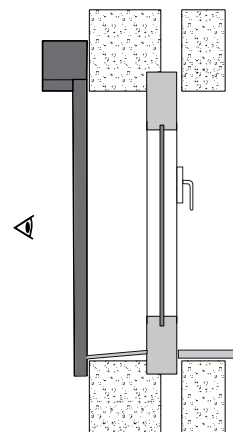
Type 2.

(INSIDE THE RECESS)

COOLSCREEN 7	COOLSCREEN 8
COOLSCREEN 7 SOLAR	COOLSCREEN 8 Plus
	COOLSCREEN 8 Solar
	COOLSCREEN 8 Led

- assembly brackets supplied as standard.
- Guide 801 standard (Coolscreen 8 Plus/solar/led)

TYPE 5



TYPE 5.

(ON THE RECESS)

COOLSCREEN 7	COOLSCREEN 8
COOLSCREEN 7 SOLAR	COOLSCREEN 8 Plus
	COOLSCREEN 8 Solar
	COOLSCREEN 8 Led

- assembly brackets supplied as standard.
- Guide 801 standard (Coolscreen 8 Plus/solar/led)



Always provide space to open the box! See drawing p. 24



For Coolscreen Solar, the solar panel is supplied separately with this fitting type.



When fitting the brackets, allow for an extra **10 mm** vertical clearance to hook in the screen box. See drawing p. 22

MAKE SURE THE BOX CAN ALWAYS BE OPENED SO THE MECHANICAL PARTS INSIDE ARE EASILY ACCESSIBLE. IF THIS INSTRUCTION IS NOT OBSERVED, HAROL CANNOT BE HELD RESPONSIBLE FOR THE COST OF ANY STRUCTURAL INTRUSIONS, PAINTING OR WALLPAPERING.

INDIVIDUAL PARTS

	COOLSCREEN 7	COOLSCREEN 8	COOLSCREEN 7 SOLAR	COOLSCREEN 8 SOLAR	COOLSCREEN 8 PLUS	COOLSCREEN 8 LED
BOX *						
COVERS *						
SIDE CONSOLES & END CAPS **						
CENTRAL CONSOLES						LINKED SCREENS NOT POSSIBLE WITH COOLSCREEN 8 LED

* Material: extruded aluminium with powder coating or anodised.

** Material: cast aluminium with powder coating.

Fabric guiding profile

COOLSCREEN 8

COOLSCREEN 8 Plus

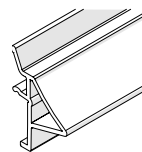
COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

COOLSCREEN 7 Solar

- Material: plastic (ABS)
- Function:
 - ✓ **mounted on the box profile.**
 - ✓ **guides the fabric out of the box.**
 - ✓ **used as a stop of the bottom lath across the entire width of the box profile.**
 - ✓ **must be present to ensure a smooth fabric.**



Box cover lock

COOLSCREEN 8

COOLSCREEN 8 Plus

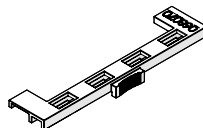
COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

COOLSCREEN 7 Solar

- Material: PA6 GF30 (polyamide reinforced with 30% glass fiber)
- Function: screwless locking of the box cover.



Shafts

COOLSCREEN 8

COOLSCREEN 8 Plus

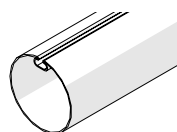
COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

COOLSCREEN 7 Solar

- Material: round welded tube made from zinc-plated zendimir strip.
- Function: rolling the fabric up and down.
- Fitted with a groove to secure the fabric.
- 3 sizes:
 - ✓ SHAFT Ø63 x 0.9 mm
 - ✓ SHAFT Ø85 x 1.25 mm
 - ✓ SHAFT Ø95 x 1.25 mm



Assembly bracket

COOLSCREEN 8

COOLSCREEN 8 Plus

COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

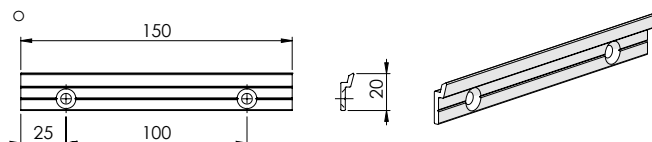
COOLSCREEN 7 Solar

STANDARD ASSEMBLY BRACKET (*optional A2571, standard on MT2 & MT5*)

- Material: extruded aluminium with powder coating.
- Function: **used for normal fitting against a wall.**
- The number of assembly brackets supplied always depends on the screen width.
- Additional brackets available
- Available at the desired length (optional A2592)

NUMBER OF BRACKETS SUPPLIED

	WIDTH OF THE SCREEN (mm)			
	≤ 1500	1501 - 3000	3001 - 4500	4501 - 6000
SINGLE	2	3	4	5
DVC2 / DVS2	3	4	5	6
DVC3 / DVS3	4	5	6	7

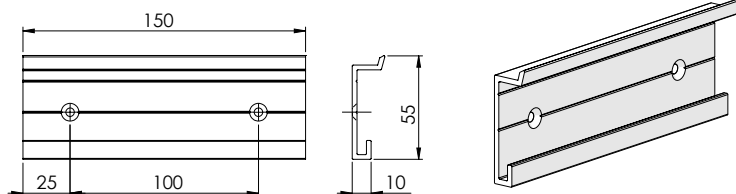


ASSEMBLY BRACKET WITH FILL-OUT (*optional A2572*)

- Material: extruded aluminium with powder coating.
- The number of assembly brackets supplied always depends on the screen width.
- Additional brackets available
- Available at the desired length (optional A2593)

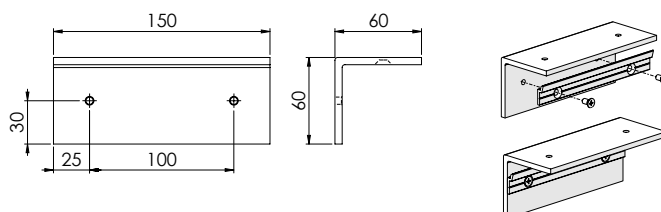


When fitting the brackets, factor in an additional vertical clearance of **10 mm** to hook in the screen box. See drawing p. 22



ASSEMBLY BRACKET CEILING (*optional A1674*)

- Material: extruded aluminium with powder coating.
- The number of assembly brackets supplied always depends on the screen width.
- Additional brackets available



WITHOUT ASSEMBLY BRACKET (*optional A1672 - customer provides own suspension*)

Spring-loaded gudgeon

COOLSCREEN 8

COOLSCREEN 8 Plus

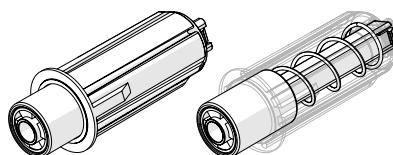
COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

COOLSCREEN 7 Solar

- Easy removal and returning of the shaft.
- For linked coolscreens or coolscreens > 4 m, there are reinforced spring-loaded gudgeon.



Motor bracket

COOLSCREEN 8

COOLSCREEN 8 Plus

COOLSCREEN 8 Solar

COOLSCREEN 8 Led

COOLSCREEN 7

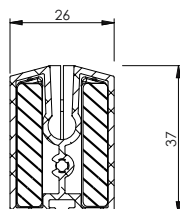
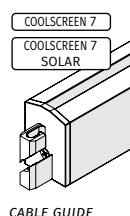
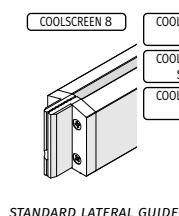
COOLSCREEN 7 Solar

- Material: plastic.
- Function:
 - ✓ secures the motor inside the box.
 - ✓ allows for motor cable over-length.

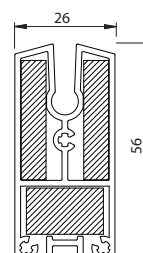


Bottom lath

- A weighted bottom lath with sliding blocks that:
 - ✓ keeps the fabric taut.
 - ✓ ensures proper guidance of the screen fabric.
 - ✓ weighting => 2.9 kg/m (maximum 5.8 kg)



- Option A2416: High extension pole.
 - ✓ weighting => 4,8 kg/m



Guide rail 801-802-803

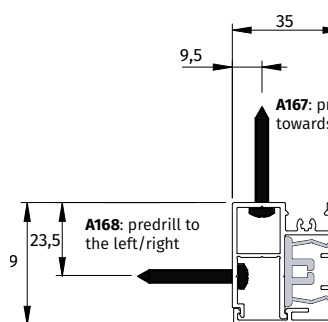
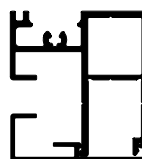
COOLSCREEN 8

COOLSCREEN 8 Plus

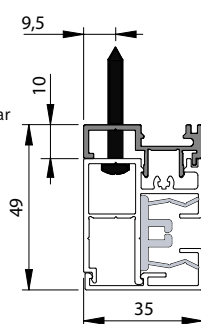
COOLSCREEN 8 Solar

COOLSCREEN 8 LED

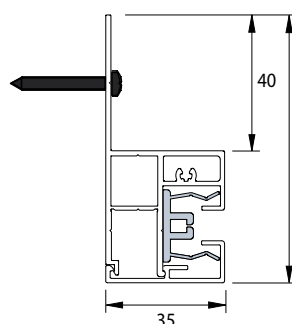
- Material: extruded aluminium with powder coating.
- 2-piece guide rail.
- No visible screws.
- Possible fill-out per 10 or 20 mm (maximum 50 mm).
- Allows for lateral and frontal fitting.
- Fits all models.
- Fastening bolt: DIN 7981 4.2 x 32 mm
- Please note! When using fill-out parts, longer screws are required.



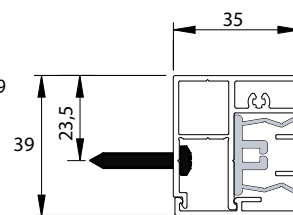
Standard lateral guide 801 for mounting type 2 and 5 (MT2, MT5)



Standard guide rail 801 with (optional) 10 mm fill-out profile



Lateral guide 802 with mounting flange



Standard lateral guide 803 for mounting type 1 (MT1)



Optional* (A2418): finishing profile guide rail 801



Optional (A2594): fill-out part for guide rail 10 mm (maximum total fill-out 50 mm)



Optional (A2595): fill-out part for guide rail 20 mm (maximum total fill-out 50 mm)

Central guide (811)

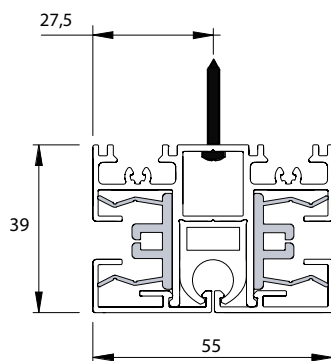
COOLSCREEN 8

COOLSCREEN 8
Plus

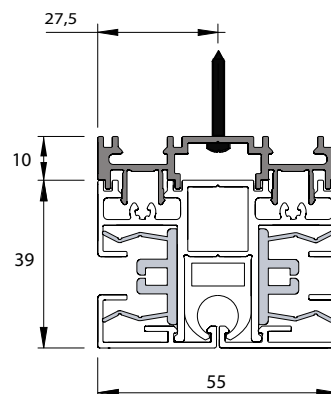
- Material: extruded aluminium with powder coating.
- 3-piece guide rail.
- No visible screws.
- Possible fill-out per 10 mm (maximum 50 mm).
- Fits all models.
- Fastening bolt: DIN 7981 4.2 x 32 mm
- Please note! When using fill-out parts, longer screws are required



Optional (A2596):
fill-out part for central guide
(maximum total fill-out 50 mm)



Standard central guide 811



Standard central guide 811 with (optional) 10 mm fill-out profile

Zip guide profile

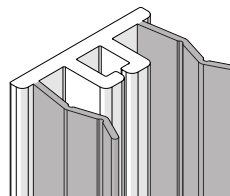
COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
Solar

COOLSCREEN 8
LED

- Material: co-extrusion plastic
- Function:
 - ✓ keeps the fabric taut.
 - ✓ ensures that the fabric stays inside the guide rails.



Combined side guide - cable guide

COOLSCREEN 7

COOLSCREEN 7
Solar

COMBINATION: SIDE GUIDE RAIL ON ONE SIDE AND CABLE GUIDE ON THE OTHER

- Function:
 - ✓ For installations where a fixed guide cannot be fitted on one side, a cable guide is fitted instead.
 - ✓ PLEASE NOTE: the wind resistance class of Coolscreen 7 always applies when combined guides are used..
- Required information:
 - ✓ Desired side guide rail: 801 – 802 – 803.
 - ✓ Desired end stops according to the selected guide rail.
 - ✓ Side of fixed side guide rail: left or right (viewed from outside the Coolscreen inwards).

End stop for guide rail & central guide

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
Solar

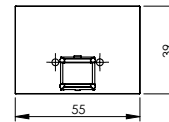
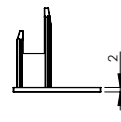
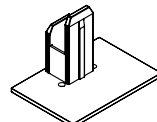
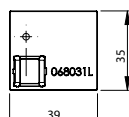
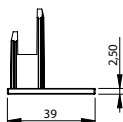
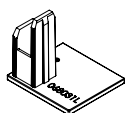
COOLSCREEN 8
LED

- Material: plastic.
- 6 versions:

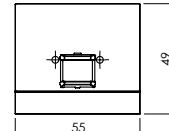
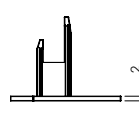
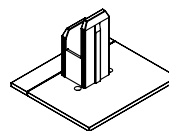
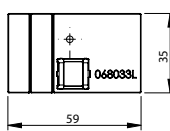
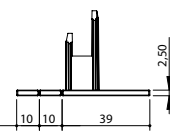
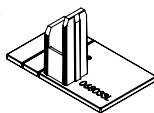
lateral guide

central guide

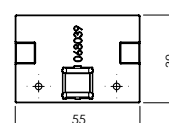
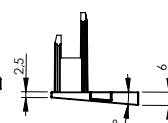
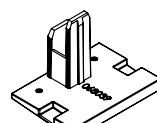
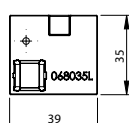
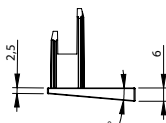
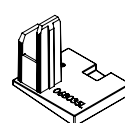
flat



flat with break-off capability



Option A2581 : at an angle of 5° (only for use with fitting types 2 & 5)

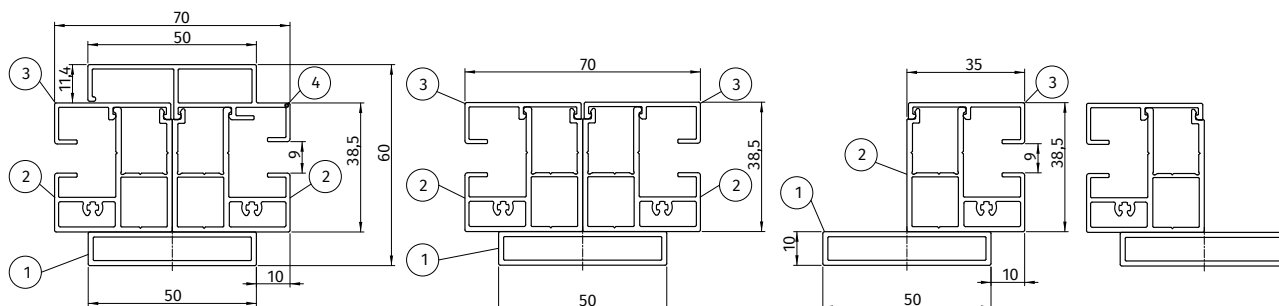


Curtain wall guide

COOLSCREEN 8

COOLSCREEN 8
Plus

- Material: extruded aluminium with powder coating.
- Function:
 - ✓ **Guide for curtain wall**
 - ✓ **Different profiles can be combined to achieve the desired finish.**



① 068760 Tubular profile alu - 50 x 10 x 1,5 mm

② 068750 Rail guide 803

③ 068022 Finishing profile for lateral guides

④ 068801 Double finishing profile for rail guide 803

Distance support

COOLSCREEN 8

COOLSCREEN 8
Plus

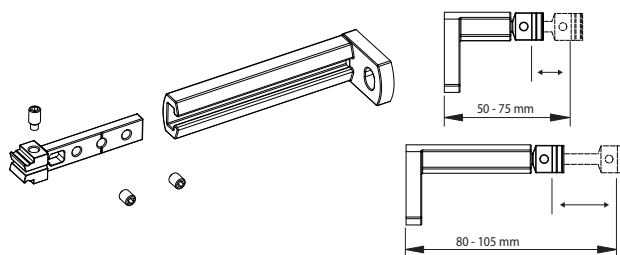
COOLSCREEN 8
Solar

COOLSCREEN 8
Led

- Distance supports are used to bridge an excessive distance between the mounting surface and guides.
- Material: extruded aluminium with powder coating

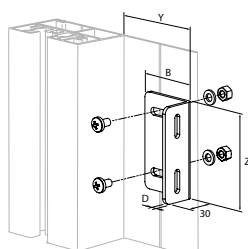
Variable distance support:

- Option A1880 : length variable from 50 to 75 mm
- Option A1881 : length variable from 80 to 105 mm



Fixed distance support

- Option A472 : In combination with guide 802



B x H x D	B	Y	Z	Availability
50 x 30 x 3	50	50 - 65	80 or length to measure	in stock
60 x 30 x 3	60	60 - 75	80 or length to measure	in stock
100 x 30 x 3	100	100 - 115	80 or length to measure	in stock
130 x 30 x 3	130	130 - 145	80 or length to measure	in stock
B x H x D	x	x + 15	length to measure	specially folded

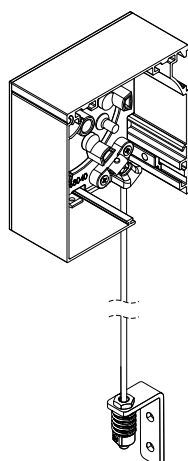
If the length is made to measure, no slotted holes are provided.

Cable guide

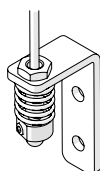
COOLSCREEN 7

COOLSCREEN 7
Solar

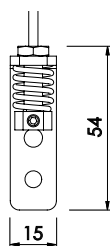
- stainless steel cable guide with stainless steel suspension brackets or fitted onto the floor as an option (A1353).



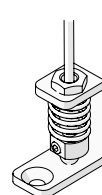
STANDARD



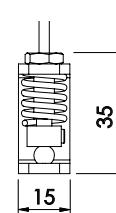
FITTING TYPE 5
wall assembly



OPTION A1353



FITTING TYPE 2
floor assembly



Box rear finish

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
Solar

COOLSCREEN 8
LED

COOLSCREEN 7

- The space between the box and the wall may be filled up with a U-profile (10x10x10 mm). Its length is determined by the box size.

U-profile - horizontal

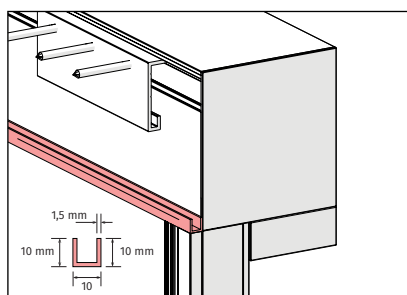
- Option A3554: mounted on rear of box with double-sided tape.
- Option A3666: supplied separately (without fastening materials).

U-profile - vertical

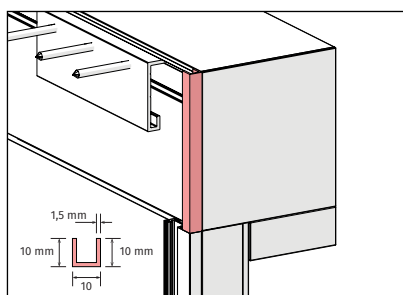
- Option 3675: mounted on rear of box with double-sided tape.
- Option 3676: supplied separately (without fastening materials)

L-profile 20 x 20 x 1.5 mm

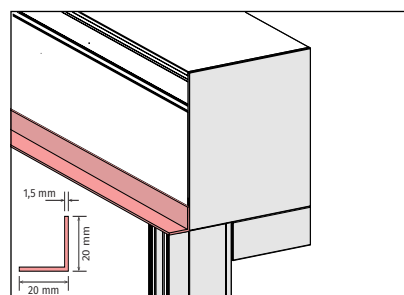
- Option 2655: . Filler profile mounted on the box.



OPTION (A3554 / A3666)



OPTION (A3675 / A3676)

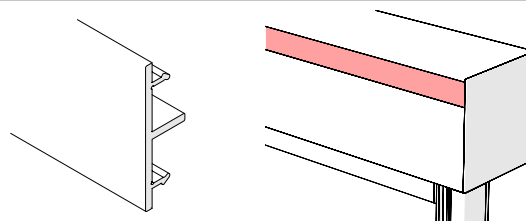


OPTION A2655

- **tubular profile 35 x 20 x 2 mm**
 - Supplied separately in all cases.
 - Order by length.
 - item no. 068089
- **tubular profile 35 x 35 x 2 mm**
 - Supplied separately in all cases.
 - Order by length.
 - item no. 006430

Finishing profile

- Material: extruded aluminium with powder coating.
- ditto for box and guide rail.
- Standard for fitting type 1, available as an option for other fitting types (A2570).



OPERATION

○ Two operating systems available for all box sizes:

✓ **ELECTRIC OPERATION (standard).**

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
LED

COOLSCREEN 7

✓ **SOLAR OPERATION.**

COOLSCREEN 7
Solar

COOLSCREEN 8
Solar

✓ **CRANK HANDLE OPERATION**

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 7

○ Customer's choice, considering the allowed width and height.



Be careful when determining the operating side.

OUTDOOR FITTING: CONTROL IS ALWAYS SEEN FROM THE OUTSIDE! (THE FABRIC SITS ON THE OUTSIDE OF THE WINDOW)

INDOOR FITTING: CONTROL IS ALWAYS SEEN FROM THE INSIDE! (THE FABRIC SITS ON THE INSIDE OF THE WINDOW)

► Motor overview

SHAFT SIZE	OPTION	MOTOR TYPE	WIDTH		HEIGHT		CABLE LENGTHS							
			MIN.	MAX.	MIN.	MAX.	WHITE (VVF)				BLACK (RRF)			
							2.5 M	3 M	5 M	10 M	3 M	5 M	10 M	
SHAFT Ø63	Standard	Maestria+ 50 IO - 32 rpm	770**	5000	400	6000	-	-	S	X	-	X	-	
	A1380	Maestria+ 50 IO - 17 rpm	720**	5000	400	6000	-	-	S	X	-	X	-	
	A1077	Altus 50 RTS - 17 rpm	720**	5000	400	6000	-	-	S	X	-	X	-	
	A2698	Maestria 50 WT - 17 rpm	720**	5000	400	6000	-	S	X	X	X	X	X	
	A1546	LT-50 - 17 rpm	670**	5000	400	6000	-	S	X	X	X	X	X	
	A1287	LT-50 - 32 rpm	710**	5000	400	6000	-	S	X	X	X	X	X	
	A2706	Selve SE22	680	6000	400	6000	-	-	-	-	S	X	X	
SHAFT Ø85	A1281	Sunea Screen IO 40 - 16 rpm	640	2500	400	4000	-	-	S	-	-	-	-	
	A1069	Altus 40 RTS - 16 rpm	640	2500	400	4000	-	-	S	-	-	-	-	
SHAFT Ø95	A939	Mars LS 40 - 16 rpm	640	2500	400	4000	-	S	-	-	-	-	-	
	A949	ARIES LS40 SHORT	575	2500	400	4500	-	S	-	-	-	-	-	
	A1678	Harol Master 50 - 17 rpm	770	5000	400	6000	S	-	X	-	-	-	-	
	A1679	Harol Optima 50 - 17 rpm	770	5000	400	6000	S	-	X	-	-	-	-	
	A1871 / A1872	Altea 50 Solar io - 14 rpm	640	6000	400	5000	N/A*							
	A4114	Sunea 40DC RTS*	640	5000	400	4000	N/A*							
	A4118	RS100 Solar IO*	640	6000	400	5000	N/A*							
	A1684	Harol Solar Pure 50 - 12 rpm	820	6000	400	5000	N/A*							

S: Standard

X: Optional

* standard for Coolscreen Solar (motor with battery and solar panel)

** For heights > 4000 mm, the minimum width changes: 770 → 820, 720 → 770, 710 → 790, 670 → 690

- white or black motor cable: the main difference between the two are the UV resistance and the mechanical resistance. In general, the black RRF cable may be visible and used outdoors, and the white VVF cord can be used indoors or outdoors, protected in an electrical duct.
- The motor (LT50 & LS40) control buttons are always easy to reach.
- For group operation and automation: see Harol Home Automation catalogue.
- Please note: The motors have an running time of ± 4 minutes, after that they switch to thermal security mode. (see motor manual)

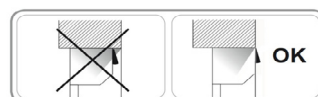
► Solar control

SOLAR SCREEN = COOLSCREEN WITH SOLAR MOTOR (SUNEA 40 SOLAR IO (STANDARD) OR SUNEA 40 DC RTS + BATTERY + SOLAR PANEL)

	ALTEA 50 SOLAR IO		RS100 SOLAR IO - 6/10 NM (A4118)	RS100 SOLAR IO - 15/20 NM (A4119)	HAROL SOLAR PURE
	6/10 NM (A1871)	15 NM (A1872)			
MOTOR					
Motor type	Altea 50 Solar io	Altea 50 Solar io	RS100 Silensio IO	RS100 Silensio IO	Harol Solar Pure
Power	6/10 Nm	15 Nm	6/12 Nm	15/20 Nm -	10/20 Nm
Speed	14 rpm	14 rpm	12 rpm	12 rpm	12 rpm
Diameter	Ø 50	Ø 50	Ø 50	Ø 50	Ø 50
Voltage	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Protection class:	IP44	IP44	IP44	IP44	IP65
SOLAR PANEL					
Panel type	Monocrystalline	Monocrystalline (2x)	Monocrystalline	Monocrystalline	Monocrystalline
Dimensions	470x60x6 mm	470x60x6 mm (2x)	370x60x6mm	500x60x6 mm	62 x 600 x 4 mm
Power	3,2 W	2 x 3,2 W	2,5 W	5,8 W	5 W
Lifetime	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years
Protection class:	X4	X4	X4	X4	IP65
BATTERY					
Type panneau solaire	NiMH	NiMH	NiMH	NiMH	Li-on
Dimensions	340x23 mm	430x23 mm	340x23 mm	595x23 mm	Intégré dans le moteur
volatage	9,6 V DC	16,8 V DC	9,6 V DC	16,8 V DC	-
Capacity	2,2 Ah	2,2 Ah	2,2 Ah	2,2 Ah	-
Cable length	10 cm	10 cm	10 cm	10 cm	-
Charging time	max. 3,5 u	max. 3,5 u	max. 3,5 u	max. 3,5 u	-
Protection class:	IPX4	IPX4	IPX4	IPX4	-
WARRANTY					
	7 years	7 years	7 years	7 years	5 years
SOMFY SOLAR App  					

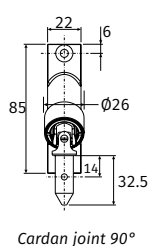
Warranty

- If north-facing, 1 cycle per day is guaranteed.
- Upon assembly, the battery is to be connected to the motor.
- Make sure sunlight reaches the solar panel when fitting the screen!

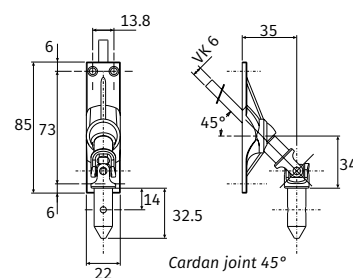
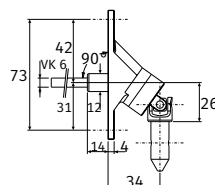


Crank handle operation:

- **Self-locking worm gear mechanism.**
 - Mechanism always on the inside. With a 1:4 transfer ratio.
 - With built-in end cap (prevents wrong roll-up of the fabric)
 - Minimum width = 400 mm.
 - To be fitted indoors only.

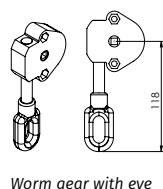


Cardan joint 90°

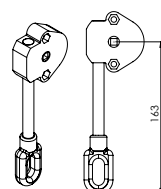


Cardan joint 45°

- **Worm gear with eye**



Worm gear with eye



MULTIPLE SCREENS

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
Solar

COOLSCREEN 7

COOLSCREEN 7
Solar

► Possibility to use 1 box for 2 or 3 fabric sections

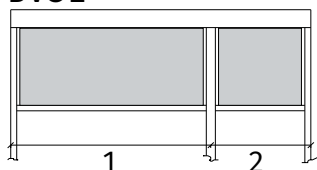
- DVC: Coolscreen 8 is equipped with central guide(s) (811).
- DVS: Coolscreen 8 comes with two guides, with a maximum spacing of 500 mm. For coupled DVS, the minimum spacing is 104 mm.

► Maximum 6 m box width

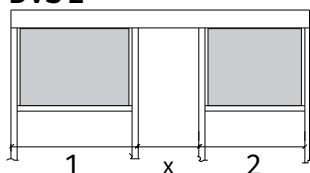
► Possible with 1, 2 or 3 control units

- minimum width per section depends on the control
- maximum overall width per control:
 - see roll-up tables.
 - **crank and electrical operation can be coupled up to 6 m.**
- central control is possible with multiple operations.
- the control unit should ideally be fitted on the side of the largest fabric.

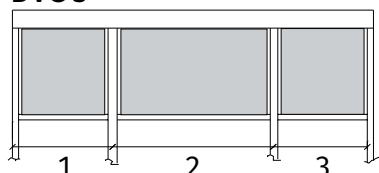
DVC 2



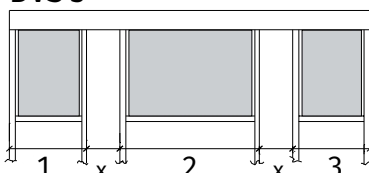
DVS 2



DVC 3



DVS 3



BOX EXTENSION

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 8
Solar

COOLSCREEN 8
LED

COOLSCREEN 7

► If the box must be extended for aesthetic reasons

Choice out of different box extensions

- (A) False box extension (min. 40 mm, max. 300 mm) → operating exit remains standard and the box is extended and closed off by a console without pin.
- (B) Open false box extension (min. 40 mm, max. 300 mm) → operating exit remains standard and the box is extended but not closed off by a console.

CS-BOX / CS-BOX PLUS

COOLSCREEN 8

COOLSCREEN 8
Plus

COOLSCREEN 7

► CS-Box = finished empty screen box without guide rails, bottom lath or controls

- consisting of:
 - A REAR SIDE
 - A BOX COVER
 - SIDE CONSOLES WITHOUT PIN. (STANDARD)
- purely aesthetic.
- available in three box sizes. (90, 110 & 135 and all colours)
- suspension with assembly brackets. (number of assembly brackets → see p. 8 "ASSEMBLY BRACKETS")
- not convertible!
- available options:
 - A461 Extra wall and ceiling brackets
 - A3681 Standard wall and ceiling brackets not supplied
 - A3554 U-profile 10x10x10x1.5 mm - horizontally mounted on rear of box
 - A3675 U-profile 10x10x10x1.5 mm - vertically mounted on rear of box
 - A2421 Angled profile 30x20x2 for box
 - A2504 Side consoles with pin for CS-BOX

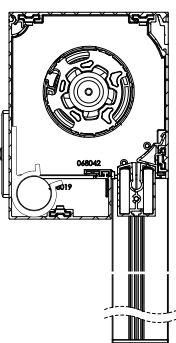
OPERATING EXITS

		O			A			E/H [1]			B			K			G			M			ZA			ZB		
		90	110	135	90	110	135	90	110	135	90	110	135	90	110	135	90	110	135	90	110	135	90	110	135	90	110	135
Type 2 & 5	Motor	X	X	X	X	X	X	X	X	X							X	X	X				X	X	X	X	X	X
	Gearbox 90° (*)	X	X	X	X	X	X																					
	Gearbox 45° (*)	X	X	X	X	X	X																					
	Worm gear with eye (*)																			O	O	O						
	Solar (antenna)																											
Type 1	Motor				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X
	Gearbox 90° (*)										X	X	X	X	X	X												
	Gearbox 45° (*)																											
	with eye (*)																			O	O	O						
	Solar (antenna)																											

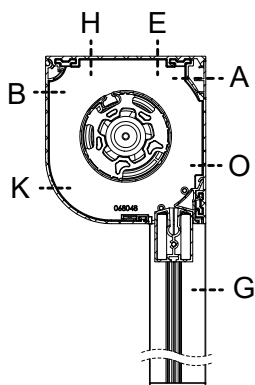
(*) Crank handle operations and ring gearboxes are only possible with square boxes.

Coolscreen 8 Solar

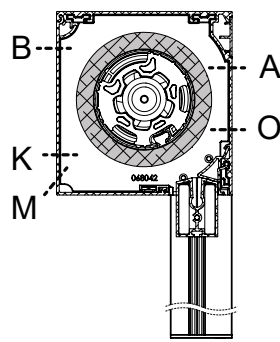
NO OPERATING EXITS



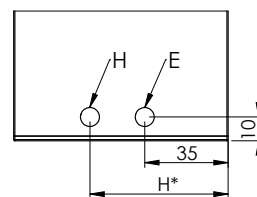
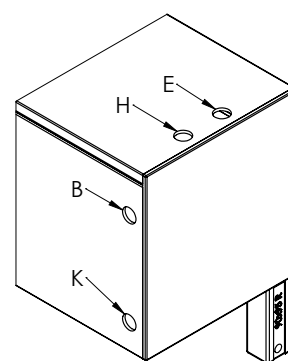
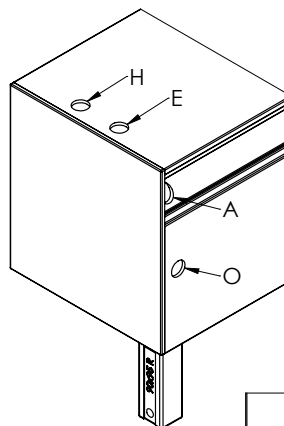
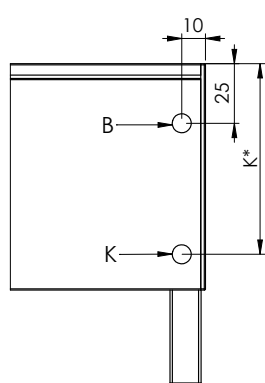
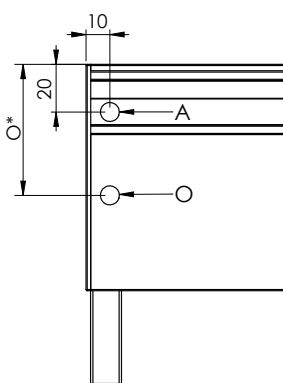
Coolscreen 8



Coolscreen with crank rod



- X possible
- X possible, but not directly on the box
- X in the suspension channel, covered with box finishing profile
- X only possible with square boxes
- O large worm gear with eye (art. no. 45061), "Plus" cover not possible!
- X possible, but without cable gland
- [1] only possible for indoor installation



KAST - CAISSON - BOX	A	O*	E	H*	B	K*
90x95mm	20	55	35	58	25	80
110x115mm	20	75	35	78	25	100
135x140mm	20	100	35	103	25	125

FABRICS

Various types of fabric can be used on the COOLSCREEN. There is a choice of the following qualities:

	SOLTIS 86	SOLTIS 92	BLACK OUT B92	SERGÉ 5%	SERGÉ 1%	SOLTIS 7635	BLOCKOUT LUNAR	FLEXLIGHT LODGE 6002	CRYSTAL CLEAR
BASIC MATERIAL	Polyester	Polyester	Polyester	Glass fibre	Glass fibre	Glass fibre	Glass fibre	Polyester	Polyester
WEIGHT (G/M ²)	380	420	650	535	620	515	660	630	610
THICKNESS (MM)	0.43	0.45	0.60	0.55	0.80	0,73	0.78	0.55	0.50
FIRE CLASS EN 13501-1	B-s2,d0	B-s2,d0	B-s2,d0	C-s3,d0	C-s3,d0	C-s3,d0	-	B-s2,d0	-
FIRE CLASS NFP 92503 (F)	M1	M1	M2	M1	M1	M1	-	M2	M2
ROLL WIDTH (MM)	1770 / 2670	1770 / 2670	1770	1900 / 2700 / 3200**	2700	3200	2100	2600	1400
OPENING FACTOR	14%	3%	0%	5%	1%	5%	0%	0%	0%
GTOT*	0.15 - 0.22	0.05 - 0.15	0.02 - 0.05	0.01 - 0.10	0.05 - 0.09	0,04 - 0,08	0.02 - 0.09	-	-
WINDOW FILMS	-	-	-	X	X	-	-	X	X
STRIPE DIRECTION	Horizontal								
TREATMENT	Welded								

* This value indicates how much (heat) radiation the glass blocks.

The lower the Gtot value, the more solar thermal radiation the fabric and glass block.

** Standard roll width is 2700 mm. If a roll width of 3200 mm is required, please inform customer service.

► 1. Soltis 86 or Soltis 92 fabric

- Transparent and light-inhibiting fabric:
 - ✓ **made from polyester fibres:**
 - ✓ **stretched under great tension.**
- fixed with a Plastisol layer.
- The fabric is varnished on both sides: offers excellent protection against UV rays
 - ✓ **makes the fabric dirt-repellent.**
- With dual colour fabrics, the aluminium side is always on the outside or on the visible side.
- **Please note! Screens with a height greater than 1500/2400 mm come with a horizontal weld seam!**

► 2. Black out fabric

- Opaque, blackout fabric:
 - ✓ **made from polyester fibres:**
 - ✓ **stretched under great tension**
 - ✓ **fixed with a Plastisol layer.**
- **Please note! Screens with a height greater than 1430 mm come with a horizontal weld seam!**
- Fabric is suitable for both indoor and outdoor use.
- **Blackout film is positioned on the side of the window for all fitting types.**
- For exterior mounting, the bottom slat and the fabric may rise up slightly due to heavy wind loads. Which is why 100% blackout cannot be guaranteed at all times.
- For the Blackout fabrics the zippers are welded to the fabric on the window side.

► 3. Sergé 600 or 1% fabric

- Transparent and light-inhibiting fabric
- Woven with glass fibre yarn:
 - ✓ **precoated with a synthetic material based on polyvinyl chloride.**
 - ✓ **coloured in mass.**
 - ✓ **fixed with a Plastisol layer.**
- The front or right-hand side of the fabric goes on the outside or visible side.
- **Please note! For Sergé 600 fabrics, screens with a height greater than 1630/2430/2930 mm come with a horizontal weld seam; for Sergé 1% fabrics the same applies to heights greater than 2430 mm.**

► 4. Soltis 7635 fabric

- Transparent and light-inhibiting fabric
- Woven with glass fibre yarn:
 - ✓ **precoated with a synthetic material based on polyvinyl chloride.**
 - ✓ **coloured in mass.**
 - ✓ **fixed with a Plastisol layer.**
- The front or right-hand side of the fabric goes on the outside or visible side.

► 5. Blockout Lunar fabric

- Opaque, black-out fabric consisting of woven glass fibre yarns and a blackout film on the back.
- The glass fibre yarns are pre-coated with a synthetic material based on polyvinyl chloride, coloured in mass and fixed with a Plastisol layer.
- Fabric is suitable for both indoor and outdoor use.
- Blackout film is applied to the window side as standard for all fitting types.
- For exterior mounting, the bottom slat and fabric may rise up slightly in case of heavy wind loads. Which is why 100% blackout cannot be guaranteed at all times.
- For the Blockout Lunar fabrics, the zips on the Soltis are welded to the fabric on the window side.

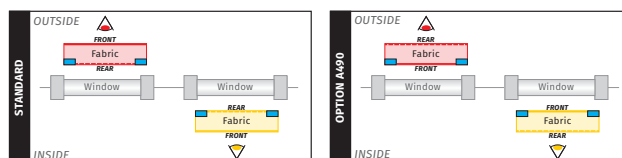
► 6. Flexlight Lodge 6002

- Opaque, translucent fabric:
 - ✓ **consisting of mesh fabric of polyester yarns stretched under tension**
 - ✓ **with matt PVC coating on both sides**
- **Please note! Screens with a height greater than 2400 mm come with a horizontal weld seam.**

► 7. Crystal Clear

- Fully transparent, non-light-inhibiting fabric:
 - ✓ **is a transparent PVC film**
- **Please note! Screens with a height greater than 1400 mm come with a horizontal weld seam!**

EXECUTION OF A FABRIC HEM AND TURNING OF THE FABRIC VIA OPTION A490



Key



- * Front for Serge 5% / Serge 1% / Soltis 7635
- * Soltis side for Black Out
- * Aluminium side for Soltis dual colour fabrics
- * Back for Serge 5% / Serge 1% / Soltis 7635
- * Foil side for Black Out
- * Colour side for Soltis dual colour fabrics



Reinforcement band / Zip

COOLSCREEN 8 LED

- The Coolscreen LED's lighting consists of a LED strip, a power supply (230 V AC - 24 V DC) and a receiver, as applicable. The power supply and the RTS or IO receiver, as applicable, are located in the box cover.
- The LED strip is glued into the recess of the box cover and runs across the Coolscreen's full width. Depending on the length at which the LED strip is cut, there may be less light at either end.
- The LED strip runs on 24 V and 9.6 W/m.
- Intended as mood lighting, the colour of the LED is white. (600 lumen/meter - 3000 K)
- The recess of the box cover is finished with a white diffuser.
- The controls of the LED lighting work independently of the controls of the Coolscreen.

► Operation

There are 3 possible options for controlling the LED lighting:

1. Standard LED (option A2659)

The supplied power cord can be connected to a control button.

2. LED with RTS operation (option A2660)

The lighting can be controlled with all RTS controls.

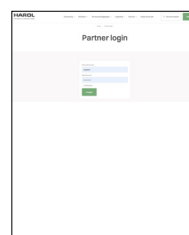
3. LED with dimmable IO control (option A2662)

The lighting can be controlled with Smoove IO controls.

ORDER FORM

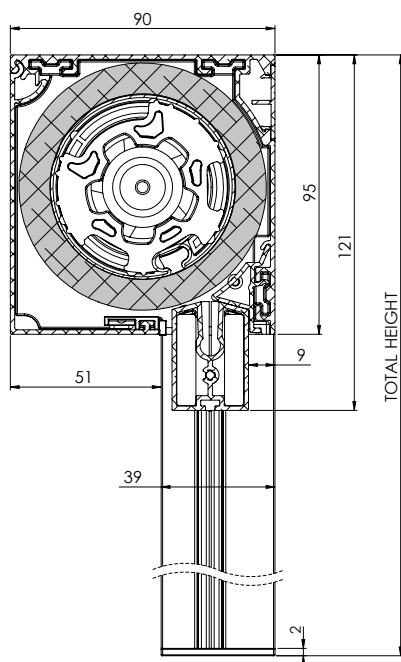
For digital drawings or more technical information, please visit the "Harol portal"

Contact our marketing department for login details or register online at the website www.harol.com

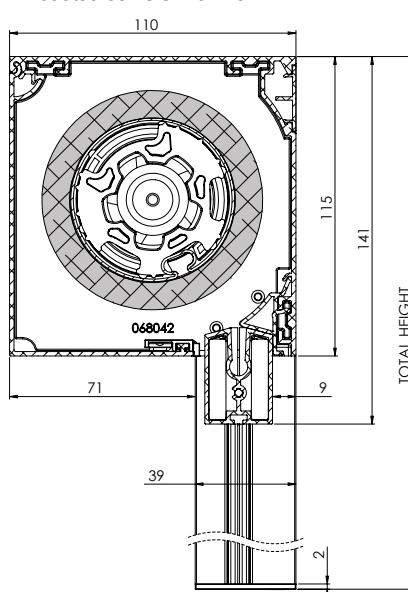


TECHNICAL DRAWINGS

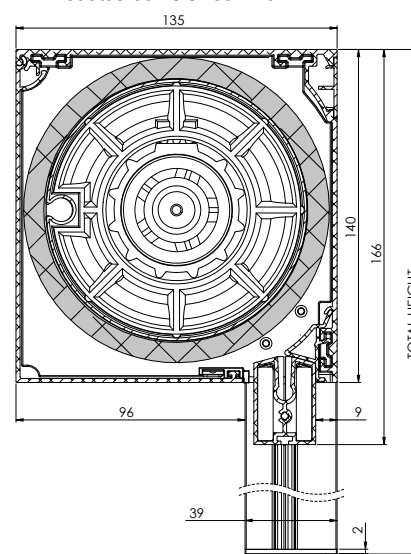
Coolscreen 8 S 90x95



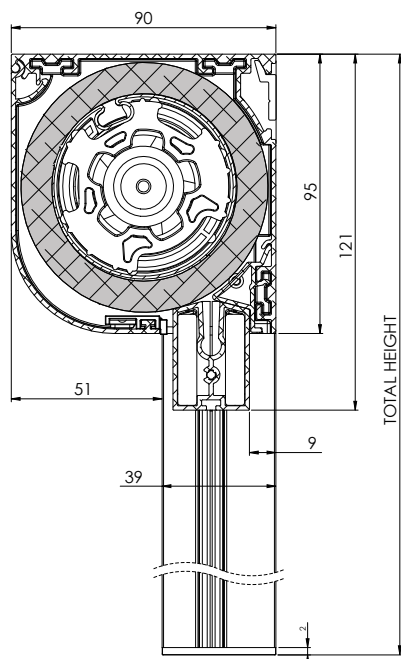
Coolscreen 8 S 110x115



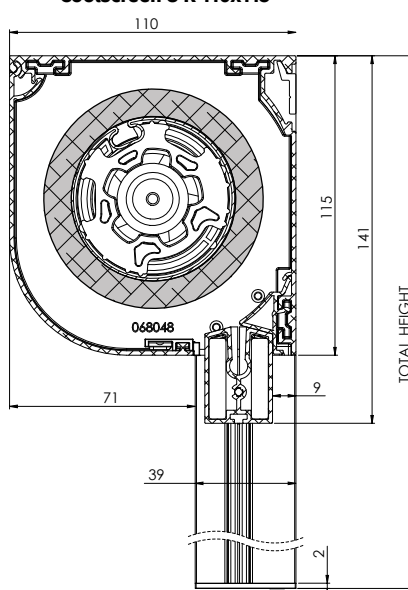
Coolscreen 8 S 135x140



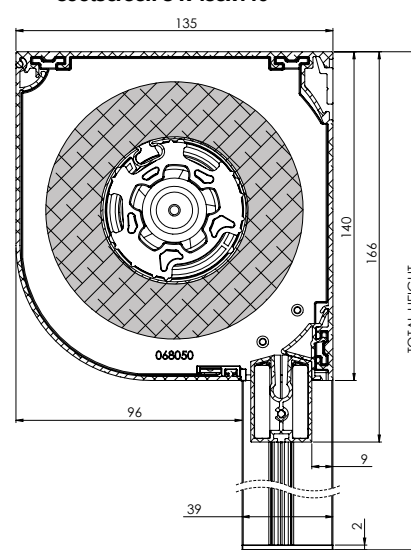
Coolscreen 8 R 90x95



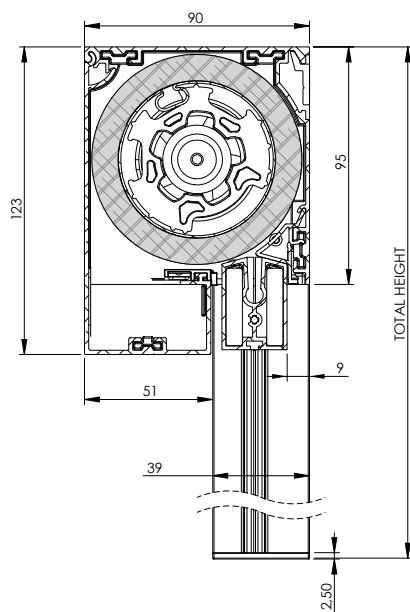
Coolscreen 8 R 110x115



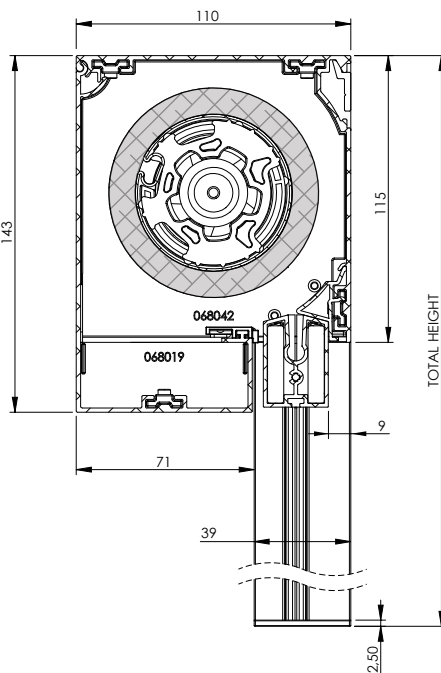
Coolscreen 8 R 135x140



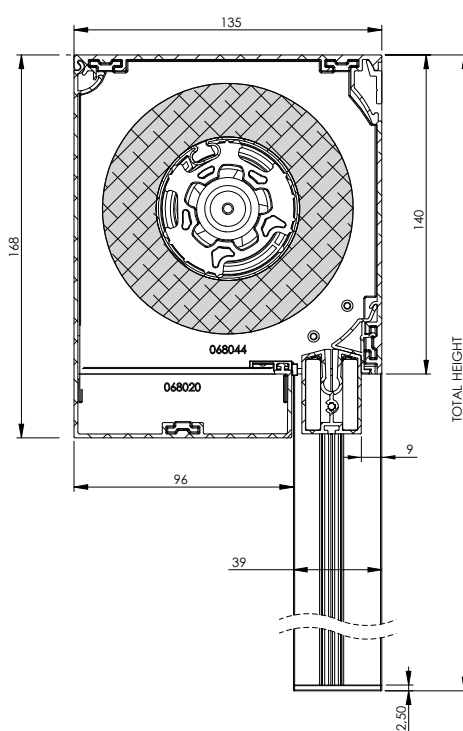
Coolscreen 8 Plus 90x123



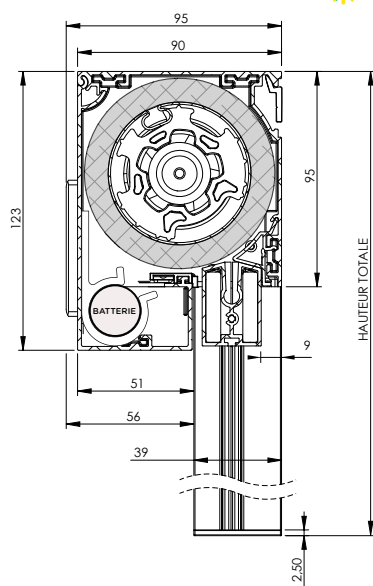
Coolscreen 8 Plus 110x143



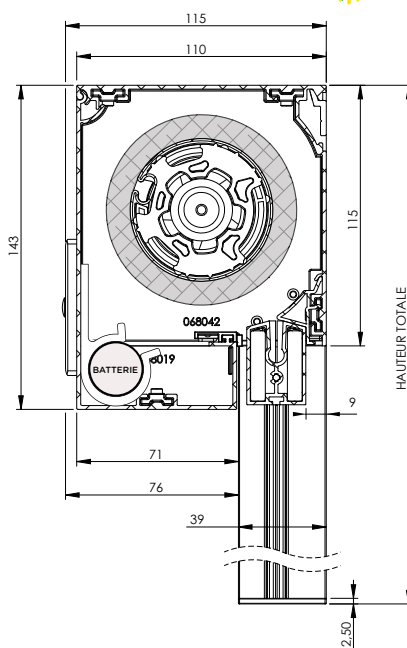
Coolscreen Plus 8 135x168



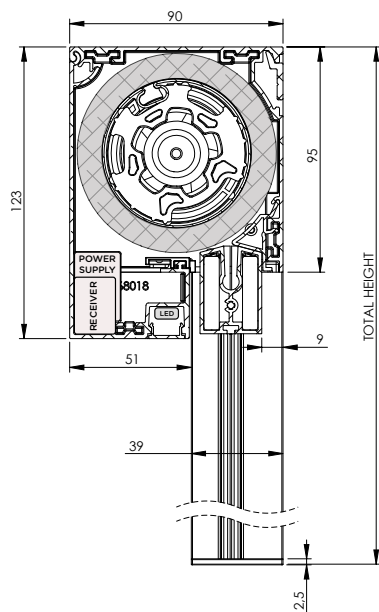
Coolscreen 8 Solar 90x123 ☀️



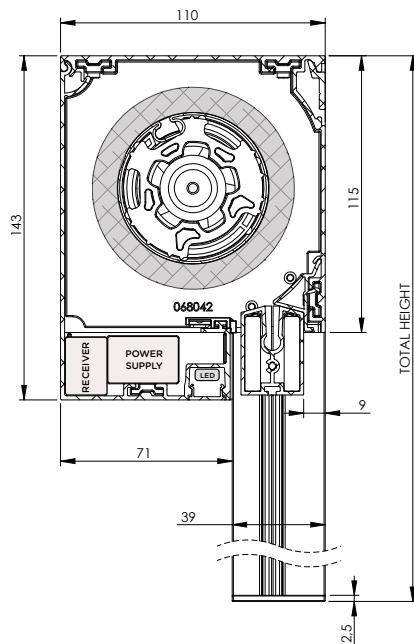
Coolscreen 8 Solar 110x143 ☀️



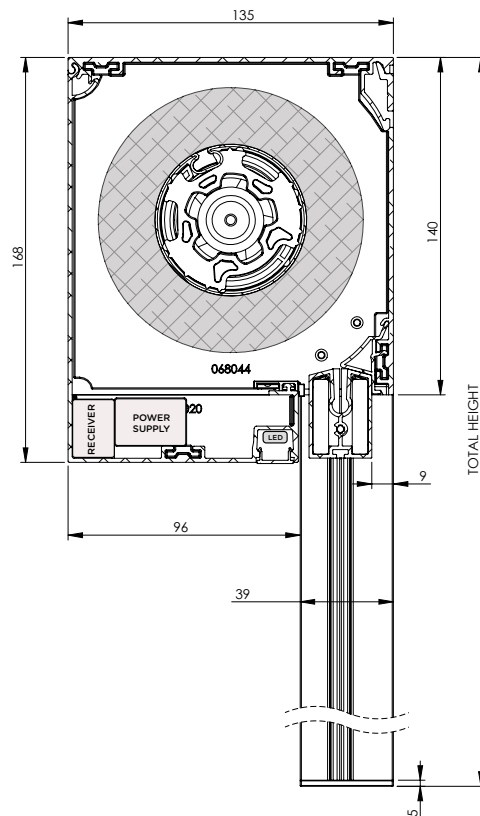
Coolscreen 8 LED 90x123



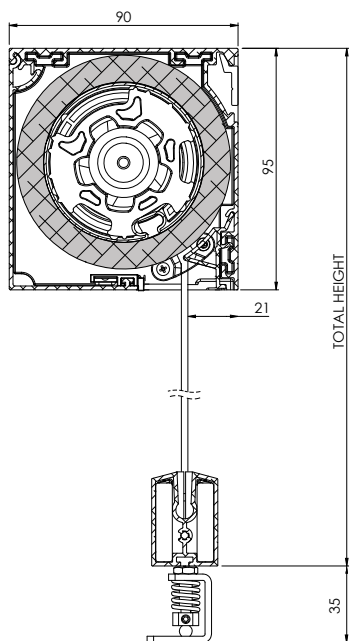
Coolscreen LED 8 110x143



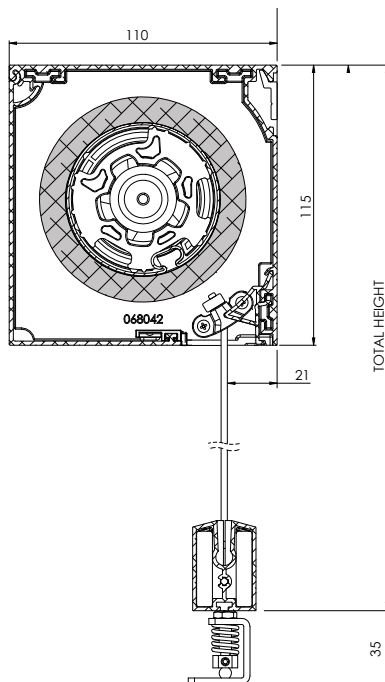
Coolscreen 8 LED 135x168



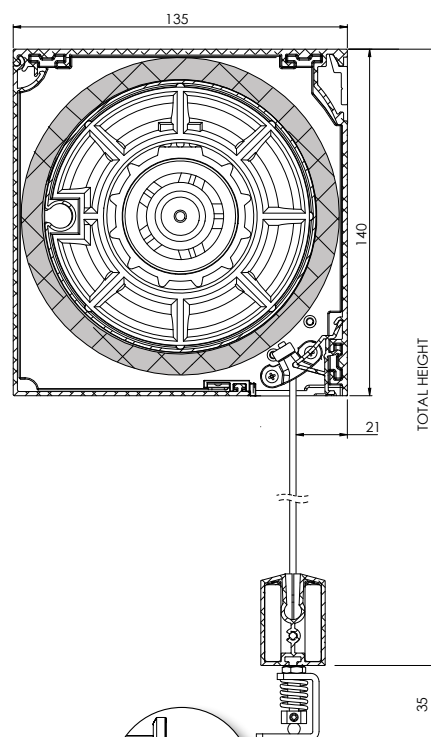
Coolscreen 7 90x95



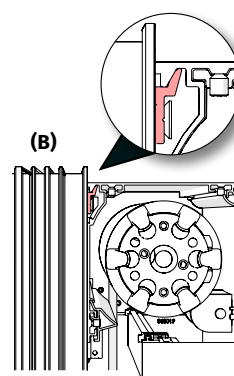
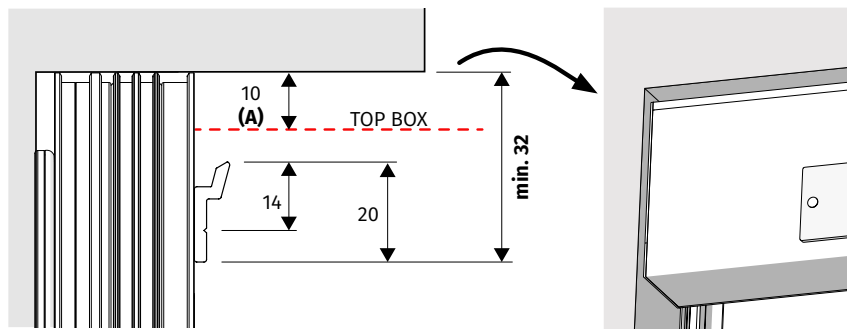
Coolscreen 7 110x115



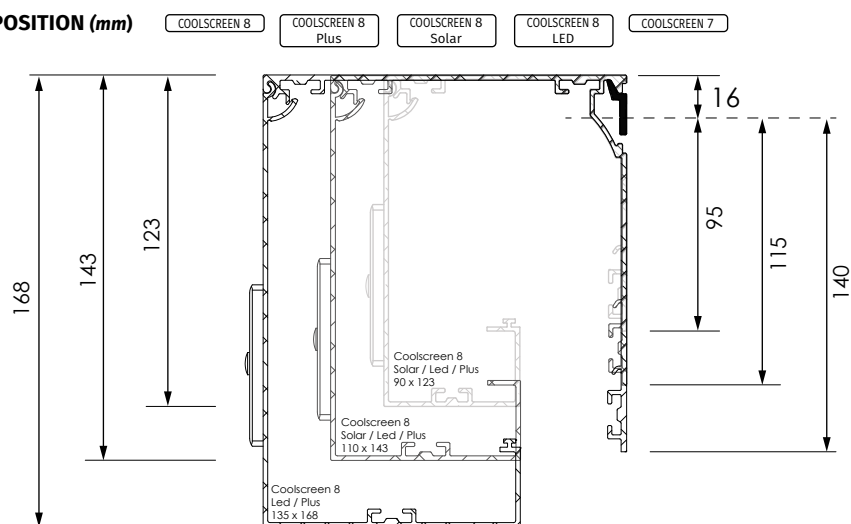
Coolscreen 7 135x140



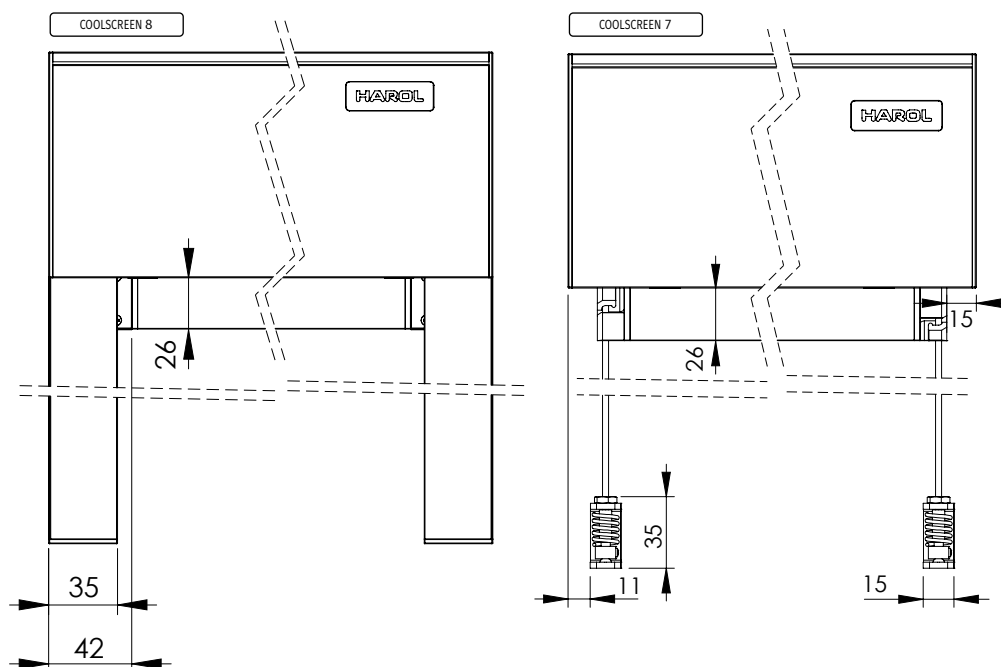
SPACE PROVIDED FOR MOUNTING WALL BRACKET (mm)



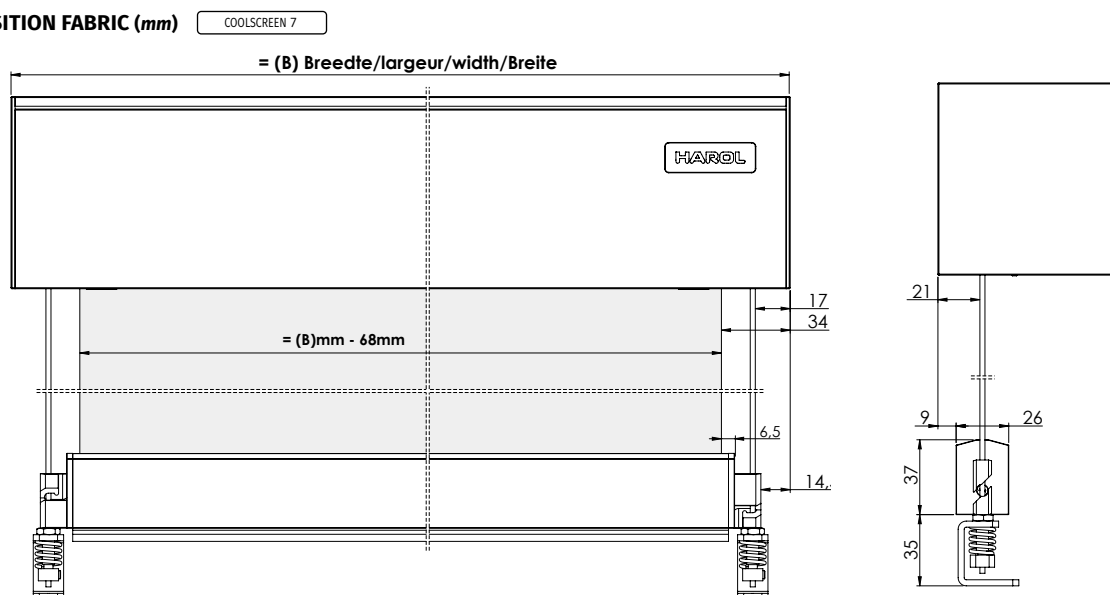
ASSEMBLY BRACKET POSITION (mm)



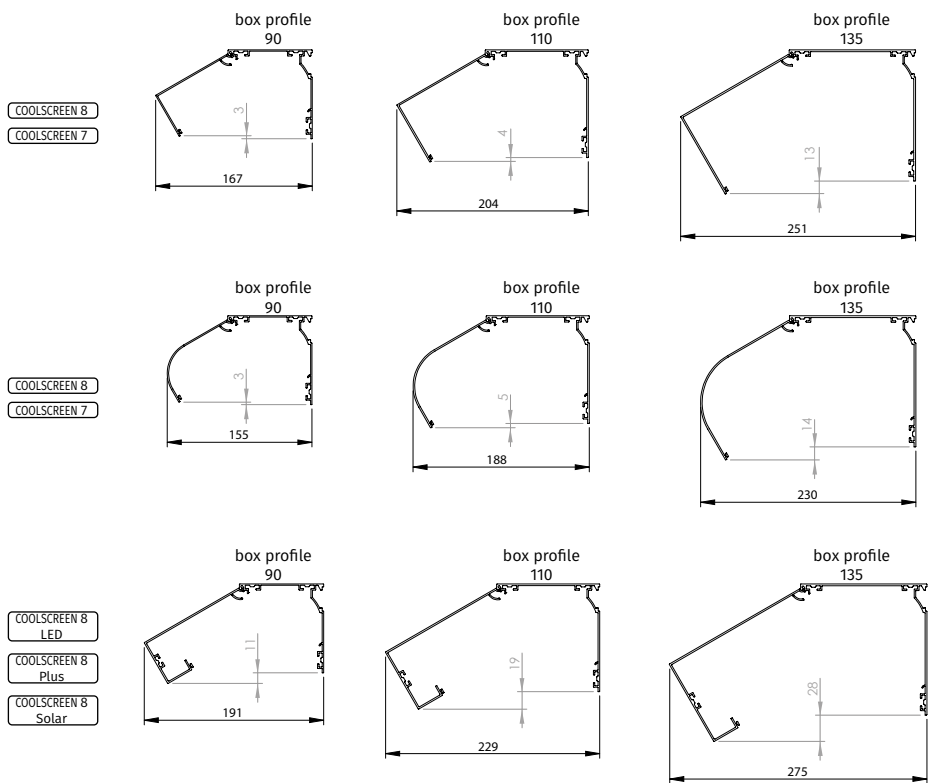
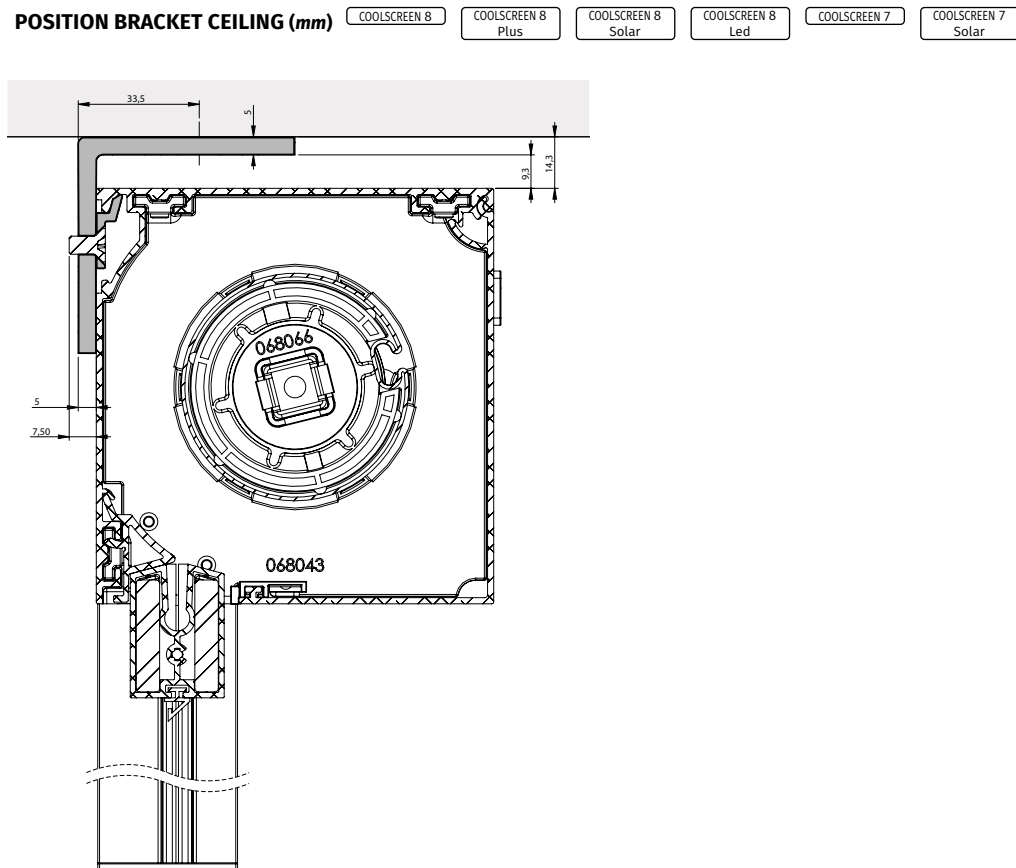
BOTTOM LATH POSITION (mm)



POSITION FABRIC (mm)



ALLOW FOR SPACE TO OPEN THE BOX (mm)

**POSITION BRACKET CEILING (mm)**

COOLSCREEN 8 / PLUS / LED

FABRIC	:	SOLTIS
OPERATION	:	Motor IO-50 (Standard)
SHAFT	:	Ø63 - Ø85 - Ø95

BOX	►CS8	: 90x95 - 110x115 - 135x140
	►CS8 PLUS / CS8 LED	: 90x123 - 110x143 - 135x168

SOLTIS

[illegible]

 BOX 90X95/125

 BOX 110X115/143

 BOX 135X140/168

■ BOTTOM LATH NOT POSSIBLE

63 IO OPERATION NOT POSSIBLE

 LIMIT FOR 10 NM SOLAR LIMIT FOR 15 NM SOLAR LIMIT FOR 20 NM SOLAR

COOLSCREEN 8 / PLUS / LED

SOLTIS

 BOX 90X95/125
  BOX 110X115/143
  BOX 135X140/168
  BOTTOM LATH NOT POSSIBLE

COOLSCREEN 8 / PLUS / LED

FABRIC	:	SERGÉ 5%
OPERATION	:	Crank handle operation
SHAFT	:	Ø63 - Ø85 - Ø95

BOX ▶ CS8 : 90x95 - 110x115 - 135x140
▶ CS8 PLUS / CS8 LED : 90x123 - 110x143 - 135x168

SERGÉ 5%

SERGE 5%

[illegible]

 BOX 90X95/125
  BOTTOM LATH NOT POSSIBLE

ROLL-UP TABLES

COOLSCREEN 8 / PLUS / LED

FABRIC : **SERGÉ 1%**
 OPERATION : **Motor IO-50 (Standard)**
 SHAFT : **Ø63 - Ø85 - Ø95**
 BOX ►CS8 : 90x95 - 110x115 - 135x140
 ►CS8 PLUS / CS8 LED : 90x123 - 110x143 - 135x168

SERGÉ 1%

SERGÉ 1%

	Height (mm)	Width (mm)																											Solar 10Nm					Solar 20Nm				
		575-629	630-700	800	900	1000	2000	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000	5100	5200			
Solar 10Nm	400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95				
	1000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95				
	1100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95	95				
	1300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	1400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	1500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	1700	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	1800	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	1900	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2200	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2600	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2700	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	2900	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	3000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	3100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
3200	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
3400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
3500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
3700	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
3800	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
3900	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
4000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
Solar 15-20Nm	4100		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4200		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4300		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4400		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4500		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4600		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4700		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4800		63	63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	4900			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
	5000			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95					
5100			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5200			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5300			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5500			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5600			63	63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5700				63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
5800				63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						
6000				63	63	63	63	63	63	63	63	63	63	63	85	85	85	85	85	85	85	85	85	85	85	85	85	95	95	95	95	95						

BOX 90x95/125 BOTTOM LATH NOT POSSIBLE LIMIT FOR 10 NM SOLAR
 BOX 110x115/143 63 IO OPERATION NOT POSSIBLE LIMIT FOR 15 NM SOLAR
 BOX 135x140/168 LIMIT FOR 20 NM SOLAR

COOLSCREEN 8 / PLUS / LED

FABRIC	:	SERGÉ 1%
OPERATION	:	Crank handle operation
SHAFT	:	Ø63 - Ø85 - Ø95
BOX	► CS8	: 90x95 - 110x115 - 135x140
	► CS8 PLUS / CS8 LED	: 90x123 - 110x143 - 135x168

SERGÉ 1%

SERGE 1%

[illegible]

 BOX 90X95/125

■ BOTTOM LATH NOT POSSIBLE

 BOX 110X115/143

 BOX 135X140/168

COOLSCREEN 8 / PLUS / LED

FABRIC	:	BLACK OUT
OPERATION	:	Motor IO-50 (Standard)
SHAFT	:	Ø63 - Ø85 - Ø95

BOX ►CS8 : 90x95 - 110x115 - 135x140
►CS8 PLUS / CS8 LED : 90x123 - 110x143 - 135x168

BLACK OUT

BLACKOUT

[illegible]

 Solar
10Nm

 Solar
15-20Nm

 BOX 90X95/125
 BOX 110X115/143
 BOX 135X140/168

 BOTTOM LATH NOT POSSIBLE
 63 IO OPERATION NOT POSSIBLE

 LIMIT FOR 10 NM SOLAR LIMIT FOR 15 NM SOLAR LIMIT FOR 20 NM SOLAR

COOLSCREEN 8 / PLUS / LED

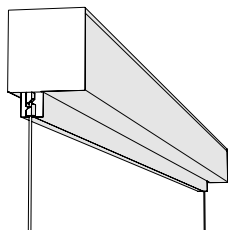
FABRIC	:	BLACK OUT
OPERATION	:	Crank handle operation
SHAFT	:	Ø63 - Ø85 - Ø95
BOX	▶ CS8	: 90x95 - 110x115 - 135x140
	▶ CS8 PLUS / CS8 LED	: 90x123 - 110x143 - 135x168

BLACK OUT

BLACKOUT

[illegible]

 BOX 90X95/125
  BOTTOM LATH NOT POSSIBLE



FABRIC : **SOLTIS**
 OPERATION : Crank handle operation
 SHAFT : Ø63 - Ø85
 BOX : CS 7 → 90x95
 → 110x115

SOLTIS																
Height	Width															
	400	500	600	1000	2000	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2400		63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2500		63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2600		63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2700		63	63	63	63	63	63	63	63	63	63	63	63	63		
2800		63	63	63	63	63	63	63	63	63	63	63	63	63		
2900		63	63	63	63	63	63	63	63	63	63	63				
3000		63	63	63	63	63	63	63	63	63	63					
3100		63	63	63	63	63	63	63	63	63						
3200		63	63	63	63	63	63	63	63							
3300		63	63	63	63	63	63	63								
3400			63	63	63	63	63									
3500			63	63	63	63										

BOX 90X95 BOX 110X115

FABRIC : **SERGÉ 5%**
 OPERATION : Crank handle operation
 SHAFT : Ø63 - Ø85
 BOX : CS 7 → 90x95
 → 110x115

SERGÉ 5%																
Height	Width															
	400	500	600	1000	2000	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2400		63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2500		63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2600		63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2700		63	63	63	63	63	63	63	63	63	63	63	63	63		
2800		63	63	63	63	63	63	63	63	63	63	63	63			
2900		63	63	63	63	63	63	63	63	63	63	63				
3000		63	63	63	63	63	63	63	63	63	63					
3100		63	63	63	63	63	63	63	63	63						
3200		63	63	63	63	63	63	63	63							
3300		63	63	63	63	63	63	63								
3400			63	63	63	63	63									
3500			63	63	63	63										

BOX 90X95 BOX 110X115

FABRIC : **SERGÉ 1%**
 OPERATION : Motor Sunea Solar 40 IO
 SHAFT : Ø63 - Ø85
 BOX : CS 7 → 90x95
 → 110x115
 → 135x145

SERGÉ 1%																
Height	Width															
	400	500	600	1000	2000	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
1000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1800	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
1900	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
2100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2300	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85
2600	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	
2700	63	63	63	63	63	63	63	63	63	63	63	63	63	63		
2800	63	63	63	63	63	63	63	63	63	63	63	63	63			
2900	63	63	63	63	63	63	63	63	63	63	63	63				
3000	63	63	63	63	63	63	63	63	63	63	63					
3100	63	63	63	63	63	63	63	63	63	63						
3200	63	63	63	63	63	63	63	63								
3300	63	63	63	63	63	63	63									
3400	63	63	63	63	63	63										
3500	63	63	63	63	63											

BOX 90X125

BOX 110X143

BOX 135X168

FABRIC : **SERGÉ 1%**
 OPERATION : Crank handle operation
 SHAFT : Ø63 - Ø85
 BOX : CS 7 → 90x95
 → 110x115

SERGÉ 1 %																
Height	Width															
	400	500	600	1000	2000	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500
400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1100	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1400	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1500	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1800	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	85
1900	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	
2000	63	63	63	63	63	63	63	63	63	63	63	63	63	63	85	
2100	63	63	63	63	63	63	63	63	63	63	63					
2300	63	63	63	63	63	63	63	63	63	63	63					
2400	63	63	63	63	63	63	63	63	63	63	63					
2500	63	63	63	63	63	63	63	63	63	63						
3000	63	63	63	63	63	63	63	63	63	63						
3100	63	63	63	63	63	63	63	63	63							
3200	63	63	63	63	63	63	63	63	63							
3300	63	63	63	63	63	63	63	63								
3400	63	63	63	63	63	63	63									
3500	63	63	63	63	63											

BOX 90X95

BOX 110X115

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