pleated blinds
specification sheet

Luxaflex®
WINDOW FASHIONS

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SPECIFICATION SHEET

Front loading cord lock reduces light gaps

Pleated Blinds

Pleated Blinds are made from 100% woven polyester or trevira and are backed with a thin layer of aluminium. This unique invention combines the decorative qualities of fabric with the strong protection of alumnium.

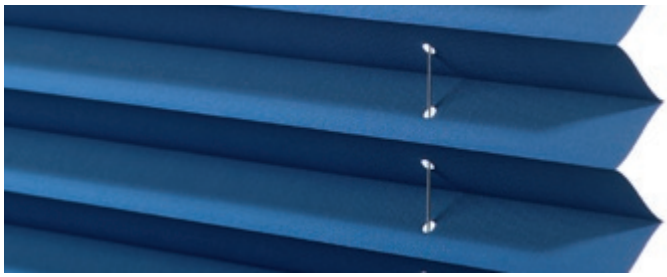
All fabrics are available in 9 colours.

Fabric Range

816 Transparent fabric is made out of 100% trevira CS Polyester. This flame retardant fabric complies to Australian and European standards. 816 transparent fabric provides the maximum benefit of natural daylight all year round, whilst minimising heat loss in winter. The aluminium layer on the outside reflects solar energy (heat) in summer, and keeps warmth inside in winter.

812 Semi-transparent fabric is made out of 100% Trevira CS Polyester. This flame retardant fabric complies to Australian and European standards. 812 semi-transparent fabric removes annoying uncomfortable glare and reflection on computer screens. At the same time metallised backing will prevent instant heat gain to a large extent, so that it is a valuble contribution to climate control in the office.

878 Non transparent is made out of 100% trevira CS Polyester. This flame retardant fabric complies to Australian and European standards. 878 Non transparent fabric provides privacy and increased room darkening. Where high temperatures, intense light levels and glare combine to make offices unbearable, 878 Non transparent fabric offers very high reflective and insulative properties.



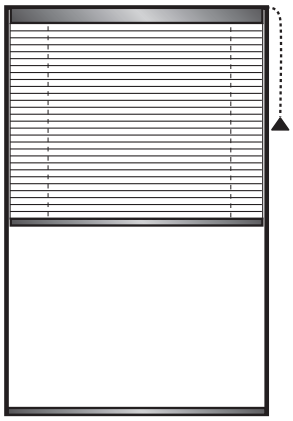
Solar properties of the fabrics, measured at 45° degrees incidence

Quality	Transmission		Reflection		Absorbtion		Shading
	Solar	Light	Solar	Light	Solar	Light	coefficient
816 FR	29%	29%	44%	43%	27%	28%	.51
812 FR	9%	9%	64%	63%	27%	28%	.32
878 FR	4%	4%	68%	67%	28%	29%	.28

Fabric specification

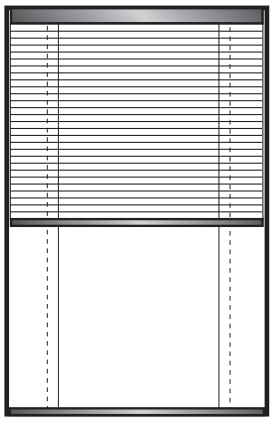
Quality	Fibre content	Metallisation	Weight in g/m2	Flame-retardant to DIN 4102B1	Colourfastness to ISO 105-B02		Aluminium adhesion ISO 2409 Classification 0	Anti static	Formaldehyde free	PVC free
					Colour	Metal				
816 FR	100% Trevira CS	Yes	70	Yes	>5	8	Yes	Yes	Yes	Yes
812 FR	100% Trevira CS	Yes	95	Yes	>5	8	Yes	Yes	Yes	Yes
878 FR	100% Trevira CS	Yes	142	Yes	>5	8	Yes	Yes	Yes	Yes

SPECIFICATION SHEET



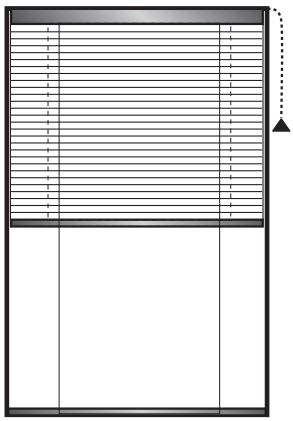
1. STANDARD operation with front loaded cord lock.

MAXIMUM: ..... WIDTH **3400** . .DROP **3200**
MINIMUM: ..... WIDTH **300** . . .DROP **300**
FACTORY DEDUCTIONS: . WIDTH **10** . . . .DROP **N/A**
(inside & outside fit) Maximum area 12 sq m



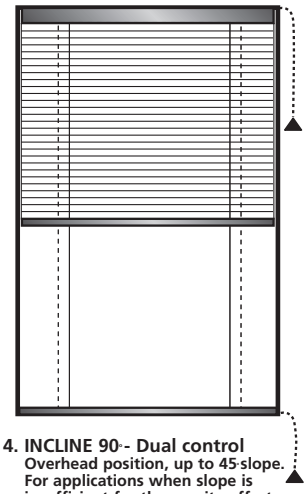
2. INCLINE 45°- No side guides Overhead position. Hand or pole operated. Will stop in any position.

MAXIMUM: .....WIDTH 2500. . DROP 3000
MINIMUM: .....WIDTH 300 . . DROP 300
FACTORY DEDUCTIONS: .WIDTH 10 . . . . DROP N/A
(inside & outside fit) Maximum area 7.5 sq m



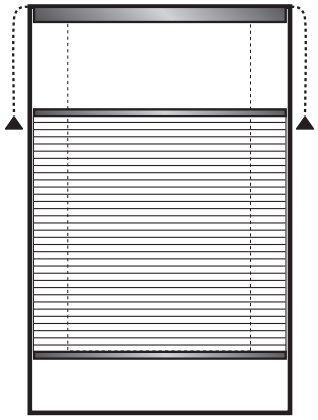
3. INCLINE 90°- No side guides Overhead position. Cord operated, drops by gravity needs a minimum 45° slope.

MAXIMUM: ..... WIDTH 2500 . . DROP 3000
MINIMUM: ..... WIDTH 300 . . . DROP 300
FACTORY DEDUCTIONS: WIDTH 10. . . . . DROP N/A
(inside & outside fit) Maximum area 7.5 sq m



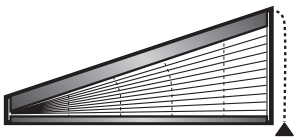
4. INCLINE 90°- Dual control Overhead position, up to 45° slope. For applications when slope is insufficient for the gravity effect. Cord operated, one up, one down.

MAXIMUM: ..... WIDTH 2500 . . DROP 3000
MINIMUM: ..... WIDTH 300 . . . DROP 300
FACTORY DEDUCTIONS: . WIDTH 10. . . . . DROP N/A
(inside & outside fit) Maximum area 7.5 sq m



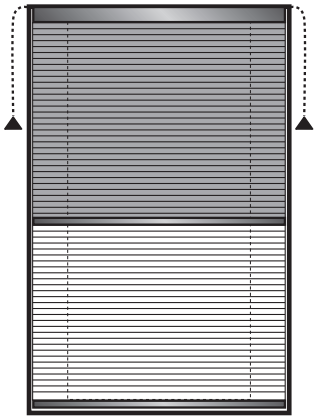
5. DUO - Top down & Bottom up Can be lowered from top or pulled up from bottom.

MAXIMUM: ..... .WIDTH **3400** . DROP **3200**
MINIMUM: ..... .WIDTH **300** . . DROP **300**
FACTORY DEDUCTIONS: .WIDTH **10** . . . . DROP **N/A**
(inside & outside fit) Maximum area 10 sq m



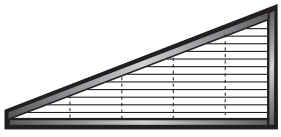
8. TRIANGULAR CORD OPERATED (Template required)

MAXIMUM: . . . . WIDTH **2500** . . . .DROP **1600**
MINIMUM: . . . . . WIDTH **300** . . . .DROP **300**
FACTORY DEDUCTIONS: . . . . . .WIDTH **N/A**
DROP N/A
(inside & outside fit) Maximum area 4 sq m



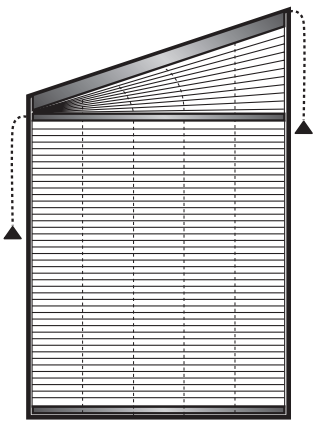
6. DAY & NIGHT Uses 2 fabrics, sheer and block out, (Block out always at top).

MAXIMUM: ..... WIDTH **3400** . .DROP **3200**
MINIMUM: ..... WIDTH **300** . . .DROP **300**
FACTORY DEDUCTIONS: . WIDTH **10** . . . .DROP **N/A**
(inside & outside fit) Maximum area 7 sq m



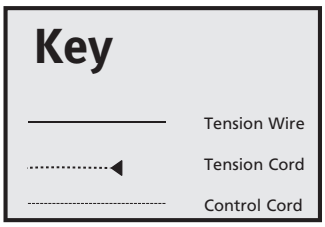
9. TRIANGULAR FIXED (Template required) Can be used in overhead applications.

MAXIMUM: ..... WIDTH **2000** . . DROP **1600**
MINIMUM: ..... WIDTH **300** . . . DROP **300**
FACTORY DEDUCTIONS: . WIDTH **N/A** . . . DROP **N/A**
(inside & outside fit) Maximum area 3.2 sq m



7. TRIANGLE PLUS Max slope 30° For windows with sloping top, blinds cord operated separately.

MAXIMUM: ..... WIDTH **2500** . . DROP **2500**
MINIMUM: ..... WIDTH **300** . . . DROP **300**
FACTORY DEDUCTIONS: WIDTH **N/A** . . . DROP **N/A**
(inside & outside fit) Maximum area 6.25 sq m



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SPECIFICATION SHEET

HEADRAIL

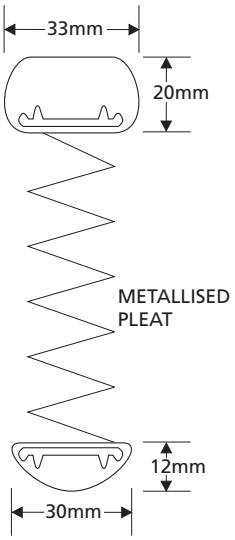
- Manufactured from extruded aluminium alloy.
- Asymmetric profile
- Wall thickness 1.5mm
- Width 33mm
- Height 20mm

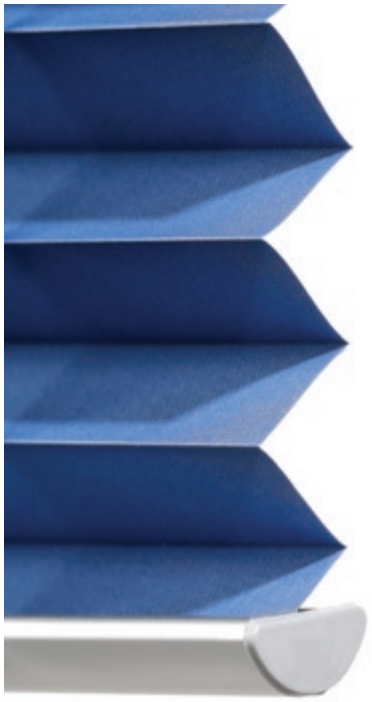
BOTTOM RAIL

- Manufactured from extruded aluminium alloy
- Segment of circle profile
- Wall thickness 1.5mm
- Width 30mm
- Height 12mm

RAIL COLOURS

- Silver anodised
- Ebony powder coated
- Wedgewood powder coated
- Moss green powder coated
- Sandy beige powder coated





Asymetrical bottom rail

INNER RAIL INSERT

Manufactured from uv stabilised Acrylonitrile Butadiene Styrene. (ABS) Plastic.

END CAPS

Manufactured from UV Stabilised Polymer acrylic.

LIFT CORDS

Braided polyester. Minimum diameter 2.2mm

BLIND CORDS (run through fabric)

Braided polyester. Minimum diameter 1.0mm

CORD LOCK (ULTUM / PPS - Fortran)

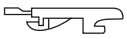
Front mounted colour grey with colour co ordinated cover plate.

INSTALLATION BRACKET

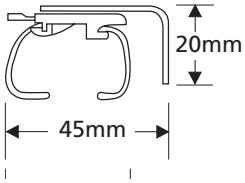
Electroplated steel top or face fixing concealed when installed.

Fabric is attached to this plastic extrusion and then held in position with end caps

A) Top fixing / Inside fixing



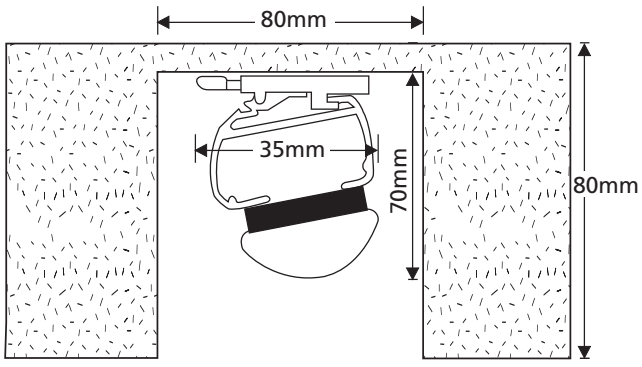
B) Top fixing bracket with clip on face mounting extension



RECESSED HEAD DETAIL

RECESS SIZE

- 80mm x 80mm



SPECIFICATION SHEET

Integrated and thermal optical properties	Fabric density	816 Transparent	
	Fabric colour	000	
	Solar transmittance	29%	
	Solar reflectance outside	44%	
	Solar absorbtance	27%	
	Luminous transmittance	29%	
	Luminous reflectance outside	43%	
	Luminous absorbtance	28%	
	UV transmittance	27%	
	Openness factor (nominal)	23%	
	Ra[Colour rendering index]	98	
Glazing Type		Single 3mm Clear Glass	Solar Control Glazing
	Light transmittance	28%	22%
	G-value	44%	24%
	Shading coefficient	51%	28 %
	U-value (W/m^2K)	2.5	0.8
Fabric	Yarn composition: Trevira CS	Weight (g/m^2): 70	Thickness (mm): 0.23
Aluminium adhesion		ISO 2409 classification 0	
Aluminium retention	Water vapour test	Percentage loss aluminium	
		After 30mins - 0% After 2hrs - 50%	
	Sulphur dioxide test	Percentage loss aluminium	
		After 3hrs - 0% After 5hrs - 40%	
Pleat retention	AWTA test - 100% heat applied to 30 pleats	Retention - 10 pleats	
Corrosion resistance		Metal layer EN ISO 3231	
Noise reduction	ASTM test C423-84a	Coefficient of 0.35 sabin/sq.ft	
Colour fastness DIN 54004		Colour >5 Metal 8	
816 fabric is Anti static, PVC Free and Formaldehyde Free			
Flame retardancy AS1530.3-1989	Ignitability index	0	Range [0–20]
	Spread of flame index	0	Range [0–10]
	Heat evolved index	0	Range [0–10]
	Smoke developed index	0-1	Range [0–10]

No Blind | Transparent | Semi Transparent | Non Transparent | Blockout

FABRIC INFORMATION

Flame Retardant

TRANSPARENT - Metallised

SYSTEMS AVAILABLE

Roller Blinds

Pleated Blinds

FEATURES

816 is a highly transparent, metal backed fabric, woven from 100% Trevira CS and is inherently fibre flame retardant. 816 provides excellent vision out, heat control in summer and insulation against heat loss in winter.
816 offers high performance, independent of colour.

816 is woven to 2200mm in width and designed specifically for pleated, roller, twin and motorised blind systems.

Note: All presented data calculated in WIS 3.0.1 (Advanced Windows Information System) with spectral data. Specifications and other data are based on information available at the time of preparation of this document and are subject to production tolerances and/or change without prior notice. Fire retardancy information is sourced from AWTA testing results. Please note that test results may vary slightly depending on fabric colour. [Solar Control Glazing EN 13363-2, ISO 15099, Measurements according to EN410], [3mm Single Glass(Pilkington OpCl_3.plg) according to EN410, ISO 9050 and ISO 15099 without ventilation].

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