TranquilGuard

BY PENTAGON

EXPAND POSSIBILITIES

COMMERCIAL

TRANQUILITY BY DESIGN

3 **PROTECT** your working staff from solar glare

2 **SHADE** your office space from damaging sunlight

1 **SCREEN** your restaurant patio or outdoor eating area
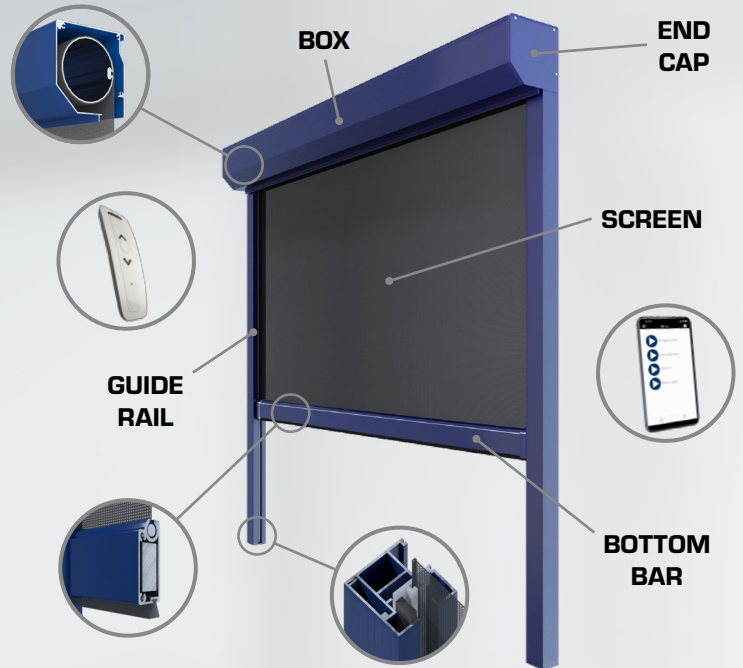
RETRACTABLE SCREENS

OPERATION

- Minimal size, high-tech extruded aluminum housing
- Simple operation, controlled by switch, remote, Wi-Fi, or app
- Safe, long-lasting performance with the latest in motorized technologies
- 2-part guide rails for a clean install and enduring serviceability
- Maximum energy conservation while creating blissful spaces
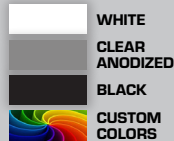
MATERIALS

- Extensive variety of beautiful fabric designs and color options
- Gorgeous selection of low maintenance materials
- Commercial grade aluminum - Environmentally friendly material with positive effects during production and long-term operation
- High strength screen textile is resistant to deformation, even under heavy load
- Textile is zip secured to guide rails providing extra strength
- Wide range of fabric shine and coating grades guarantees a premium and long lasting finish

BOX
END CAP
SCREEN
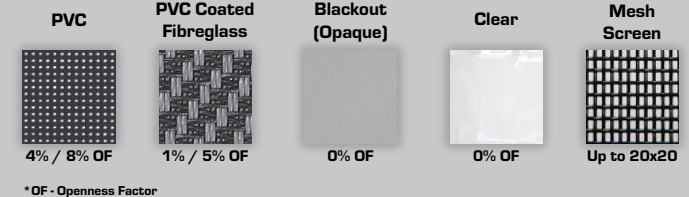**GUIDE RAIL**
BOTTOM BAR

FRAME COLOR OPTIONS

- Choice of standard colors, or custom colors available
- High quality finishes with excellent durability
- Next generation double layer surface powder coating

WHITE
CLEAR ANODIZED
BLACK
CUSTOM COLORS

SCREEN TEXTILE OPTIONS

PVC	PVC Coated Fibreglass	Blackout (Opaque)	Clear	Mesh Screen
4% / 8% OF	1% / 5% OF	0% OF	0% OF	Up to 20x20

*OF - Openness Factor

1 SCREEN

- Superior insect protection and increased privacy
- Textiles available to block all insects, even annoying "no-see-ums"
- Industry leading wind limits of up to *90 mph (145 km/h)

2 SHADE

- Includes optimum anti-glare technology
- Saves heating and cooling costs by regulating room temperatures
- Heat input can be adjusted making it even more energy efficient

3 PROTECT

- Repels water, UV rays, mold, and dirt through state-of-the-art innovations
- Significantly reduces the amount of solar radiation and UV damage
- Enjoy natural daylight and embrace your spectacular view

*Depending on size and installation location

SCREEN TEXTILES AND SIZING

Pentagon TranquilGuard screen fabrics are sourced from the leading textile mills from around the globe to ensure we supply the best quality products to enhance your tranquility and provide you with the best experience and long term satisfaction.

SHADE 80

Material Description	Thickness	Openess
Shade 80 offers a perfect balance between design, transparency, and thermal comfort. This micro-perforated screen has a regular weave, making it ideal for indoor and outdoor shades.	0.45 mm 0.018 In	8%

SHADE 90

Material Description	Thickness	Openess
Shade 90 is similar to Shade 80, featuring a lower openness factor with the same balance between design, transparency, and thermal comfort. This micro-perforated screen has a regular weave, making it ideal for indoor and outdoor shades.	0.45 mm 0.018 In	4%

SHADE 95 PLUS

Material Description	Thickness	Openess
Shade 95 Plus enables total darkness, blocking 100% of UV, heat, and light. This opaque fabric is suitable for both indoor and outdoor use.	0.60 mm 0.024 In	0%

CLEAR PLUS

Material Description	Thickness	Openess
Clear Plus features a transparent PVC resin film with a low thermal conductivity, ideal to protect outdoor structures from wind and rain. UV resistant tested for sun exposure. Combine with other textiles for maximum size.	0.50 mm 0.020 In	0%

INSECT PLUS

Material Description	Thickness	Openess
Insect Plus keeps you, your family, and your space safe and insect-free. These screens will bar insects from indoor spaces without compromising on light, ventilation, insulations, and great looks.	0.25 mm 0.010 In	18x16 20x20

FRAME AND SCREEN SIZING

Box Size	Guide Rail Size	Bottom Bar Height	Minimum Screen Size	Maximum Screen Size	Maximum Screen Area
4 in (105 mm)	1.5 in (37.5 mm)	1.75 in (44 mm)	W - 28 in (71 cm) H - 12 in (30 cm)	W - 13 ft (400 cm) H - 19 ft (580 cm)	129 sqr. ft (12 sqr. m)
5 in (125 mm)	1.5 in (37.5 mm)	1.75 in (44 mm)	W - 28 in (71 cm) H - 12 in (30 cm)	W - 19 ft (580 cm) H - 19 ft (580 cm)	161 sqr. ft (15 sqr. m)

Pentagon
SECURITY SHUTTERS