

MIY RETRACTABLE ROOFS

The Range, Installed.

Three premium retractable roof systems — custom-built and installed
across Perth and the South West.

TERA · GRAND LOUVRE · SMART LOUVRE
EDITION · 2026

INSTALL

Premium retractable roofs, fitted by our own team.

We design, build and install premium retractable roof systems across Perth and the South West. Every system is custom-made in our Canning Vale workshop, motorised, powder-coated in Dulux, and fitted by our own install team — from first measure right through to commissioning.

Whether you're covering a residential alfresco, a poolside courtyard or a hospitality venue, we'll match the right system to your space, your budget and your weather. No off-the-shelf kits, no third-party installers.

What a fitted install includes

- Full design and engineering certification where the build requires it
- Steel fabrication, earthworks, electrical and plumbing handled in-house or through trusted trade partners
- Council permit assistance and architect or project-manager collaboration
- One project manager from first measure through to final commissioning
- Built and powder-coated in our Canning Vale, WA workshop
- Free on-site measure and quote — no obligation

Three systems, three jobs

Different outdoor spaces need different roofs. We carry three retractable systems, each engineered for a specific use case. The right one for your space depends on the span you need to cover, how often you want the roof open, and how much weather you need to keep out.

SYSTEM	BEST FOR	CHOOSE WHEN ...
TERA	Fabric Retractable Roof	Large spans, full waterproof cover, soft architectural ceiling.
Grand Louvre	Opening Louvred Roof	Adjustable aluminium blades for shade, ventilation and rain control.

SYSTEM	BEST FOR	CHOOSE WHEN...
Smart Louvre	Fully Retractable Louvred Roof	Premium blades that retract completely, with integrated LED and insulation.

TERA

The all-weather fabric roof — full waterproof cover when closed, fully retracted when you want the sky.

OVERVIEW

TERA is our flagship fabric retractable roof — designed for large alfrescos, restaurants, courtyards and rooftops where you need a clean architectural ceiling that fully retracts when the weather's right. A single motor drives a set of conveyor rafters that fold a waterproof fabric concertina-style toward the back of the system. You get full waterproof shelter when it's closed and an open ceiling when it's open.

TERA's fabric retractable system carries our Cyclone Rated Performance specification, engineered to withstand winds of up to 110km/h — making it our go-to system for exposed sites and large hospitality builds.

Best for

- Wide-span residential alfrescos and entertaining areas
- Hospitality, restaurant and café outdoor seating
- Rooftop terraces and large patios where aluminium-blade systems are too heavy
- Sites where a softer architectural ceiling is preferred over visible louvre blades

Key features

- Spans up to 30 metres wide (multi-bay configurations)
- Projections up to 10 metres
- Modular layouts — 1 module (2–5m), 2 module (5–9m), 3 module (9–13m)
- Single motor driving two to four conveyor rafters
- Waterproof PVC-coated fabric with integrated guttering each side
- Cyclone Rated Performance — engineered to withstand winds up to 110km/h
- Powder-coated aluminium frame in Dulux colour range
- Optional LED lighting integrated into the perimeter beam
- Fully motorised remote operation

- Residential and commercial applications

How it works

A motor at one end of the system drives a series of conveyor rafters that travel the length of the roof, pulling the waterproof fabric out of its stowed position and tensioning it across the frame. When you retract the system, the rafters fold the fabric back into a compact stack at one end, leaving the ceiling open to the sky. Integrated gutters at each side channel rainwater away from the space below — no separate downpipes cluttering the architecture.

Profile specifications

Rafter	80 × 125 mm aluminium extrusion
Post	80 × 120 mm aluminium extrusion
Gutter	145 × 160 mm with integrated drainage channel
Fabric support	37.6 × 65 mm
Puller profile	80 × 55 mm
Frame material	Aluminium 6000-series, powder-coated
Wind rating	Engineered to withstand winds up to 110km/h (cyclone rated performance)

Grand Louvre

Aluminium blades that rotate from closed to wide open — shade, ventilation and rain control from a single roof.

OVERVIEW

Grand Louvre is our opening louvred roof — a fixed-frame aluminium structure where the blades rotate to give you full control over sun, shade and ventilation. Close them tight for rain protection. Tilt them open for airflow under sun cover. Open them wide for full sun and sky.

Built for residential alfrescos and outdoor entertaining where you want a permanent architectural roof structure with the climate control of an opening louvre system. Each system runs on linear actuator motors sized to the bay.

Best for

- Residential alfrescos and outdoor kitchens
- Poolside courtyards and entertaining areas
- Outdoor dining at restaurants and cafés
- Architect-led builds where a permanent louvred ceiling is part of the design

Four operating modes

- Closed — full rain protection with integrated guttering
- Sun ventilation with rain protection — blades partially open, angled to shed water
- Ventilation with sun protection — blades angled for airflow while filtering direct sun
- Full open — blades opened to 125° for clear sky and maximum sun

Key features

- Aluminium 6000-series frame and blades
- Blade rotation up to 125° (well past horizontal)

- Powder-coated in Dulux Duralloy range — 13 standard colours, custom finishes available on request
- Linear actuator motors (450N–2000N) sized to the system
- UV-stabilised plastic components, stainless steel hardware
- System widths from 1,000mm up to 4,500mm per bay (we recommend up to 3,500mm for best blade performance)
- Projection coverage from 2,028mm to 6,174mm (10 to 31 blades)
- Integrated guttering on each side
- Long-span systems available for larger spaces
- Fully motorised, remote operation

Profile specifications

Post	100 × 130 mm aluminium extrusion
Blade	205 × 35 mm aluminium louvre
Gutter	145 × 154 mm with integrated drainage channel
Blade rotation	Up to 125° from closed
System width	1,000mm – 4,500mm per bay (recommended up to 3,500mm)
Projection range	2,028mm – 6,174mm (10 to 31 blades)
Frame material	Aluminium 6000-series, powder-coated in Dulux Duralloy
Motors	Linear actuator, 450N – 2000N (sized to system)

Smart Louvre

The premium retractable louvre — opens completely to sky, insulated and illuminated when closed.

OVERVIEW

Smart Louvre is our top-tier louvred roof, engineered to give you the look and feel of an architectural ceiling with integrated LED lighting, thermal insulation, water gutters and acoustic dampening — then retract the blades entirely when you want to open the space to the sky.

It's the system we recommend when one roof needs to do everything: weatherproof shelter, climate control, mood lighting and full open-air entertaining. Available in single, double or triple-rail configurations to suit larger spans, and with straight or inclined structural options for architectural builds.

Best for

- Premium residential alfrescos and outdoor rooms used year-round
- Hospitality venues that need climate control and ambience in one system
- Architect-led builds with high specification requirements
- Larger spaces needing single, double or triple-rail configurations
- Sites where you want the option of straight or inclined structures

Key features

- Fully retractable blade system — open the roof completely or close it instantly
- Aluminium 6063 and 6N01 frame with SUS304 and SUS316 stainless steel hardware
- Single, double or triple-rail configurations — approximately 3,500mm, 6,000mm or 8,000mm widths
- Projection from 2,000mm up to 7,000mm
- Heat and water insulation via integrated water gutters and weather gaskets
- Acoustic insulation — reduces external noise transfer

- Integrated LED lighting hard-wired through the gutter (4000–4500K, 24V, remote-controlled)
- Single or hard-wired double motors available
- Fire retardant frame materials
- Wind resistant — Beaufort Scale 6 rated
- Powder-coated in Dulux Duralloy and Durotec colour ranges
- Straight or inclined structural options
- 5-year warranty (T&Cs apply)

Profile specifications

LED gutter & cover	180 × 154 mm gutter / 148 mm cover with integrated LED channel
Conveyor rafter	100 × 155 mm
Post	100 × 130 mm
Louvre blade	252 mm wide aluminium louvre
Frame material	Aluminium 6063 / 6N01, powder-coated
Hardware	SUS304 and SUS316 stainless steel; PA and POM plastics
System widths	Single rail ~3,500mm / Double rail ~6,000mm / Triple rail ~8,000mm
Projection	2,000mm – 7,000mm
Lighting	Integrated LED, 4000–4500K, 24V remote control
Wind rating	Beaufort Scale 6 (Smart Louvre system specification)
Warranty	5 years (T&Cs apply)

From first phone call to final commissioning.

Every install follows the same six-step process. One project manager owns the job end-to-end — you'll deal with the same person from your first measure through to handover.

01 • Consultation

Talk through your space, brief, budget and timeline. Phone, email, or showroom — whichever works for you.

02 • Free on-site measure and quote

We come to site, measure the space, talk through which system fits, and give you a fixed written quote with full system specification.

03 • Design and engineering

For builds that require it, we coordinate engineering certification, council permit assistance, and any architect or project-manager input. We're set up to work directly with builders and design teams.

04 • Manufacture

Your system is built to spec in our Canning Vale workshop — frame fabrication, powder-coating, fabric tensioning and motor commissioning all happen in-house.

05 • Install

Our own install team manages site works, including any required steel fabrication, earthworks, electrical and plumbing. We coordinate trade partners directly so you only deal with us.

06 • Handover

We commission the system on site, walk you through the remote and any smart-home integration, and leave you with your warranty paperwork.

Materials and finishes

Frames	Aluminium 6000-series across all three systems (6063 and 6N01 on Smart Louvre)
Hardware	Stainless steel throughout — SUS304 and SUS316 on Smart

	Louvre. UV-stabilised plastic components.
Powder coat	Dulux Duralloy and Durotec ranges. Custom Dulux colours on request.
Fabric (TERA)	Waterproof PVC-coated, UV-rated. Colour and finish options on request.
Motors & controls	Remote control standard on all systems. Smart-home integration, rain and wind sensors available as options.

READY TO START?

Book your free on-site measure and quote.

1300 123 649

miyretractableroofs.com.au

40 Sorbonne Crescent, Canning Vale WA

Service area

We install across Perth and surrounding metropolitan areas including Joondalup, Fremantle, Canning Vale, Rockingham and Midland, plus the South West WA region. Every system is made in our Canning Vale workshop.

Capabilities under one roof

- Full design and engineering certification
- Steel fabrication
- Earthworks
- Electrical
- Plumbing
- Council permit assistance
- Architect and project-manager collaboration