

CADARN - ALUMINIUM LOUVRE PERGOLA KITSETS

Project Pack

Configurable kitset architecture for residential, developer, reseller and project supply.

MAXIMUM FOOTPRINT

6 x 4 m / 24 m²

OPERATION

Manual or motorised

WARRANTY

Lifetime manufacturing pathway*

FINISH

15-year standard / 10-year coastal powder-coat pathways*

SYSTEM OVERVIEW

CADARN at a glance.

A controlled kitset pathway between a commodity gazebo and a fully bespoke architectural louvre project.

SYSTEM

Powder-coated 6063-T5 aluminium louvre pergola kitset

SIZES

Nine standard footprints from 2 x 2 m to 6 x 4 m

HEIGHT

2.5 m standard finished height; optional 3.0 m posts can be added and are supplied full length

COLOURS

Black, White and Grey; mixed frame / louvre combinations available

OPERATION

Manual or motorised adjustable louvres

LIGHTING

Integrated surround LED pathway

FIXINGS

304 stainless standard; optional 316 stainless coastal upgrade

SUPPLY MODEL

Wholesale & project supply; local installation and site works separate

MOUNTING PATHWAYS

Freestanding, wall-mounted or roof-only retrofit.

The roof system may be similar, but the information required before manufacture changes with the supporting condition.

01

Freestanding

Confirm footprint, post positions, finished height, slab / footing or deck-support capacity, anchor zones, levels, drainage discharge, power route and safe assembly access.

02

Wall-mounted

Confirm the actual structural wall or framing zone, finished fixing height, wall straightness, cladding / cavity / soffit / fascia conditions, flashing and sealing detail, drainage and local structural review.

03

Roof-only retrofit

Measure the existing timber, steel or aluminium frame at multiple points. Confirm internal opening dimensions, support spacing, member sizes, level, squareness, fixing faces, drainage and structural capacity for roof, wind and fixing loads.

WHAT TO SEND APOLLO

Photos + dimensions make the first review much faster.

For wall-mounted and roof-only projects, send overall dimensions, finished heights, clear photos of the fixing / support areas, close-ups of the wall or existing frame, site exposure, destination and any known structural information.

MIXED CONFIGURATION SYSTEMS

One structure. Multiple roof and enclosure types.

Selected CADARN projects can combine louvre roof, polycarbonate roof and frame-only zones within the overall 6 x 4 m / 24 m² CADARN envelope.



Plan by use, not by one roof type.

A dining bay can use motorised louvres, an outdoor-kitchen bay can use clear polycarbonate, and another bay can remain frame-only. Bay dimensions, posts, drainage and roof interfaces are reviewed before manufacture.

OUTDOOR ROOM PLANNING

Build the roof, sides and comfort systems together.

CADARN can remain open-sided or coordinate selected screens, glass, louvre walls, privacy panels and outdoor-living interfaces.

- Guided retractable screens - manual or motorised pathways
- Manual crank screen pathway
- Sliding glass wall modules for selected 3 m and 4 m bays
- Fixed aluminium louvre walls
- Adjustable open / angle / close louvre walls
- Decorative aluminium privacy / feature panels
- Outdoor kitchen, BBQ, pizza oven, fireplace or flue coordination



OPTIONAL OUTDOOR HEATING PATHWAY

IP65 weather-rated heater reference

Outdoor heating can be coordinated as part of selected CADARN projects. Final heater model, wattage, voltage, controls, mounting location, clearances and warranty must be confirmed before quoting or specification.

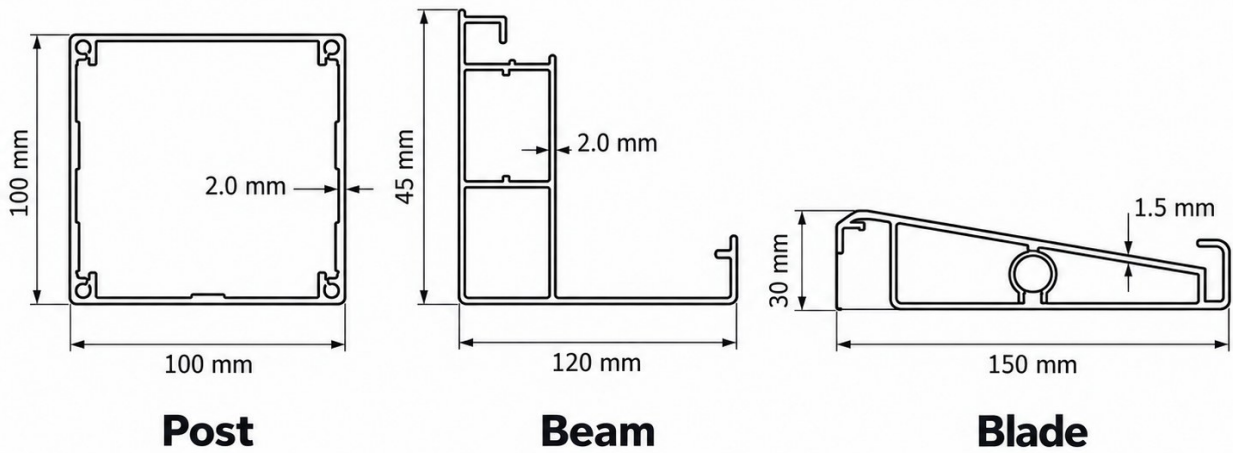
Accessory integration matters.

Blind tracks, drainage, lighting, glass, louvre walls and any heating equipment can share the beam / post zone. Their locations should be coordinated before final manufacture or drilling.

Current CADARN structural planning figures.

Use the website specification as the source of truth for the public profile reference.

CADARN Structural Profiles



POST

100 x 100 x 2.0 mm

MAIN BEAM

120 x 45 x 2.0 mm

LOUVRE BLADE

150 x 30 x 1.5 mm

Final structural performance, foundations, fixing method, post layout and project-specific engineering remain dependent on the actual configuration and site conditions.

Built for long-term outdoor use. Backed accordingly.

Warranty periods are separate pathways, not an all-component lifetime guarantee.

LIFETIME

Manufacturing warranty*

Applies to the CADARN manufacturing-warranty pathway, subject to the applicable written terms, definitions, eligibility and exclusions.

15 YEARS

Powder-coat warranty*

Finish warranty pathway for qualifying standard-environment installations using the specified coating system and required care programme.

10 YEARS

Coastal powder-coat warranty*

Dedicated finish warranty pathway for qualifying coastal installations where the coastal specification, exposure conditions and maintenance programme are followed.

Coastal projects can also be reviewed with the optional 316 stainless-steel fixing upgrade. Fresh-water cleaning and the required maintenance programme remain important in salt-exposed environments.

* Final coverage follows the written warranty schedule applicable to the ordered configuration and destination. Motors, controls, LEDs, sensors, screens, glass, seals, moving parts and other accessories may carry separate warranty periods or conditions.

A repeatable CADARN programme, not just a one-off pergola.

For development programmes, reseller ranges and selected project partners, CADARN can be standardised around repeatable configurations, finishes and documentation.

FACTORY BRANDING OPTION

Laser-marked post logo

Approved developer, reseller or project-partner logos can be laser-marked into selected aluminium posts. Artwork, scale, position and production suitability are confirmed before manufacture.

- Repeatable standard footprints and controlled made-to-measure review
- Black / White / Grey standardisation with mixed frame / louvre combinations
- Developer / reseller laser branding on selected posts
- Batch and multi-site project scheduling
- Defined warranty and coastal pathways
- Technical pack and quote-preparation support
- Replacement / accessory identification against the ordered configuration
- Supply-only model suitable for local installer or reseller networks

Best suited to repeat programmes.

The strongest reseller / developer model is to freeze a small family of standard configurations, colours and accessory pathways, then use the same approved specification repeatedly rather than redesigning every order from zero.

PROJECT CHECKLIST

What Apollo needs for a clean CADARN quote.

The more of this information that is known before review, the fewer assumptions need to be carried into the quotation.

- Overall width and projection
- Freestanding, wall-mounted or roof-only pathway
- Finished roof height - 2.5 m standard; optional 3.0 m posts can be added where required
- Single roof or mixed louvre / polycarbonate / frame-only zones
- Manual or motorised roof operation
- Frame and louvre colours
- Screens, glass, louvre walls, privacy panels or other enclosure intent
- Supporting slab, footing, deck, wall or existing-frame condition
- Drainage discharge route
- Electrical supply route for motorised roof / LED lighting
- Coastal, open, snow/cold or other exposure conditions
- Developer / reseller branding requirement
- Delivery destination and site access

NEXT STEP

Configure first. Then request the project quote.

Use the CADARN Configurator and Technical Centre at apollonzglobal.com. Apollo reviews the configuration, compatibility, site information, freight basis and supplied scope before issuing a manual quotation.

CADARN remains a supply-only system. Foundations, local installation, final electrical and drainage connections, local engineering and approvals remain project responsibilities unless expressly included in the quotation.