



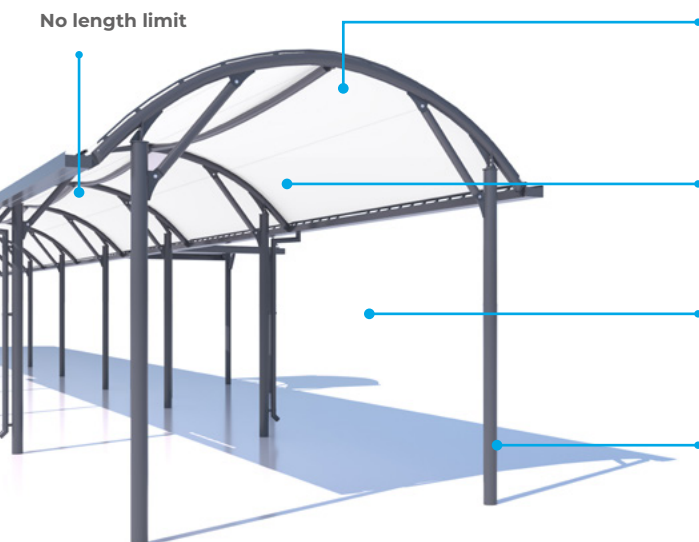
ORION Covered Walkway

An ORION Covered Walkway with its tensile membrane roof provides a pleasant ambient environment as well as absorbing the sound of rain, voices and echo to a greater extent than a hard roof covering such as polycarbonate or steel. The fabric roofs also offer the unique opportunity to print corporate branding for added class.

The flexible design aesthetic and distinctive elegant form of a tensile fabric canopy results from the characteristics unique to membrane tension. In daylight, fabric membrane translucency provides diffused, naturally lit spaces, while at night, artificial lighting can be used to create an ambient exterior luminescence. The lightweight nature of tensile membrane design requires less structural steel compared with conventional roof coverings, enabling clear spans of column-free space.

Enclosing covered walkways with glass or polycarbonate sides increases the weather protection further, with the potential to address safeguarding issues at the same time.

Streetspace has extensive in-house expertise in civil engineering and external works, offering complete turn-key packages including foundation installation, surfacing and drainage and any associated mechanical and electric elements.



Canopy Form

ORION Covered Walkways can be constructed in two forms: symmetric barrel vault or cantilever design form

Clear span widths of up to 6m

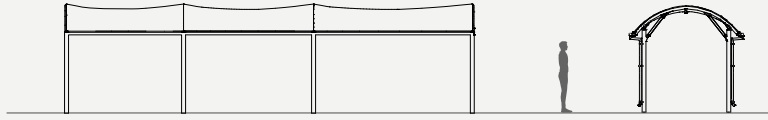
TRITON Covered Walkways can be constructed in any width between 1m and 6m

Options

Available options include windbreak side panel sections, canopy lighting and timber post capping.

Post Centres

Standard post centres are between 3.5m and 6m with variations within the structure possible to avoid doorways, access routes or underground services



Design Features



High Sunlight Reflectivity

High sun reflectivity results in a lower energy requirement to maintain room temperatures of adjacent buildings.



All Weather Protection

Enclosure options include solid or multiwall polycarbonate, planar glass and aluminium glazed curtain walling.



Positive Light Transmission

The combination of 'no-glare' ambience with excellent light transmission eliminates the need for lighting during the day.



One-Piece Fabric Membrane

No joints to trap dirt or moisture and advanced fabric coatings provide a smooth, low maintenance surface.



Sound Absorption Qualities

Soft membrane fabrics absorb echo, the sound of rain and voices to a much greater extent than a hard roof.



Confidence in Accreditation

Streetspace design, manufacturing and construction processes are accredited to ISO9001, ISO14001 and BS EN 1090 CE EXC 2.

Product Specification

ORION Barrel Vault fabric canopies can be designed in different forms, with multiple support options available. The opportunity for flexibility of design with tensile membrane structures means irregular shapes can be accommodated.

Canopy Form

ORION Covered Walkways are based on either the symmetric barrel vault or cantilever design form.

Canopy Support

As well as the standard freestanding design, ORION Covered Walkways are available as either cantilevered structures or freestanding depending on cover width required.

Canopy Dimensions

ORION Barrel Vault fabric canopies can be constructed in widths between 1m and 6m, there is no limit on the length.

Additional Options

Adding options to your ORION Covered Walkway allows even greater flexibility for extending the use of the covered space.

Lighting

High-efficiency LED lighting solutions are available to enable safe use of your covered walkway outside of daylight hours.

Timber Post Capping

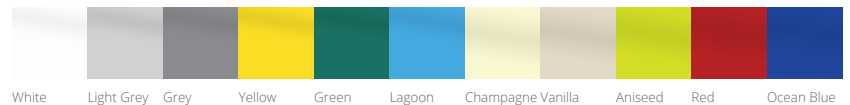
Adding timber post cappings can help soften the appearance of a steel frame structure.

Windbreak Panels

The addition of windbreak side panel sections for canopy sections most exposed to inclement weather is a cost effective means of increasing value from the facility.

PVC Fabric Colours

Specified with the FTO Series Architectural PVC Fabric which is an advanced, high quality and hard wearing product, with a smooth PVDF surface coating that stops dirt getting ingrained in the fabric, reducing the level of maintenance required to keep the roof clean.



Fame Finishes

Highly durable polyester powder coatings are applied as the standard finish on steel frame with colours selected from a basic range or from the RAL colour selector. Steelwork is cold grit-blasted to SA2.5, with a zinc coating and anti-corrosive primer, followed by the high gloss polyester colour powder coat finish. Alternatively, hot-dip galvanised coatings can be specified for the harshest environments where a decorative finish is not required.

