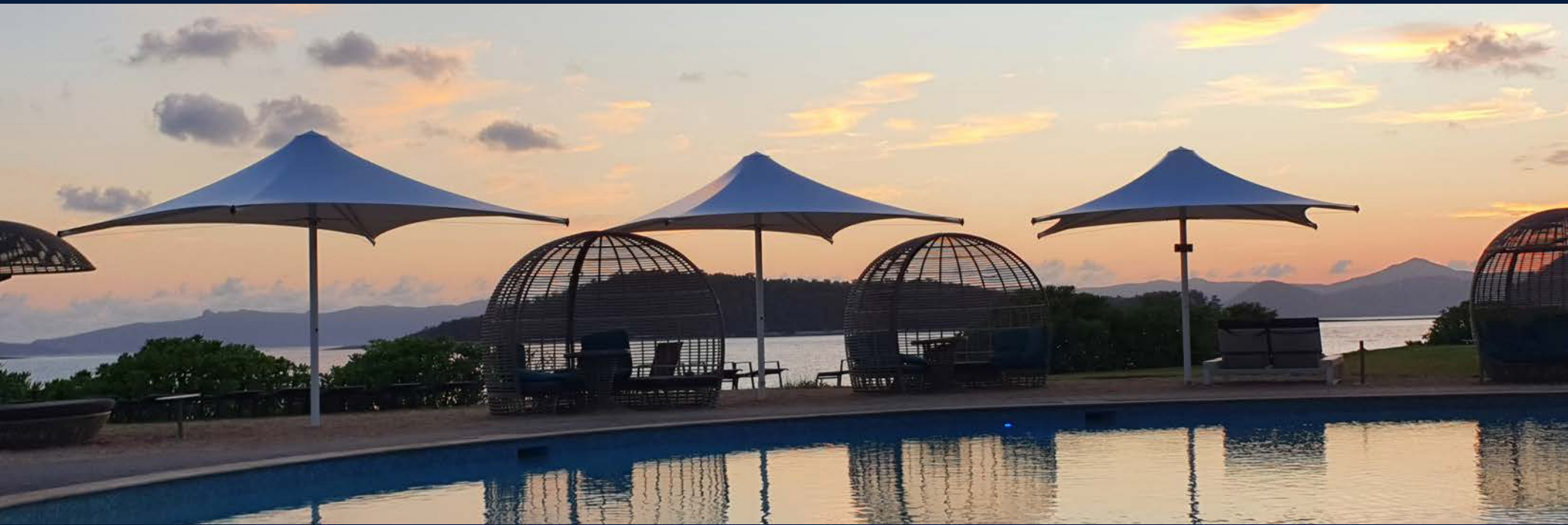


Design
Fabrication
ARCHITECTURAL UMBRELLAS
Installation
Service



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CO50 Centra Umbrella



CS38 & CS40 Centra Umbrella



CH57 Centra Umbrella



LS32 Leva & CS32 Centra Umbrellas

THE PERFECT SOLUTION FOR YOUR VENUE



UV
PROTECTION



DESIGN
FLEXIBILITY



DURABLE
CONSTRUCTION



WIND
RATED

Favored by architects, designers, and developers, Birdair Architectural Umbrellas can be seen all over the world, enhancing businesses and attracting the attention of passers-by.

When the comfort of your customers and patrons is a priority, a Birdair Architectural Umbrella is the perfect solution for alfresco dining, hotel and resort pool areas, club hospitality areas, playgrounds and parks, walkways and pedestrian zones or anywhere shade and weather protection is needed.

The Birdair Architectural Umbrella range consists of high-quality, commercial umbrellas designed and engineered here in Australia. The Birdair range of permanent commercial umbrellas have flexible options to add stylish and durable shade elements to almost any outdoor space.

UV PROTECTION

A modern and stylish addition to any venue, Birdair 's architectural PVC umbrellas offer superior UV protection.

DESIGN FLEXIBILITY

Available in a range of shapes, sizes and colors, these architectural umbrellas offer flexible design options for parks, playgrounds, shopping precincts, schools, cafés, restaurants... and more!

DURABLE CONSTRUCTION

Designed for permanent installation, the steel frames and premium fabrics used in Birdair Umbrellas are extremely durable in all environments.

WIND RATED

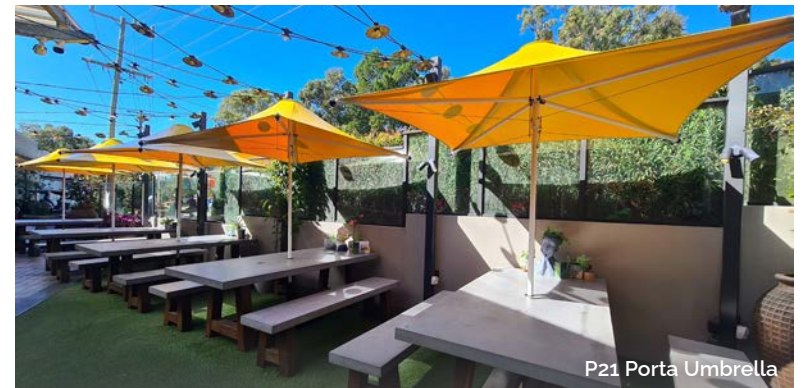
These wind rated architectural umbrellas are engineered to withstand wind-speeds of up to 100kmph and last longer than other commercial umbrellas on the market. Some models can be upgraded for higher wind-zones.



CS40 Centra Umbrella



Leva Umbrella



P21 Porta Umbrella

ARCHITECTURAL UMBRELLA RANGE

CENTRA



CENTRAL SUPPORT PERMANENT UMBRELLA

The most popular and versatile umbrella in the Birdair Architectural Umbrella range, Centra is the perfect entertainer - ideal for cafes, restaurants, hotels, pubs, sports clubs and bars.

- » Centra umbrella models are available in a range of sizes from 8'10" up to 18'6".
- » Shapes available are square, truncated square, octagonal, and hexagonal.
- » Steel frame with multi-layer powdercoat protection system.
- » Wind rated to 60mph.
- » Ability to link multiple umbrellas together to increase coverage area.
- » Installed as a permanent umbrella, Centra canopies can be closed in the event of severe weather.

LEVA



CANTILEVER SUPPORT PERMANENT UMBRELLA

The cantilevered pole on the Leva umbrella allows for maximize use of space. Ideal for applications where a central column is not practical, such as over a pool or alfresco dining area, offering shelter without the need for a column through the table.

- » Leva umbrella models are available in two sizes - 8'10" and 10'5".
- » Leva umbrellas are square.
- » Steel frame with multi-layer powdercoat protection system.
- » Wind rated to 60mph.
- » Wall mounting, swivel boom and double canopy options available.
- » Installed as a permanent umbrella, Leva canopies can be closed in the event of severe weather.

PORTA



LIGHTWEIGHT PORTABLE UMBRELLA

The Porta umbrella is collapsible, portable and ideal for applications where persistent wind is not a factor. Small and light, Porta is great for street furniture, as well as cafes, restaurants and bars without a permanent alfresco area.

- » The Porta umbrella is 6'10".
- » Porta umbrella is square.
- » Steel frame with multi-layer powdercoat protection system.
- » A 1 1/2" diameter central pole will fit through most outdoor tables.
- » Small enough to be moved, yet durable enough to be left up for extended periods. We recommend closing your Porta umbrella if subjected to moderate wind.



CO40 Centra Umbrella



LS32 Leva Umbrella



P21 Porta Umbrellas

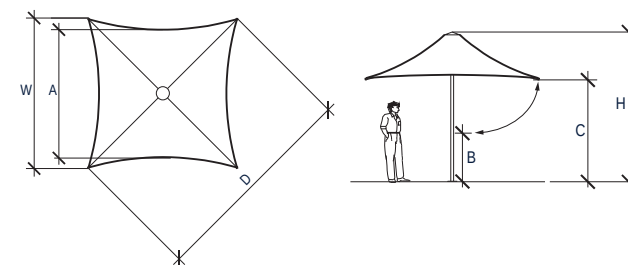
ARCHITECTURAL UMBRELLA RANGE

CANOPY SHAPE	MODEL NAME/ NUMBER		CANOPY AREA	MAXIMUM CANOPY WIDTH	MINIMUM CANOPY WIDTH	CANOPY DIAGONAL	STRUCTURE HEIGHT	UNDER CANOPY CLEARANCE	CLOSED ARMS TO BASEPLATE
			ft²	(W) ft. in.	(A) ft. in.	(D) ft. in.	(H) ft. in.	(C) ft. in.	(B) ft. in.
 SQUARE	PORTA	P21	41	6' 11"	6' 3"	9' 8"	8' 5"	6' 7"	3' 6"
	CENTRA	CS27	62	8' 10"	7' 7"	12' 5"	11' 0"	7' 10"	4' 5"
	CENTRA	CS32	86	10' 5"	8' 10"	14' 7"	11' 0"	7' 7"	3' 3"
	CENTRA	CS38	118	12' 3"	10' 4"	17' 2"	11' 0"	7' 7"	2' 0"
	CENTRA	CS40	137	13' 4"	11' 1"	18' 8"	11' 0"	7' 5"	1' 4"
	CENTRA	CS50	234	16' 7"	14' 10"	23' 3"	12' 0"	7' 10"	0' 2"
 Truncated Square	CENTRA	CTS43	169	14' 1"	12' 2"	16' 5"	11' 0"	7' 7"	2' 6"
 Hexagonal	CENTRA	CH57	246	18' 6"	16' 2"	21' 3"	11' 0"	7' 1"	0' 2"
 Octagonal	CENTRA	CO40	125	13' 3"	11' 10"	14' 4"	11' 0"	7' 10"	3' 7"
	CENTRA	CO50	182	16' 3"	14' 3"	17' 6"	11' 0"	7' 3"	1' 9"
 SQUARE cantilever	LEVA	LS27	62	8' 10"	7' 7"	12' 5"	11' 7"	7' 5"	3' 11"
	LEVA	LS32	86	10' 5"	8' 10"	14' 7"	11' 9"	7' 5"	2' 11"

Dimensions are indicative and a guide-only.



UMBRELLA DIMENSIONS



W	MAXIMUM CANOPY WIDTH	H	OVERALL HEIGHT
A	MINIMUM CANOPY WIDTH	C	UNDER CANOPY CLEARANCE
D	UMBRELLA DIAGONAL OVERALL	B	CLOSED ARMS TO BASEPLATE

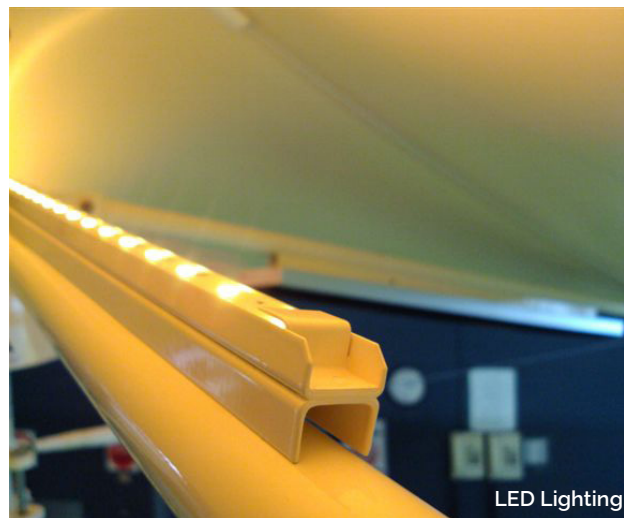
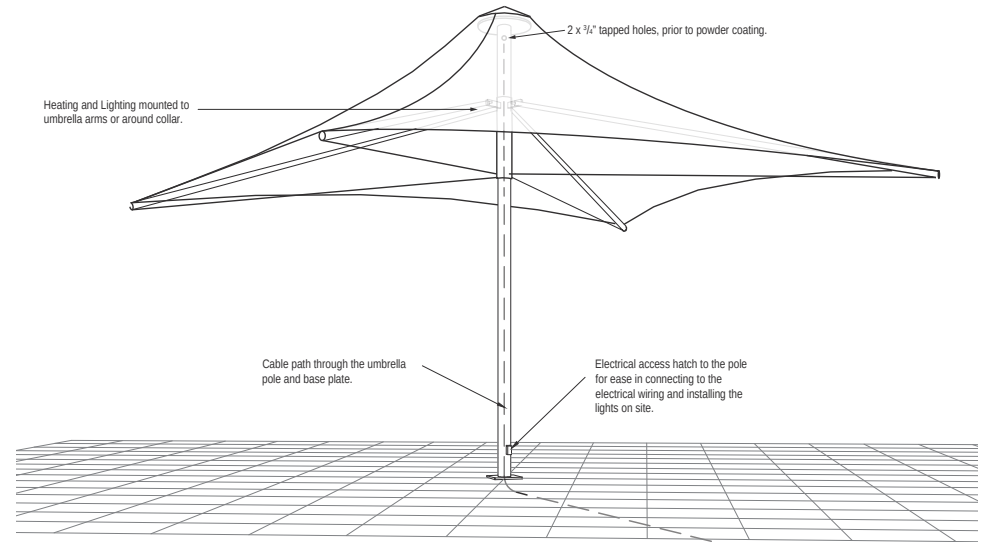
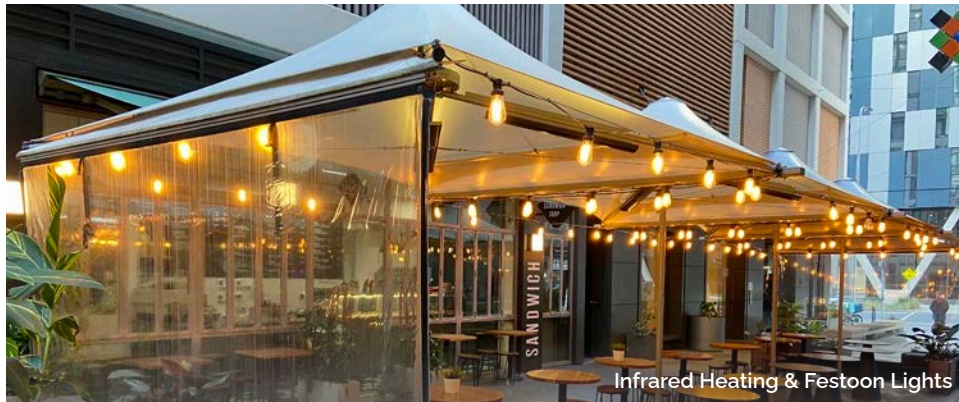


CUSTOMIZE
YOUR UMBRELLA

LED LIGHTING & HEATING

Maximize the use of your umbrella once the sun goes down with a complete heating and lighting system by Celmec.

- » LED lighting - available in Warm White or Colors, LED strip lights or flood lights.
- » Heatray heating systems - available in Infrared or Electric Radiant.
- » Integrated wiring through the columns means no trip hazards for patrons.
- » Can include a wall mounted remote and dimmer system.



COLORS, PATTERNS & LOGOS

Customize your umbrellas to be as unique as your venue.

Birdair can offer you bespoke design options;

- » Choose from a range of colors from our premium membrane suppliers.
- » Upgrade your steel columns with bright colors.
- » Add vinyl cut logos to promote your brand.
- » Custom Digital Printing allows for patterns and unique designs.



CS27 Centra Umbrella



CO40 Centra Umbrella



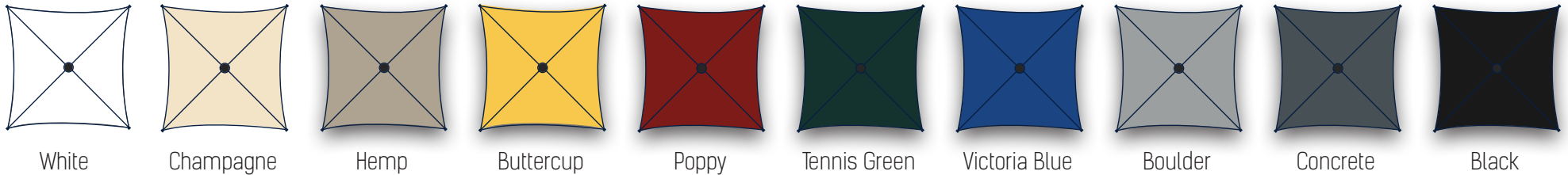
CS32 Centra Umbrella



LS32 Leva Umbrella

FABRIC & STEEL COLORS

STANDARD COLOR UPGRADE OPTIONS - SERGE-FERRARI SOLTIS 502V3

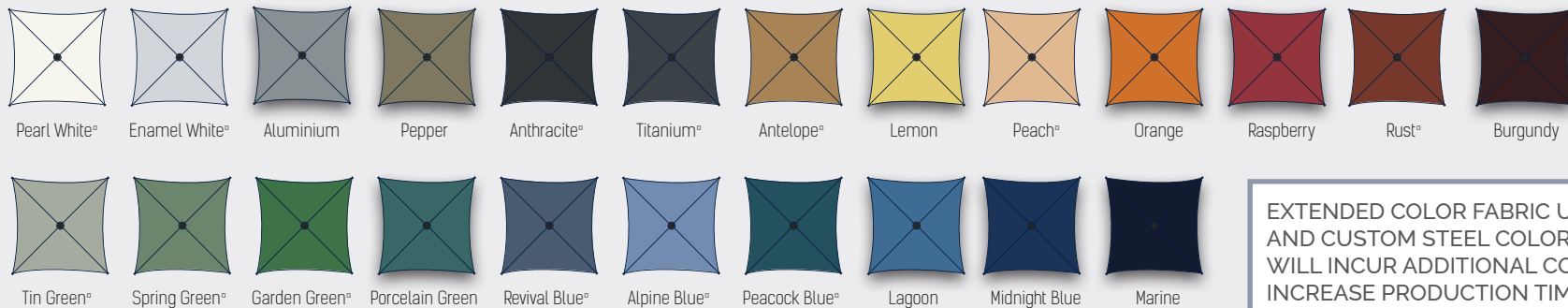


STEEL COLORS - RAL (for custom steel colors - visit www.RALcolor.com)



EXTENDED COLOR UPGRADE OPTIONS - SERGE-FERRARI SOLTIS 502V3

NEW 502 colors for 2025.



EXTENDED COLOR FABRIC UPGRADE AND CUSTOM STEEL COLOR OPTIONS WILL INCUR ADDITIONAL COST AND INCREASE PRODUCTION TIMES.



Soltis Loop® is a new generation of innovative products, made of recycled materials, which embodies our sustainable approach: Aimed at saving natural resources, the Soltis Loop® ranges are a forerunner of tomorrow, when we will be able to do even more with less. Soltis 502V3, made from high tenacity recycled polyester yarns, maintains its high-quality standard while reducing the carbon footprint. The Non PFAS claim is based on composition & the results of the tests requested by the OEKOTEX requirements (Fluor and PFAS detection).

GROUND FIXING

Birdair Architectural Umbrellas have a base plate as standard, and most commonly installed as a permanent structure directly to a concrete slab, pad or pier footings.

We also offer a range of ground fixing options for our Porta and Centra models, providing flexible installation solutions for most locations.

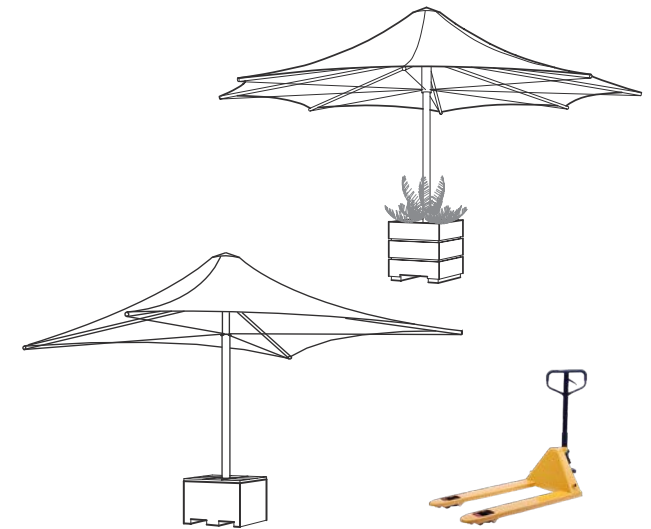
- » Pavement sockets - a semi-permanent option, ideal for cafes, restaurants and pedestrian areas.
- » Concrete Base / Planter Box - heavy enough to keep the umbrella upright in the wind, the concrete bases can be moved with a European Pallet Jack.
- » Deck Bracket - perfect for installing in a wooden deck where deep-set footings are not possible.



CONCRETE BASE / PLANTER BOX

Designed for maximum stability, yet still removable if required, the concrete base or planter box can be formed into multiple sizes and shapes. Design options include bench seating-style wooden slats or a cavity area for plants.

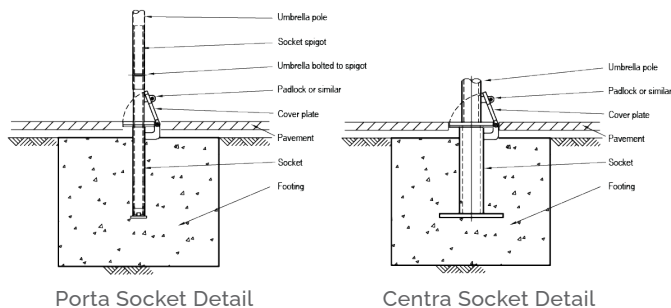
These heavy blocks come with a grooved based to accommodate a manual European-style Pallet Jack.



PAVEMENT SOCKETS

The pavement socket is installed under the pavement on a footing so that the top of the socket is flush with the pavement.

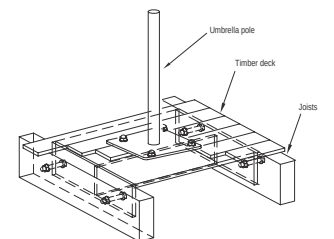
When the umbrella is installed into the socket, the open cover plate is locked onto the umbrella pole cleat with a padlock. This provides security for the umbrella and locks it in place.



DECK BRACKET

Installing a Porta or Centra umbrella to a deck area is achieved by affixing a steel deck bracket underneath the deck, and then bolting the umbrella to the plate.

The existing timber deck will need to be checked by a structural engineer prior to umbrella installation.

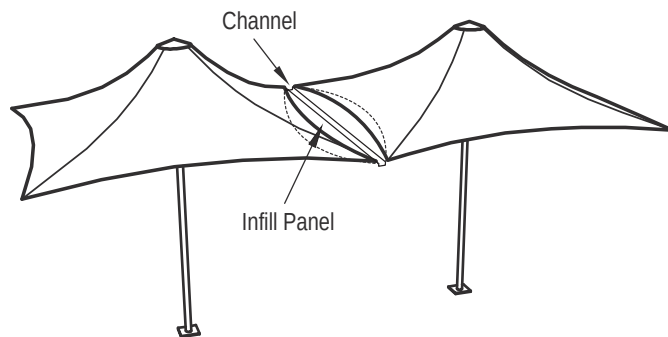
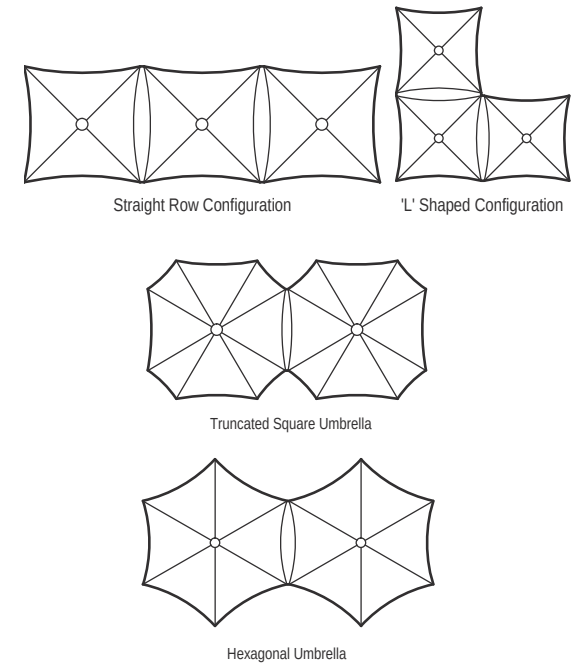
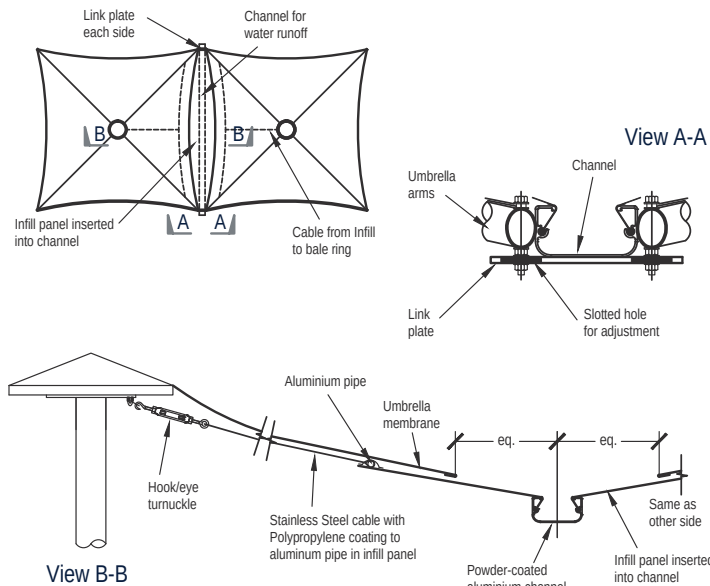


Deck Bracket Fixing Detail

LINKING SYSTEM

Extend the habitable area underneath your umbrella canopies by linking them together. Linking offers even more flexibility in design and coverage area. The Birdair linking system enables individual umbrellas to be joined together, providing expanded all-weather shade and shelter.

- » The Birdair linking system is created using a separate infill section of membrane that secures underneath the umbrella canopies.
- » A powder-coated aluminum channel runs down the centre of the membrane infill to direct rain-water runoff.
- » The standard spacing between umbrellas when linking is 4½" clear arm-to-arm (maximum spacing 35½").
- » The linking system can be applied to all Centra and Leva square models.
- » The Centra hexagonal and truncated square models can also be linked in special applications.



Linking system channel detail



Linked Centra umbrellas with branding on the infill panel

UMBRELLA OPENING KITS

The Centra, Leva and Porta range of umbrellas all offer a closable canopy for safe storage during extreme weather conditions.

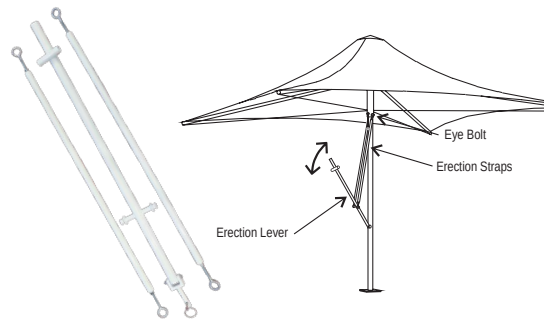
Full opening and closing instructions are included in the Umbrella Owner's Manual that comes with each umbrella when installed.

Contact sales@birddair.com for a replacement umbrella Owner's Manual.



Birdair Architectural Umbrellas are designed to be permanent structures and do not need to be closed after each use. We do however recommend closing your umbrella canopy in the event of severe weather.

Avoid closing your umbrella when wet and do not leave your umbrella closed for an extended period of time.



CENTRA OPENING KIT

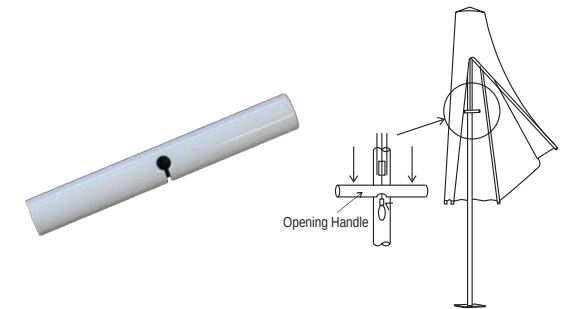
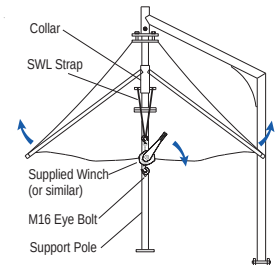
The standard Centra Opening Kit contains an Erection Lever and two Erection Straps. Once attached to the umbrella pole and collar, the lever is used to raise or lower the canopy.

The Opening Kit for larger Centra Umbrellas (CS50 & CH57) also include additional Retaining Bolts to facilitate a multi-step opening procedure.



LEVA OPENING KIT

A chain lever block and a SWL strap are used to open and close the LEVA umbrella range. An additional Support Pole is required (supplied with the umbrella) to support the canopy in the closed position.



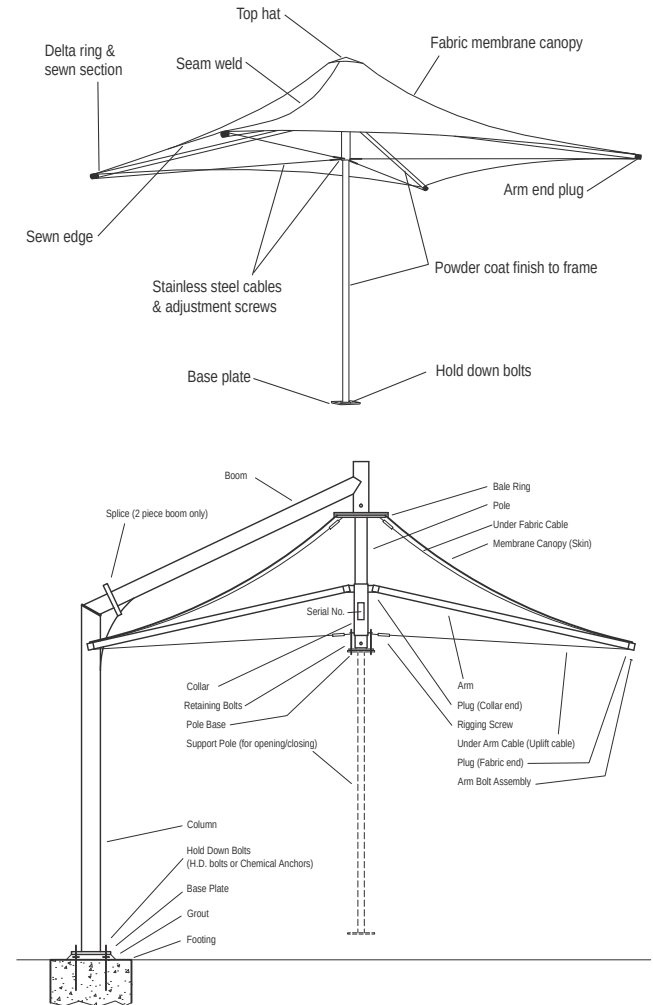
PORTA OPENING HANDLE

Porta umbrellas have an in-built cable and pulley system for opening and closing. The Opening Handle is designed to fit the ferrule at the end of the cable. Simply attach the ferrule to the handle and pull down to open the canopy.



UMBRELLA SPECIFICATIONS

COMPONENT	TECHNICAL SPECIFICATIONS
Canopy	Architectural-grade, waterproof, satin-finished PVC polyester fabric with PVDF coating on both sides. The UV stabilized fabric is easy to clean, low maintenance and protected against microbial and fungal attack. The canopy panels are high-frequency butt-join welded and reinforced, making them strong, durable and with a smooth, attractive finish. The canopy edges are stitched using Tenara® PTFE sewing thread that is unaffected by UV, salt water or pollutants.
Fabric Product Name	White Umbrellas - Serge Ferrari Soltis 502 V3. Standard Color Umbrellas - Serge Ferrari Soltis 502 V3 - 9 Standard Colors to choose from (additional Serge Ferrari Solits 502 Colors and the Mehler Valmex FR580 Color range available as an upgrade).
Steel Frame	The umbrella structure is fabricated with tubular steel components finished with a multi-step steel protection system with a top coat of polyester-based powdercoating designed for the exterior environment (choose from a wide range of steel powdercoat colors). Upgrade to Stainless Steel frame for high-salinity (marine) environments available
Cables	Umbrellas are tensioned with stainless steel under-arm cables, with stainless steel terminations. Stainless Steel tension adjustment screws ensure membrane tension can be maintained over the life of the umbrella.
Hardware	All hardware inclusive of nuts, bolts, and washers are stainless steel. Arm end plugs are UV resistant nylon. Top Hats are spun aluminium with polyester powdercoat.



MAINTENANCE RECOMMENDATIONS

As a condition of the warranty, your umbrella must be maintained and cleaned regularly. The period and nature of the maintenance requirements depends on the exposure of the umbrella to climatic conditions (rain, hail, wind) and airborne pollutants (leaves, dust, pollutants, bird droppings, sea air, etc).

The recommended period for inspections and cleaning is no longer than 3 months. The umbrella needs to be maintained as often as window glass or a car would need to be inspected and cleaned if kept in the same environment.

CLEANING

Brush down the canopy, frame, stainless steel cables and shackles using a soft brush and fresh, clean water to remove the build up of dust, dirt, insects, spider webs, bird droppings, salt residues, pollution or superficial stains. Work on the most exposed side first.

Spray or sponge cold or lukewarm water with a 1% to 5% concentration of normal pH neutral household liquid detergent on the membrane (dish-washing liquids "gentle on hands" are adequate and will not damage the membrane coating). Wash using a sponge or soft cloth then rinse off with low-pressure clean water to remove dirt and detergent.

Polish frame with a non-abrasive auto polish, if required.

For further cleaning instructions please contact your umbrella installer or email Birdair directly at sales@birdair.com for details.

IMPORTANT NOTES:

Under NO circumstances are abrasive cleaners, scrubbing brushes, bleach or high-pressure water blasters to be used on the fabric, as these will damage the surface coatings.

The canopy should not be closed immediately after cleaning, allow the membrane to dry fully before closing.

For umbrellas accessories, such as lights or heaters, refer to the manufacturer's maintenance manual for cleaning suggestions.

Some regions have statutory bodies (eg. Environmental Protection Agency, local council authorities, landlords, etc) which issue specific requirements regarding the

use of water and/or cleaning agents in outdoor areas. Birdair recommends that a check of the requirements for the site/region be made before undertaking any cleaning works.

PERIODIC INSPECTIONS

Check the fabric membrane for:

- » Tears on the sides and inside of the fabric membrane.
- » Peeling off at the seam welds.
- » Broken yarns and tears at the sewn sections.
- » Small holes, cuts etc in the fabric membrane.
- » Abrasion of the fabric (against tree branches, lights, etc).
- » Heavy build up on the surface (dead leaves, insects, pollution, sea spray etc).
- » Tension in the cables should be taut (not sagging down).
- » Tension in the fabric should be 'drum like' (when hit with an open hand) and should never be 'slack'.

Check the frame for:

- » Fraying of cables and webbing loops.
- » Scratches and damage to the powdercoat finish.
- » Excessive distortion, damage and corrosion.
- » Tightness of connections.
- » Tightness of hold down bolts at the base.
- » Corrosion to hold down bolts.
- » Crumbling of grout under the base plate.

When carrying out the inspections if any signs of the above are noticed, please contact your umbrella installer or email Birdair directly at sales@birdair.com further advice.

SPECIFIC INSPECTIONS

Specific inspections should be performed immediately after an unusual or exceptional event, which includes:

- » Storm with winds over 27mph.
- » Hail or heavy snowfall.
- » Impact by heavy objects that may cut or abrade the fabric and webbing.
- » Impact by heavy object that may damage or overstress the steel frame.
- » Vandalism.
- » Ponding of stormwater, snow or hail on the fabric membrane.
- » Lightning strike.
- » Earthquake.
- » Initial erection and tensioning of the umbrella.





CS27 Centra Umbrella



CO40 Centra Umbrella



CS38 Centra Umbrella



LS32 Leva Umbrella



CS40 Centra Umbrella



CO50 Centra Umbrella



CS32 Centra Umbrella

With nearly 70 years of experience, Birdair has worked with owners, architects, engineers and contractors to design and build architectural umbrellas, shade structures and custom tensile fabric structures used to create innovative roofing systems, canopies and skylights. As a turn-key specialty contractor, Birdair provides pre-construction assistance; including design assistance, budgeting, construction methodologies and project schedule development. Our in-house capabilities consist of design, engineering, fabrication, installation and maintenance of tensile structures.



SETTING THE STANDARD FOR TENSILE ARCHITECTURE

Birdair Inc.

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