

polaris

series



shademakerTM
architectural shade

owner's manual

WARRANTY:

Upon receipt of your Polaris, please check to ensure you have received all of the parts. Shademaker manufactures all its shade styles from the finest aluminum alloys to ensure the strength, durability and integrity of each and every style. We pride ourselves as a totally vertical operation. This means that we manufacture and produce over 90% of the components used in our products from the raw state. We can monitor every stage of the manufacturing process and maintain a consistent level of quality.

Our only business and focus is shade and shade type products. Our goal is that each and every Shademaker style will exceed your expectations at a competitive price that will make you smile.

Our Limited Warranty is outlined below by individual styles. Please note, wind damage is not covered under any manufacturer's warranty

Our umbrellas are serviceable, meaning that parts can be ordered under warranty at no charge, if found that the damage is a manufacture defect and/or purchased out of warranty to make them whole again.

5 Year Limited Warranty includes the Polaris, Sirius, Astral-TC, Corona and Nova styles. This includes the mast, arms, ribs, center pole, top and bottom hubs and stainless steel hardware only. If there is damage under the warranty, Shademaker will replace and/or repair any item listed in this category at its discretion. The 5 Year Limited Warranty applies to Sunbrella Firesist®, Sunbrella Firesist® PLUS and Sunbrella® Furniture Grade fabrics. Visit www.sunbrella.com/warranty for more details.

10 Year Limited Warranty includes the Sunbrella® Awning & Marine Grade Fabric Collection. Visit www.sunbrella.com/warranty for more details. Labor charges are not covered under this limited warranty.

5 Year Limited Warranty also applies to O'bravia™ Awning Grade fabrics. Labor charges are not covered under this limited warranty.

1 Year Limited Warranty covers the powder coat finish on our steel bases. If the powder coat finish flakes, bubbles, peels or loses color; Shademaker will re-finish or replace the defective bases at its discretion. Normal wear and tear is not covered under this limited warranty.

Exclusions: Wind damage, acts of nature (such as, but not limited to, freezing or any type of extreme weather.) Normal wear and tear and failures caused by abusive use are not covered under this warranty.

Those filing warranty claims will be responsible for all shipping, handling and freight charges on all claims to Shademaker in Baldwin Park, CA. All warranty claims must be submitted with the original proof of purchase, date of purchase, name of dealer and the description of the damage. An authorized Shademaker RA# must be listed on all products being returned. The Shademaker warranty is not transferable. Shademaker reserves the right to repair, replace and/or redesign any product that is returned under a warranty claim.

IMPORTANT:

Please read this entire manual before installing or operating your Polaris umbrella.

POLARIS WIND RESISTANCE GUIDELINES:

Light to Moderate Winds (if used with mount kits)

When installed properly, the Polaris is engineered to handle light to moderate wind conditions in the open canopy position. Please adhere to these wind guidelines:

1. If winds are present, the Polaris should be closed.
2. Do not keep the Polaris in a tilt position if you are experiencing windy conditions.
3. As winds get stronger or, in anticipation or uncertain/severe weather conditions, the canopy should be lowered to the folded position and strapped to the mast.
4. The Polaris should always be left in the folded and strapped position when unattended or not in use.
5. In anticipation of, and during extremely severe weather conditions, it is advisable to remove and store the entire Polaris structure to protect it from storm-related debris.

SPECIFICATIONS



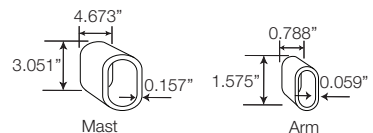
	3.0m / 9'9"	3.5m / 11'5"	4.0m / 13'1"
POLARIS Shape	Square	Square	Square
A Overall Width	12'6"	12'9"	14'3"
B Canopy Height	9'1"	9'3"	9'8"
C Arms Height	7'9"	7'8"	7'10"
D Hub Height	7'4"	7'7"	7'8"
E Overall Height	9'7"	9'7"	9'7"

Weight: Approx. 125 lbs.

Mast Shape & Diameter: 4.673" x 3.051" Oval

Mast Thickness: 0.157"

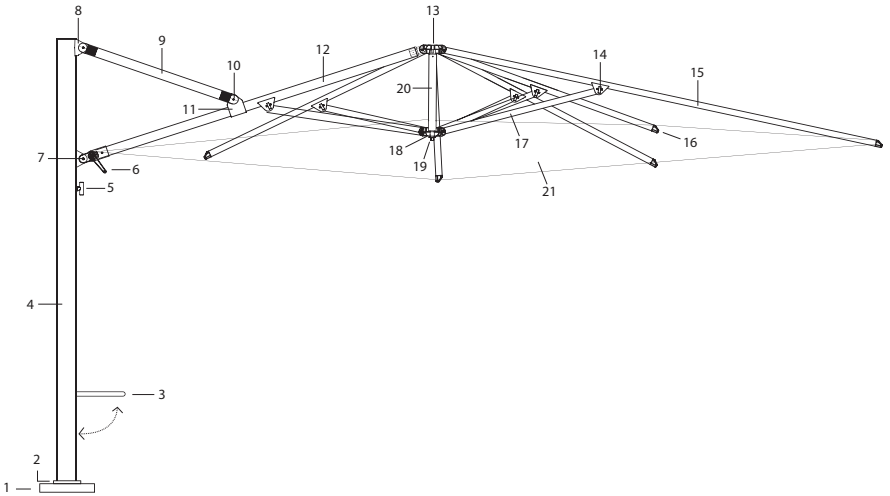
Arm Thickness: 0.059"



THE POLARIS SHADEMAKER SIDEPOST DESIGN

The Polaris sidepost umbrella has an elegant and noble design, combined with a robust construction and easy to handle. The unique fitting function makes the perfect shade for the home or in the restaurant.

DIAGRAM & LEGEND



- | | | |
|------------------------|---------------------------|-------------------|
| 1. Internal Stem | 9. Main Support Arm | 17. Strut |
| 2. Acetal Ring | 10. Large Arm End Fitting | 18. Lower Hub |
| 3. Turning Handle | 11. Large Hinge | 19. Light Adapter |
| 4. Mast | 12. Main Arm | 20. Center Tube |
| 5. Slider Car Stop Pin | 13. Upper Hub | 21. Canopy |
| 6. Crank | 14. Small Hinge | |
| 7. Slider Car | 15. Main Canopy Arm | |
| 8. Upper End Fitting | 16. Small Arm End Fitting | |

INSTALLATION OPTIONS AND GUIDELINES

To ensure longevity, correct installation is essential. There are three standard installation options which provide the best stability for the Polaris. Depending on your situation, you will have requested one or more of the Polaris Mounting Kits at the time of your order. Either the Concrete Mount Kit, the In-Ground Fitting Mount Kit, or the Wooden Deck Mount Kit.

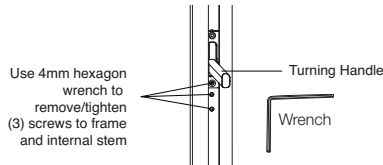
- 1. CONCRETE MOUNT KIT** - This kit includes a base plate, four (4) stem bolts, and one (1) allen wrench.
- 2. WOODEN DECK MOUNT KIT** - This kit includes two (2) base plates, four (4) stem bolts, and one (1) allen wrench.
NOTE: Not recommended unless attached to an in-ground fitting below deck because it is very heavy. (See above)
- 3. IN-GROUND MOUNT KIT** - This kit includes in-ground fitting.
- 4. FREE STANDING BASE** - You may opt to use a free standing base for your Polaris umbrella. We recommend a minimum of a 450-750lbs. base weight for this umbrella (depending on the size of your umbrella). **NOTE:** If using a free-standing base, wind guidelines change from light to moderate winds to light winds only.

ASSEMBLY INSTRUCTIONS

Two-person team is recommended for assembly.

By now, you have installed your base plate(s), adapter plate (if using a mount kit or steel base plate), or have set up your base.

Lift complete umbrella and install onto adapter plate. Bolt umbrella to adapter plate to secure umbrella in place. **NOTE:** If not able to have 2 person assembly, remove stem from mast using hexagon wrench. Remove 3 small screws and pull stem from mast. Bolt stem to base plate/base, slide mast over and replace screws.



NOTE: Free standing BC05x steel base frames do not need adapter plate slots to square up with umbrella.

If the is not properly seated and bolted to internal stem, the Polaris will not lift. You are now ready to operate your Polaris.

OPERATING INSTRUCTIONS

To open the canopy:

1. Remove the strap that holds the Polaris to the mast when in the closed position. Take note of the "parachute" folding method used to fold the canopy when closed. See TO PROPERLY FOLD CANOPY section on page 6 for more details.
2. Turn handle to open canopy slider car. Turn clockwise 90° to disengage and car will move upward/downward. Continue cranking to open completely. Lock must be parallel to frame to lock slider car.
3. Untie fabric from small hinges and remove. NOTE: Hinge fabrics purpose are to protect hinges from scratching canopy during transportation.

To tilt:

The Polaris has infinite tilt positions.

1. Turn slider car stop pin at a 90° horizontal position. Slider car is now ready for tilt position. Use slider car stop pin to tilt to desired location.
2. To lock into place, turn the slider car stop pin to vertical position. Slider car is now locked in the teeth belt.
3. Repeat steps above to lower or raise canopy to desired tilt position.



To rotate 360°:

1. Raise the turning handle and rotate mast to a new position.
2. Lower handle to lock into place.

To lower canopy:

1. Move slider car pin downward to a comfortable position. Turn crank handle counter-clockwise to close canopy.
2. Pull slider car slightly downward. Turn slider car stop pin on the slider at a 90° horizontal position. Continue to pull slider car downward until car comes to a stop and umbrella is fully closed.
3. Turn knob back to vertical position to lock car into place.
4. Strap the canopy to the mast with the strap.

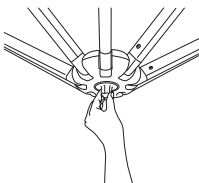
LIGHT ADAPTER

To open light adapter:

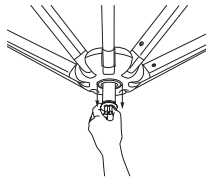
Loosen light adapter built into the umbrella runner by turning counter-clockwise. After loosening, pull down light adapter post and attach umbrella light (sold separately).

To close light adapter:

Gently push up the light adapter post back into umbrella runner and tighten turning clockwise **NOTE:** It is not necessary to remove light to close umbrella.



Turn counter-clockwise to open



Pull down to open

TO PROPERLY FOLD CANOPY

The 100% solution dyed canopy will last longer if you fold it as it was packed and shipped. This technique is similar to the way a parachute is folded and is especially important when folding the canopy for seasonal storage or when the Polaris is closed position for an extended period of time.

Using this technique at all times will significantly extend the life of the canopy.

1. When the canopy has been fully lowered, stand in front of the canopy structure and begin the folding process by pulling out two panels opposite the mast. Pull the two panels together and roll tight into the canopy.
2. Once rolled tight, pull adjacent panels out one at a time and fold to the center, alternating sides until all the panels have been pulled out from the arms and folded into the center.
3. Strap the canopy to the mast with the strap.

PROTECTIVE COVER

1. Screw rods together and insert into slit of the cover.
2. Unzip cover.
3. Using the rod as a guide, slide cover over your umbrella.
4. Attach rod with key ring to the zipper.
5. Pull on string to zip down your cover and tie.

MAINTAINING FRAME & FITTINGS

1. Hose mast and frame with water periodically, more often if installation is in a salty or industrial environment.
2. Inspect the installation fitting on a regular basis and tighten if necessary.
3. Lubricate the track and slider car mechanism as needed to enhance the ease of operation.

MAINTAINING CANOPY FABRIC

1. Clean up spills and stains right away. Spills can be removed by using a clean, absorbent cloth.
2. For general maintenance, use a soft brush to remove dust and dry soil or wash down with clean, warm water (i.e. garden hose) every so often so dirt does not become engrained. Allow the fabric to dry naturally before closing the canopy.
3. If a thorough cleaning is necessary, sponge over the fabric using a mild soap solution (2% solution). Rinse well with plenty of water to remove all soap residue.
4. Never use detergents, cleaning fluids, or solvents. Grease and oil stains may be removed by using turpentine or similar with an absorbent cloth.
5. We recommend giving the canopy a good clean on a more frequent basis if installed in a location where the canopy is likely to become soiled.

REMOVAL & REPLACEMENT OF CANOPY

Follow these instructions should you choose to replace your canopy with a new canopy.

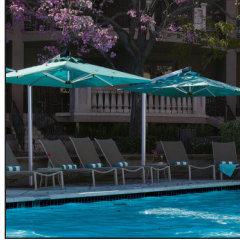
1. Lower the canopy to the closed position.
2. Velcro at connection of main arm.
3. Remove the button/screw at the end of each arm.
4. Separate the Velcro strap along the main canopy arm and remove the canopy from the structure.
5. To replace the canopy, reverse the above process.

OTHER SHADEMAKER STYLES AVAILABLE

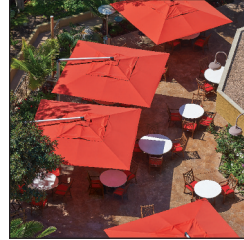
Side Posts



Sirius



Orion



Galaxy

Center Posts

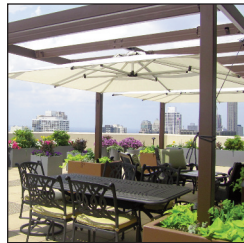


Corona



Astral-TC

Beam Mount



Nova

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