



Product Specifications for the Uhlmann Type T Umbrellas

The Frame

The Type T Umbrellas are manufactured with 8 exceptionally strong roof supporting arms. The longer roofing arms are reinforced inside for increased rigidity. Joints are made of high quality stainless steel. Standard powder coating is RAL 9016 Traffic White. Optional colors include black, gray, silver and bronze, wood and marble.



Outside Dimensions:

Round from 3.00 m to 6.5 m diameter
(approx. 9' 10" to 21' 4")

Square from 2x2 to 5x5 meters
(approx. 6' 7" x 6' 7" to 16' 5" x 16' 5")

Rectangular from 2.5x2 to 6.5x4 meters
(approx. 8' 2" x 6' 7" to 21' 4" x 13' 1")

Mast Diameter: 80mm (approx. 3 1/8")

Material Thickness: 3mm or 4mm
(approx. 1/8 or 5/32 inches)

Arm Dimensions: 35x25x2mm or 45x25x2mm
(approx. 1 3/8 x 1.0 x 1/12 inches
1 3/8 x 1.0 x 1/12 inches)

The Mechanics

Telescopic design, with cranked level operation. Maintenance free gearbox built into the mast and rotates the spindle lift. High density plastic bearing guided to prevent rotation and twisting. All arms are individually attached to the frame for easy serviceability.

The Canopy

Dolan (or Sunbrella) - a strong awning and marine grade material

100% solution dyed Sunacrylic fabric, 290 g/m² weight, 90% UV filter, Cleangard treated
22 standard and 50 plus specialty colors

Airtex - Acrylic/Teflon on top side - a lighter weight material

195 g/m² weight, 80% UV filter, temperature resistance -20C° to 70C°
28 standard colors

Optional Accessories

- **Rain gutters** for continuous weather protection or to connect umbrellas to a building - can be applied to umbrellas with or without valance
Easy to attach and remove **side panels** with optional transparent windows (up to 54" tall) and roll-up door – are also available with skirting - can be applied to umbrellas with or without valance
- **Screen-Printing** on roof sections or valances available up to up to 3.45m x 1.4m size and up to 6 colors
- **Protective covers** matched to umbrella size to shield canopy from dirt during installation and storing
- **Heaters** – energy efficient Tansun Rio 015 230V 1500W 6.5A infrared heaters with extreme shock resistant heater elements with 5000 hrs service life - four per umbrella - mounted on fold down arms, using curly cables – wiring must be done at the time of assembly
- **Light Fixtures** - OSRAM Dulux Brik® EL 9W or OSRAM Lumilux Brik® EL 18W - complete with energy efficient, long lasting lamps – four per umbrella - mounted on the mast – wiring must be done at the time of assembly

Warning: Umbrellas cannot be retro-fitted for heaters and or lights after the frame is assembled. Pre-wiring is recommended at the time of ordering.



Installations

Permanent Installation	In-Ground Sleeve		Base Plate Installation			
	Concrete Base Size		Base Plate Size		Concrete Base Size	
	cm	inches	cm	inches	cm	inches
Up to 23.0 m² (250 ft²)	60x60x60	24x24x24	30x30	12x12	150x150x10	60x60x4
From 23.5 - 48.0 m² (251 ft² - 520ft²)	80x80x60	32x32x24	50x50	20x20	160x160x15	62x62x6
Over 48.0 m² (251 ft²)	100x100x60	40x40x24	50x50	20x20	165x165x20	64x64x8

Also available are custom solutions for permanent installation on roof tops and terraces, and stair step solution to bring umbrellas installed on different levels to the same height.

Portable Installation

The maximum size umbrellas recommended for portable base installation are up to 5 m diameter round (up to 16'5" diameter), 5 x 5 meter square (16'5"x16'5"), or 6.5 x 4 m rectangular (21'4"x13'1") sizes. Height adjustment for each corner of the base is standard, and portable bases for smaller Type T umbrellas are available with optional castor wheels.