PLAYCOVER® SUN SHADES









by MIRACLE RECREATION EQUIPMENT COMPANY

DURABLE | VERSATILE | STRONG

PLAYCOVER® SUN SHADES

Durable, Versatile and Strong - Miracle's PlayCover® Sun Shades have you covered, with numerous sizes of Shade Structures and Shade Toppers that can be mounted directly in playground posts or used as free-standing units. The best in the industry, PlayCover® Sun Shades are easy to maintain.

PlayCover® Sun Shades help keep you cool and help reduce exposure to harmful UV radiation. The fabrics are tightly stitched and block up to 95% of harmful UV solar radiation with a shade factor of up to 94%. They can also withstand wind speeds of up to 90 miles per hour.

The PVC canopies are waterproof, UV resistant and anti-fungal. Plus, they contain a special easy-to-clean coating. In addition to the durable fabric, PlayCover® shades are built with all-steel frames that are wind-rated and designed to last.

Our fabric and steel posts are available in a wide variety of colors to allow you to match or compliment your playground or recreational site. **Call your local Miracle representative today for pricing or more information, 1-888-458-2752.**

PLAYCOVER® FABRIC SUN SHADES

POST MOUNTED

Pinwheel Sun Shades

Pyramid Sun Shades

FREESTANDING

Sail Sun Shades

Hip Ridge Sun Shades

2-Post Hip Ridge Sun Shades

Custom Units
Call your local rep for more information


Pinwheel


Pyramid


Sail


Hip Ridge


2-Post Hip Ridge

FABRIC SUN SHADES MODEL SELECTOR

Description	Model no	Eave Height (feet)	Roof Type	Wind Rating
FREESTANDING				
Shade 12′ Square	**33112H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 14′ Square	**33114H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 16′ Square	**33116H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 18′ Square	**33118H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 20′ Square	**33120H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 25′ Square	**33125H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 30′ Square	**33130H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 40′ Square	**33140H/P/S**	8′ or 12′	Hip/Pyramid/Sail	90mph
Shade 12′ Square w/ Easy Slide	**33312H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 14′ Square w/ Easy Slide	**33314H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 16′ Square w/ Easy Slide	**33316H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 18′ Square w/ Easy Slide	**33318H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 20′ Square w/ Easy Slide	**33320H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 25′ Square w/ Easy Slide	**33325H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 30′ Square w/ Easy Slide	**33330H/P**	8′ or 12′	Hip/Pyramid	90mph
Shade 12′ 2-Post Hip Ridge	**3311422H12**	12′	Hip	90mph
POST MOUNTED				
Square 12′ x 12′ Fabric Roof - Pyramid	**714798**	---	Pyramid	90mph
Square 12′ x 12′ Fabric Roof - Pinwheel	**714798PW**	---	Pinwheel	90mph
Square 14′ x 14′ Fabric Roof - Pyramid	**71479814**	---	Pyramid	90mph
Square 14′ x 14′ Fabric Roof - Pinwheel	**71479814PW**	---	Pinwheel	90mph
Square 18′ x 18′ Fabric Roof - Pyramid	**71479818**	---	Pyramid	90mph
Square 18′ x 18′ Fabric Roof - Pinwheel	**71479818PW**	---	Pinwheel	90mph
Hexagon 18′ Dia. Fabric Roof	**714798618**	---	Hexagon	90mph
Octagon 18′ Dia. Fabric Roof	**714798818**	---	Octagon	90mph
Decagon Roof for Pentagon Decks	**7147995**	---	Decagon	90mph

^ note 1 – 4 inches clearance to adjacent buildings, poles, trees etc. is required around the canopy overall size.

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UV resistant · rain protection · hail protection · fire resistant · wind rated · long life · easy maintenance · recyclable

PLAYCOVER® PVC UMBRELLA SERIES

GRAND CENTRAL

CANTILEVER

PORTABLE

BASTION

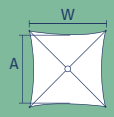
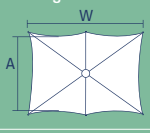
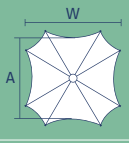
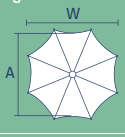
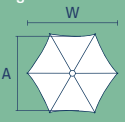
CHATEAU

TURRET

CITADEL

GRAND CENTRAL

GRAND CENTRAL MODEL SELECTOR

Canopy shape	90 mph std wind-rating Exp B* (120 mph optional Exp B*) model no	Umbrella nominal size ft. in. (area–sq. ft)	Umbrella overall width ^ see note 1 (W) ft. in.	Minimum canopy width (A) ft. in.	Umbrella diagonal overall ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.	Closed arms to baseplate (D) ft. in.
Square 	**335CS27**	8'10" x 8'10" (62)	8'10"	7'7"	12'5"	11'8"	7'10"	4'5"
	335CS32	10'5" x 10'5" (86)	10'5"	8'10"	14'7"	11'0"	7'7"	3'3"
	335CS38	12'3" x 12'3" (118)	12'3"	10'4"	17'2"	11'0"	7'7"	2'
	335CS40	13'4" x 13'4" (136)	13'4"	11'1"	18'8"	11'0"	7'5"	1'4"
	335CS45	15' x 15' (184)	15'	13'1"	21'	11'3"	7'5"	5"
	335CS50	16'7" x 16'7" (233)	16'7"	14'10"	23'3"	12'	7'10"	2"
	335CS54	18' x 18' (266)	17'8"	15'8"	24'9"	13'1"	8'6"	2"
Rectangular 	**335CR45**	14'11" x 10'5" (137)	14'11" x 10'5"	13'4" x 9'9"	18'1"	11'	7'	1'6"
	335CR53	17'5" x 12'4" (180)	17'5" x 12'4"	15'2" x 11'	21'2"	11'4"	7'	4"
Truncated square 	**335CTS43**	14'1" x 14'1" (167)	14'1"	12'2"	16'5"	11'	7'7"	2'6"
Octagonal 	**335CO40**	13'3" x 13'3" (125)	13'3" wide	11'10" wide	14'4"	11'10"	7'11"	3'7"
	335CO50	16'2" x 16'2" (182)	16'2" wide	14'3" wide	17'7"	11'	7'2"	1'9"
Hexagonal 	**335CH57**	18'6" x 18'6" (246)	18'6" wide	16'3" wide	21'3"	11'	7'1"	2"

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^ note 1 – 4 inches clearance to adjacent buildings, poles, trees etc. is required around the canopy overall size.

MEMBRANE
The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.

STEEL FINISH
The structure employs tubular steel components finished with Triplex™ brand steel protection system; abrasive blast to Class 3, application of spray galvanizing in aluminum and zinc and two coats of powder coat.

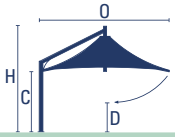
HARDWARE
All hardware inclusive of nuts, bolts and washers, wire rope cables, rigging screws, pole sleeve and shackles are stainless steel Gr.304/Gr.316. Arm end plugs are UV resistant nylon. Top hat is spun aluminum with polyester powder coat. Membrane top plate is weatherproof polyvinyl chloride (PVC) integral skin-foam.

STRUCTURE DESIGN & COMPONENTS
Structural design is to ASCE 7-02 and ANSI/AISC 360-05.

UV resistant | rain protection | hail protection | fire resistant | wind rated | long life | easy maintenance | recyclable

CANTILEVER

CANTILEVER MODEL SELECTOR



Canopy shape	90 mph std wind-rating Exp B* model no	Umbrella nominal size ft. in. (area–sq. ft)	Umbrella overall width ^ see note 1 (W) ft. in.	Minimum canopy width (A) ft. in.	Umbrella diagonal overall ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.	Overall leva size ^ see note 2 (O) ft. in.	Closed arms to baseplate (D) ft. in.
Square	**335LS27**	8'10" x 8'10" (62)	8'10"	7'7"	12'5"	11'7"	7'5"	9'4"	3'11"
	335LS32	10'5" x 10'5" (86)	10'5"	8'10"	14'7"	11'9"	7'5"	10'11"	2'11"
	335LS38	12'3" x 12'3" (118)	12'3"	10'4"	17'2"	12'2"	7'5"	12'10"	2'1"
	335LS40	13'4" x 13'4" (136)	13'4"	11'1"	18'8"	12'	7'5"	13'8"	1'3"
	335LS45	15' x 15' (184)	15'	13'1"	21'	12'4"	7'5"	15'4"	5"
	335LS50	16'7" x 16'7" (233)	16'7"	14'10"	23'3"	13'4"	7'10"	17'	2"
	335LS54	18' x 18' (266)	18'	15'8"	25'3"	14'1"	8'6"	18'5"	2"
Rectangular	**335LR45**	14'11" x 10'5" (137)	14'11" x 10'5"	13'4" x 9'9"	18'1"	12'5"	7'5"	11'4"	1'10"
	335LR53	17'5" x 12'4" (180)	17'5" x 12'4"	15'2" x 11'	21'2"	13'1"	7'5"	17'5"	8"
Truncated square	**335LTS43**	14'1" x 14'1" (167)	14'1"	12'2"	16'5"	12'	7'5"	14'6"	2'4"
Octagonal	**335LO40**	13'3" x 13'3" (125)	13'3" wide	11'10" wide	14'4"	11'5"	7'5"	13'10"	2'11"
	335LO50	16'2" x 16'2" (182)	16'2" wide	14'3" wide	17'7"	12'4"	7'5"	16'9"	1'11"
Hexagonal	**335LH57**	18'6" x 18'6" (246)	18'6" wide	16'3" wide	21'3"	12'6"	7'5"	19'	6"

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^ notes 1 – 4 inches clearance to adjacent buildings, poles, trees etc. is required around the canopy overall size
2 – The cantilever overall 'O' is from the front edge to the back of the base plate. Allowance must be made for footings

MEMBRANE

The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.

STEEL FINISH

The umbrella structure employs tubular steel components finished with Triplex™ brand steel protection system; abrasive blast to Class 3, application of spray galvanizing in aluminum and zinc and two coats of powder coat. The Cantilever boom employs tubular steel components finished with a two coating baked system; blast clean to SSPC near white anchor pattern, application of epoxy primer baked to point of gel stage and polyester topcoat baked to full cure.

HARDWARE

All hardware inclusive of nuts, bolts and washers, wire rope cables, rigging screws, pole sleeve and shackles are stainless steel Gr.304/Gr.316. Arm end plugs are UV resistant nylon. Top hat is spun aluminum with polyester powder coat. Membrane top plate is weatherproof polyvinyl chloride (PVC) integral skin-foam.

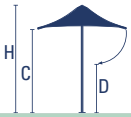
STRUCTURE DESIGN & COMPONENTS

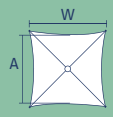
Structural design is to ASCE 7-02 and ANSI/AISC 360-05.

UV resistant · rain protection · hail protection · fire resistant · wind rated · long life · easy maintenance · recyclable

PORTABLE

PORTABLE MODEL SELECTOR



Canopy shape	Not wind-rated model no	Umbrella nominal size ft. in. (area–sq. ft)	Umbrella overall width ^ see note 1 (W) ft. in.	Minimum canopy width (A) ft. in.	Umbrella diagonal overall ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.	Closed arms to baseplate (D) ft. in.
Square 	**335P21**	6'10" x 6'10"(41)	6'10"	6'3"	9'8"	8'5"	6'7"	3'6"
	335P32	10'6" x 10'6" (88)	10'6"	9'0"	14'8"	10'0"	6'11"	2'3"

^ note 1 – 4 inches clearance to adjacent buildings, poles, trees etc. is required around the canopy overall size.

MEMBRANE

The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.

STEEL FINISH

The structure employs Gr. 316 stainless and galvanized tubular steel components finished with Triplex™ brand steel protection system; abrasive blast to Class 3, application of spray galvanizing in aluminum and zinc and two coats of powder coat.

HARDWARE

All hardware inclusive of nuts, bolts and washers, wire rope cables, rigging screws, pole sleeve and shackles are stainless steel Gr.304/Gr.316. Arm end plugs are UV resistant nylon. Top hat is spun aluminum with polyester powder coat. Membrane top plate is weatherproof polyvinyl chloride (PVC) integral skin-foam.

STRUCTURE DESIGN & COMPONENTS

Structural design is to ASCE 7-02 and ANSI/AISC 360-05.

UV resistant · rain protection · hail protection · fire resistant · long life · easy maintenance · recyclable

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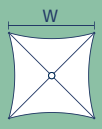
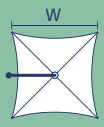
BASTION

BASTION MODEL SELECTOR

Canopy shape	Type & model no	Umbrella nominal size ft. in. (area–sq. ft)	Canopy width (W) ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.
Contour edge 	**335MS30**	10'2" x 10'2" (104)	10'2"	10'11"	7'10"
	335MS40	13'8" x 13'8" (187)	13'8"	11'6"	7'10"
	335MS50	16'11" x 16'11" (286)	16'11"	12'4"	7'10"
	335MS60	20'2" x 20'2" (407)	20'2"	14'5"	8'10"
	335MS70	23'7" x 23'7" (556)	23'7"	15'1"	8'10"
	335MS80	26'11" x 26'11" (725)	26'11"	15'11"	8'10"
	335MS90	30'6" x 30'6" (930)	30'6"	17'9"	9'10"
	335MS100	33'9" x 33'9" (1139)	33'9"	18'7"	9'10"
	335MS120	40'7" x 40'7" (1647)	40'7"	20'3"	9'10"

BASTION SIDE SUPPORTED

Canopy shape	Type & model no	Umbrella nominal size ft. in. (area–sq. ft)	Canopy width (W) ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.
Contour edge 	**335MSS30**	10'2" x 10'2" (104)	10'2"	11'10"	7'11"
	335MSS40	13'8" x 13'8" (187)	13'8"	12'10"	7'11"
	335MSS50	16'11" x 16'11" (286)	16'11"	14'	7'11"
	335MSS60	20'2" x 20'2" (407)	20'2"	16'4"	8'10"
	335MSS70	23'7" x 23'7" (556)	23'7"	17'2"	8'10"
	335MSS80	26'11" x 26'11" (725)	26'11"	18'4"	8'10"

MEMBRANE	The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.
STEEL FINISH	The structure employs tubular steel components finished with a two coating baked system; blast clean to SSPC near white anchor pattern, application of epoxy primer baked to point of gel stage and polyester topcoat baked to full cure.
HARDWARE	Hardware inclusive of nuts, bolts and washers, rigging screws and shackles are galvanized steel. The membrane edge cables are 1x19 construction, galvanized wire rope with stainless steel Gr.316 fittings. Top hat is spun aluminum with polyester powder coat. Membrane plates are mild steel finished with Triplex™ brand steel protection system.
STRUCTURE DESIGN & COMPONENTS	Structural design is to ASCE 7-10, ANSI/AISC 360-05, AISC 303-05.
WIND RATING	90mph – Exp. C** / To regional specification.

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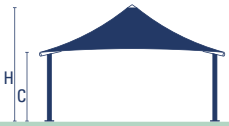
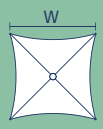
CHATEAU

CHATEAU MODEL SELECTOR

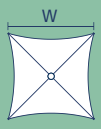


Canopy shape	Type & model no	Umbrella nominal size ft. in. (area–sq. ft)	Canopy width (W) ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.
Contour edge 	**335PS30**	10'2" x 10'2" (104)	10'2"	10'11"	7'10"
	335PS40	13'8" x 13'8" (187)	13'8"	11'6"	7'10"
	335PS50	16'11" x 16'11" (286)	16'11"	12'4"	7'10"
	335PS60	20'3" x 20'3" (410)	20'3"	14'5"	8'10"
	335PS70	23'7" x 23'7" (556)	23'7"	15'1"	8'10"
	335PS80	27' x 27' (729)	27'	15'11"	8'10"
	335PS90	30'6" x 30'6" (930)	30'6"	17'9"	9'10"
	335PS100	33'9" x 33'9" (1139)	33'9"	18'7"	9'10"
	335PS120	40'7" x 40'7" (1647)	40'7"	20'3"	9'10"

MEMBRANE	The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.
STEEL FINISH	The structure employs tubular steel components finished with a two coating baked system; blast clean to SSPC near white anchor pattern, application of epoxy primer baked to point of gel stage and polyester topcoat baked to full cure.
HARDWARE	Hardware inclusive of nuts, bolts and washers, rigging screws and shackles are galvanized steel. The membrane edge cables are 1x19 construction, galvanized wire rope with stainless steel Gr.316 fittings. Top hat is spun aluminum with polyester powder coat. Membrane plates are mild steel finished with Triplex™ brand steel protection system.
STRUCTURE DESIGN & COMPONENTS	Structural design is to ASCE 7-10, ANSI/AISC 360-05, AISC 303-05.
WIND RATING	90mph – Exp. C** / To regional specification.

TURRET

TURRET MODEL SELECTOR

Canopy shape	Type & model no	Umbrella nominal size ft. in. (area–sq. ft)	Canopy width (W) ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.
	**335QS40**	13'7" x 13'7" (185)	13'7"	11'11"	7'10"
	335QS50	16'11" x 16'11" (286)	16'11"	12'10"	7'10"
	335QS60	20'4" x 20'4" (413)	20'4"	15'	8'10"
	335QS70	23'7" x 23'7" (556)	23'7"	15'9"	8'10"
	335QS80	27'2" x 27'2" (738)	27'2"	16'11"	8'10"
	335QS90	30'6" x 30'6" (930)	30'6"	18'9"	9'10"
	335QS100	34'1" x 34'1" (1162)	34'1"	19'9"	9'10"
	335QS120	40'7" x 40'7" (1647)	40'7"	21'10"	9'10"

MEMBRANE	The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.
STEEL FINISH	The structure employs tubular steel components finished with a two coating baked system; blast clean to SSPC near white anchor pattern, application of epoxy primer baked to point of gel stage and polyester topcoat baked to full cure.
HARDWARE	Hardware inclusive of nuts, bolts and washers, rigging screws and shackles are galvanized steel. The membrane edge cables are 1x19 construction, galvanized wire rope with stainless steel Gr.316 fittings. Membrane plates are mild steel finished with Triplex™ brand steel protection system.
STRUCTURE DESIGN & COMPONENTS	Structural design is to ASCE 7-10, ANSI/AISC 360-05, AISC 303-05.
WIND RATING	90mph – Exp. C** / To regional specification.

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CITADEL

CITADEL MODEL SELECTOR

Canopy shape	Type & model no	Umbrella nominal size ft. in. (area–sq. ft)	Canopy width (W) ft. in.	Overall height (H) ft. in.	Under canopy clearance (C) ft. in.
	**335ST60**	20'2" x 20'2" (407)	20'2"	14'7"	9'6"
	335ST70	23'7" x 23'7" (556)	23'7"	15'3"	9'6"
	335ST80	26'11 x 26'11" (725)	26'11"	16'2"	9'6"
	335ST90	30'6" x 30'6" (930)	30'6"	18'	10'6"
	335ST100	33'9" x 33'9" (1139)	33'9"	18'10"	10'6"
	335ST120	40'7" x 40'7" (1647)	40'7"	20'5"	10'6"

MEMBRANE	The tensile membrane is fabricated from long life, 100% UV stabilized, waterproof, architectural grade polyvinyl chloride (PVC) coated polyester fabric with polyvinylidene fluoride (PVDF) finish to both sides, protected against microbial and fungal attack.
STEEL FINISH	The structure employs tubular steel components finished with a two coating baked system; blast clean to SSPC near white anchor pattern, application of epoxy primer baked to point of gel stage and polyester topcoat baked to full cure. The column is hot dip galvanized
HARDWARE	Hardware inclusive of nuts, bolts and washers, rigging screws and shackles are galvanized steel. The membrane edge cables are 1x19 construction, galvanized wire rope with stainless steel Gr.316 fittings. Membrane plates are mild steel finished with Triplex™ brand steel protection system.
STRUCTURE DESIGN & COMPONENTS	Structural design is to ASCE 7-10, ANSI/AISC 360-05, AISC 303-05.
WIND RATING	90mph – Exp. C** / To regional specification.

UV resistant | rain protection | hail protection | fire resistant | wind rated | long life | easy maintenance | recyclable

We constantly strive to remain at the forefront of tensile membrane structure technology.
It is for this reason that we reserve the right to improve/alter our model specifications without notice.

TECHNICAL DETAILS

Miracle's PlayCover® Umbrellas are available in a range of shapes and sizes, and can be customized to suit each site using our wide range of accessories, including lighting and misting.

Our umbrellas can be installed and affixed to most surfaces, including concrete footings and slabs. The structures are easy to transport and arrive at the site fully preassembled. Miracle PlayCover® Umbrellas are designed to a standard wind rating of 90mph, Exp B, and an optional upgrade to 120mph Exp B. They also provide exceptional UVA and UVB protection and feature the Triplex™ steel protection powder coat system, state of the art fabrics and stainless steel cables and fittings.

STRENGTH

High frequency butt-joint welded canopy panels with tape reinforcing – the best industry practice for strength while providing an attractive smooth finish. Canopy perimeters are stitched using Tenara® polytetrafluoroethylene (PTFE) sewing thread unaffected by UV, salt water, acid rain, pollutants or micro-organisms.

DURABILITY

All steel frame constructions are wind-rated, commercial quality and designed to last.

CONVENIENCE

The polyvinyl chloride (PVC) canopy is waterproof, UV resistant, anti-fungal, easy-clean polyvinylidene fluoride (PVDF) coating – industry leading fabric technology means long life with low maintenance.

TENSION

Marine grade 316 stainless steel under arm cables with tension adjustment ensures membrane tension can be maintained over time.

COLLAPSIBLE

With our patented lever erection system you can erect and collapse most models in seconds and there are no internal gear boxes to jam or fail.

COLOR

Choose from a wide range of fabric and steel color variations.

BRANDING

All canopies are suitable for promotional branding. Combine signage with lighting to double the impact.

MISTING

Celmist® evaporative cooling systems by HeatRay America can be factory fitted or installed on site to keep patrons cool during the hotter seasons.

LINKING KITS

Streamline the umbrellas by linking them as one continuous structure creating uninterrupted weather protection.

LIGHTING

Celite lighting systems can be factory fitted or installed on site to keep the covered premises bright regardless of the season.

SWIVEL CANTILEVER OPTION

Allows for full 360 degree rotation for convenient, dynamic coverage.

PAVEMENT SOCKET

Suits hard or soft surfaces, for clients who need to use their structure to suit any function.

DOUBLE BOOM

Consider the convenience of multiple canopies from one column.

LINKING KITS

MISTING

PAVEMENT SOCKET

DOUBLE BOOM

COLOR SELECTOR

FABRIC COLORS

PVC (Collapsible & Modular Structures)


White (7205)

Champagne

Light gray


Bordeaux


Red (502–8255)


Moss green (502–2158)


Tennis green (502–8056)


Black (502–8450)

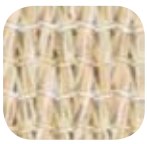
PTFE (Modular Structures)

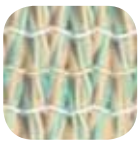

White (bleached)

Natural (not bleached) ^

HDPE (Fabric Sun Shades)


Natural


Desert Sand


Rivergum Green


Brunswick Green


Turquoise

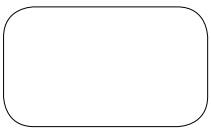

Aquatic Blue


Navy Blue


Cherry Red

STEEL COLORS

Paint or powder coat


White pearl (81880)

Primrose (84365)


APO grey (32786)


Claret (32774)

Ocean mist (83250)


Precious silver pearl (57225)


Classic Hawthorn green (33709)


Black satin (19268)

Galvanized

Stainless steel

The colors represented on this selector are as close to the actual color as printing methods will allow. For samples please contact your Miracle expert.

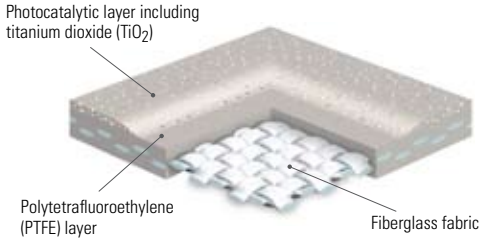
TiO_2 PHOTOCATALYTIC MEMBRANE

The unique self-cleaning benefits of TiO_2 allow the material to break down dirt and other organic materials through a chemical reaction with the sun's UV rays, oxygen and water vapor, present in the air.

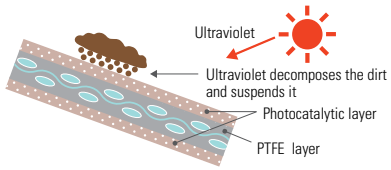
This reaction, known as oxidation-reduction, converts these materials into harmless gases and natural components without using excess chemicals, solvents or water. The resulting sediments are simply washed away by rain. As a result, the membrane material remains bright and clean, reducing the need for frequent service.

PVC coated fabric after 5 months outdoor (Saitama, Japan)

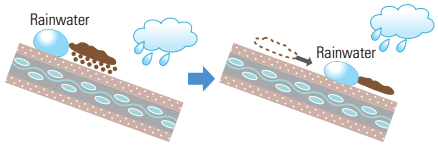
PTFE-COATED FABRIC WITH TiO_2



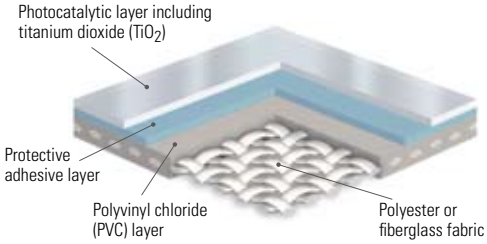
1 SUN LIGHT DECOMPOSES THE DIRT



2 RAIN WASHES AWAY THE DIRT



PVC-COATED FABRIC WITH TiO_2



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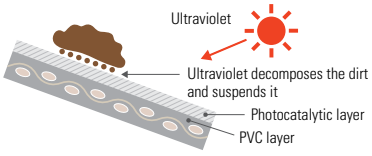
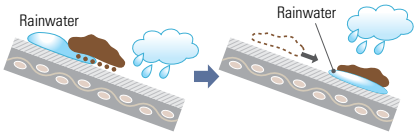


2 RAIN SUSPENDS AND WASHES AWAY THE DIRT



CELMIST

Celmist is an evaporative cooling system which reduces the temperature of the surrounding air by an average of 9K (16˚F/ 9˚C). Celmist has been designed to integrate with all standard HeatRay Umbrella Systems: CS32, CS38, CTS43, CS40 and CS50. Non-standard Celmist systems can also be designed for custom structures or existing structures.

Standard Celmist models SU are available for small umbrellas, HeatRay CS32 & CS38; and Celmist models LU for large umbrellas, HeatRay CTS43, CS40 & CS50 and Celmist models LU for large umbrellas, HeatRay ATS, AS & ALS.

SENSOR CONTROLLED HUMIDITY
A Humidity Sensor located within the umbrella space automatically adjusts humidity to ensure the most comfortable temperature for patrons.

INTERMITTENT OR CONTINUOUS OPERATION
A programmable solid state Controller with Auto / Manual operation modes enables the system to operate in intermittent humidity control mode or continuous operation in manual mode.

REMOTE SWITCH
A remote On/Off switch can be integrated with the ERH heating system's remote switch station.

OVERLOAD PROTECTION
In built protection against thermal overload & interruption to water supply.

	Celmist model no.	No. of umbrellas	No. of nozzles	LPM	Coverage area sq. ft. (sq. m.)
Small Umbrellas	**2SU**	2	8	1	200 (20)
	3SU	3	12	1	300 (30)
	4SU	4	16	1	400 (40)
	5SU	5	20	1	500 (50)
Large Umbrellas	**1LU**	1	8	1	200 (20)
	2LU	2	16	1	400 (40)
	3LU	3	24	2	600 (60)
	4LU	4	32	2	800 (80)
	5LU	5	40	2	1000 (100)

CELIGHT

Celight is designed to integrate with the HeatRay Umbrella. The Celight is positioned on top of the umbrella arm to reflect light off the membrane creating a softer, level lux under the umbrella whilst creating an attractive glow from outside.

SPECIFICATIONS
> Fluorescent G23 type globe / 2750K
> Curve shaped light fixture complete with pearl carbonate diffuser – wide range
> 191/2"L x 21/3" W x 2"H
> Side span – 120 degrees, forward bias
> Power – 9W/0.1 Amp – 120V/1Ph/60Hz
> UL approved

LIGHTING & MISTING

celmist®
by celmec

Celmist is an evaporative cooling system, specially designed to be fully integrated with Miracle PlayCover® Umbrellas.

The cooling effect is governed by the relative humidity within the umbrella space. The average temperature drop on a hot day is 16˚F (9K/9˚C). Celmist systems are modular in design with one pump serving a number of umbrellas, catering for small to large installations.

Purpose designed weather accessories maximize the performance of Celmist Systems. Linking umbrellas will provide a larger area coverage.

Fulfill maximum occupancy and extended trading hours. Suitable for collapsible and modular systems to ensure outdoor comfort on demand all year round.

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