

9403 STATE SERIES

SPECIFICATIONS

GENERAL

The 9403TF State series is a historical four-sided fixture. It consists of a decorative cast curved roof, a cast cage with acrylic lenses and a lift hinge access door and/or hinged roof for relamping. The roof shall be appointed with a decorative cast finial.

POST FITTER

The fitter or base shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an inside diameter opening to fit a 3" diameter pole or tenon. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon.

BALLAST

The ballast shall be remote mounted in the base of the pole, pole shaft, arm or ballast box. The 9403BB and 9403TFBB shall have an integral ballast compartment. The ballast housing shall be heavy wall cast aluminum, 356 alloy for high tensile strength. The housing shall be an integral part of the fixture and cast in one piece to ensure a water-tight compartment. The ballast shall be attached to the ballast housing to ensure high capacity heat sinking of ballast temperatures, keeping the ballast cooler and ensuring long life. The ballast shall be mounted on a pull out door for easy ballast maintenance.

ELECTRICAL

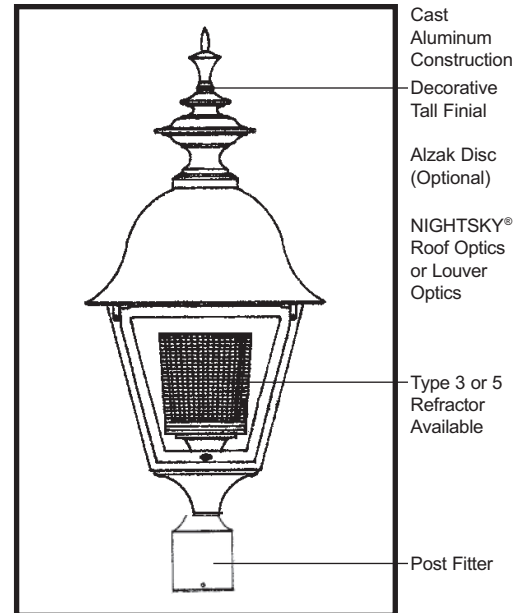
Fixture shall be U.L. or E.T.L. listed in U.S. and Canada. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium base and mogul base porcelain sockets are 4KV rated. All compact fluorescent (PL) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket to accept quad or triple tube lamps. Ballasts shall be DOE EISA compliant.

FIXTURE HOUSING

The 9403 fixture shall be 15^{1/2}" wide and the overall height shall be 36". It shall be made of heavy wall cast aluminum, 356 alloy and lenses shall be made of vandal resistant acrylic, available in clear (CA), clear seeded (CSA), clear textured (CTA), prismatic (PA), and white (WA) acrylic. The fixture cage shall be cast in one piece. The Model 9403 shall be appointed with a cast square cupola house and roof finial. The Model 9403TF shall be appointed with a decorative cast 6" diameter tall finial. The Model 9403 cage shall have a closed bottom. The Model 9403FB shall have a four legged open cage bottom.

OPTICAL OPTIONS

Refractors shall be 6" diameter borosilicate glass with an I.E.S. Type 3 (RE3) or Type 5 (RE5) distribution. It shall be secured to the socket stem with ^{3/8}" plated steel threaded pipe nipple and rest on a cast aluminum holder with anti-shock gasket. The refractor will be secured to cast holder with a quarter-turn internal aluminum twist ring for ease of maintenance.

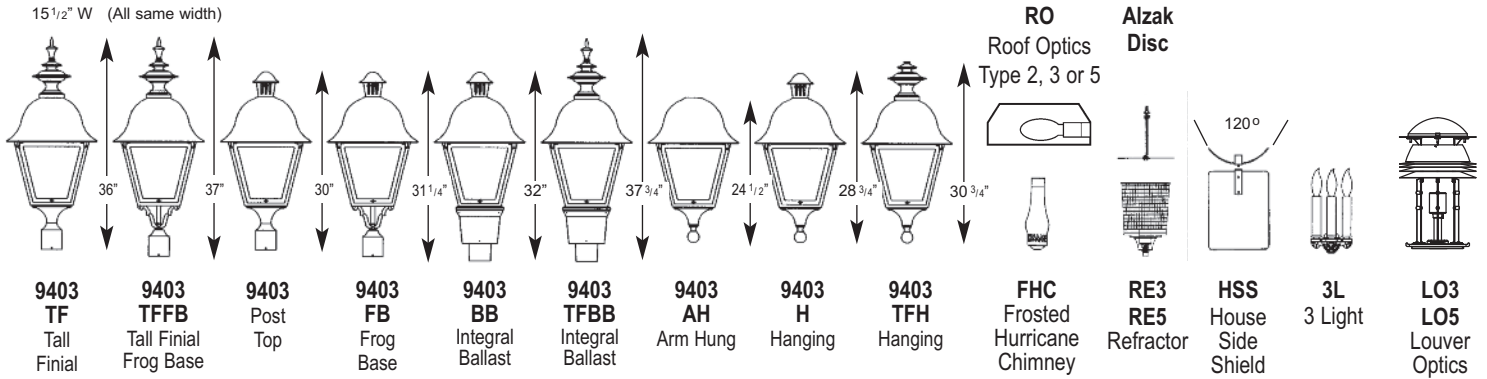


EPA = 2.15 (ft²)
WEIGHT = 19 LBS

9403 STATE

FIXTURES/ARMS PM-WB

FIXTURES / OPTICAL SYSTEMS



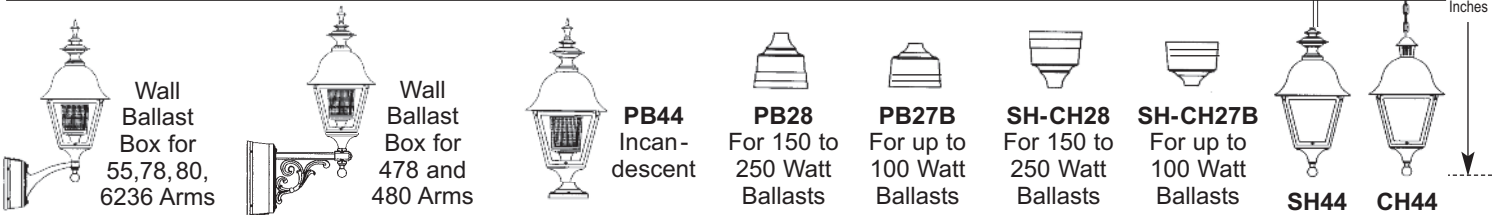
LENSES



BALLASTED WALL MOUNTS (BB)

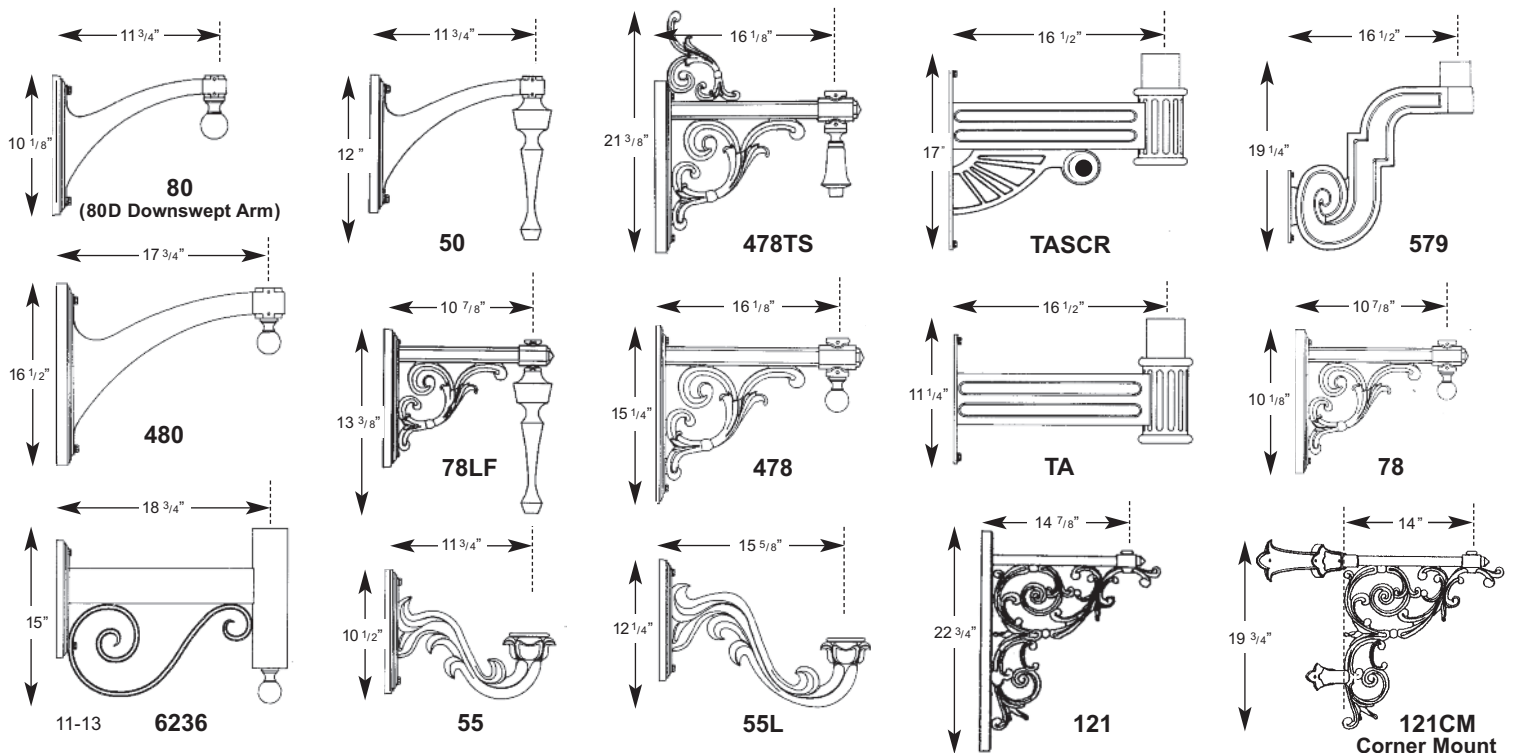
PIER MOUNTS (PB)

HANGING BRACKETS



ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information



BUILDING A PART NUMBER

POST & ARM FIXTURES

ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	LENS	FINISH
NO. OF ARMS FIXTURE / POSTARM	FIXTURE	(See Post Section)		WATTS / TYPE / VOLTS				
2	9403TF/478PM	PT	3412FP4	TFCC	100 HPS120	RE3	HPS100/MED	CSA / BK

WALL FIXTURES

FIXTURE / WALLBRACKET	LIGHT SOURCE BALLAST	OPTICS	LENS	OPTIONS	FINISH	PIER FIXTURES
WATTS / TYPE / VOLTS						Uses same information boxes as wall fixture
9403AH/80WBBB	100 HPS120	RE3	CA	HRS100/MED	BK	9403FB/D/PB28
						FIXTURE / PIER BASE

HANGING FIXTURES

FIXTURE / HANGING BRACKET	OVERALL DROP IN INCHES	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	LENS	FINISH
WATTS / TYPE / VOLTS		WATTS / TYPE / VOLTS				
9403TFH/CH28	48 INCHES	100 HPS120	FC	HRS100/MED	CSA	BK

PART NUMBER SELECTIONS

FIXTURES

- 9403TF
- 9403TFBB
- 9403
- 9403FB
- 9403BB
- 9403TBB
- 9403AH
- 9403H
- 9403TFH

OPTICS

- RE3
- RE5
- ALZAK
- HSS
- LO3
- LO5
- RO2^{6,7}
- RO3^{6,7}
- RO5^{6,7}
- FHC³
- 3L

POST ARMS

- 78PM
- 78LFPM
- 478PM
- 478TSPM
- 80LFPM
- 80PM
- 480PM
- 55PM
- 55LPM
- 121PM
- 6236PM
- 579PT
- TAPT
- TASCRIPT

VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI
(120-277)

WALL BRACKET ARMS

- 78WB
- 78LFWB
- 478WB
- 478TSWB
- 80WB
- 80DLWB
- 480WB
- 480DWB
- 55WB
- 55LWB
- 6236WB
- 579WB
- TAWB
- TASCROWB
- 121WB
- 121CMWB

WALL BRACKET ARMS WITH BALLAST BOX

- 78WBB
- 78LFWBBB
- 478WBBB
- 478TSWBBB
- 80WBBB
- 80DLWBBB
- 50WBBB
- 50DWBBB
- 480WBBB
- 55WBBB
- 55LFWBBB
- 6236WBBB
- TAWBBB
- TASCROWB
- 121WBBB⁵

HANGING BRACKETS

- CH44
- SH44
- CH27BB
- SH27BB
- CH28
- SH28

LENSES

- CSA
- CA
- CTA
- PA
- WA

BALLASTS^{1,4,8}

- 35HPS²
- 50HPS
- 70HPS
- 100HPS
- 150HPS
- 250HPS
- 50MHP
- 70MHP
- 100MHP
- 150MHP
- 175MHP⁹
- 200MHP
- 250MHP
- 26PLT
- 32PLT
- 42PLT
- INCAND

LAMPS⁸

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS250/MOG/ED18
- MHP50/MED
- MHP70/MED
- MHP100/MED
- MHP150/MED
- MHP175/MOG/ED28⁹
- MHP200/MOG/ED28
- MHP250/MOG/ED28
- PLT26
- PLT32
- PLT42

PIER BASES

- PB44
- PB28
- PB27B

STANDARD FINISHES*

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

*Smooth Finishes are available upon request

CUSTOM FINISHES

- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

STERNBERG SELECT FINISHES

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

NOTES:

¹ Pole mounted fixtures - requires ballast to be mounted in pole base.

¹ Wall mounted fixtures - requires wall bracket arms with ballast box.

¹ Pier mounted fixtures - requires PB28 or PB27B if ballasted.

¹ Hanging fixtures - require CH/SH28 or CH/SH27B if ballasted.

² 35HPS is 120 volt only.

³ Medium base socket only when used to house lamp.

⁴ Medium base sockets standard with ballasts up to 150 watts HID. Mogul base sockets are standard with ballasts 200 watts and over. 4-Pin for PL ⁵ Custom ballast box. ⁶ Medium base lamp only. Consult factory for mogul base. ⁷ Can support PLH or PLT up to 60W.

⁸ Metal halide systems are pulse start. ⁹ Consult factory for limitations.

9403 STATE SERIES

SPECIFICATIONS

LIST NO. 9403 STATE SERIES

with 7" diameter rings to produce an I.E.S. cut-off Type 3 or 5 distribution. The Louver Optic System shall be made of highly specular anodized aluminum and shall come standard with medium base socket.

NIGHTSKY® STAR-SHIELD® Roof Optics distribution shall be delivered by multi-segmented roof mounted reflector systems which eliminate uplight and provide cut-off. The reflector cavity shall be made of specular anodized aluminum. Roof Optics Type 2 (RO2), Type 3 (RO3), Type 5 (RO5) horizontal are available for medium base lamps.

Frosted Glass Hurricane Chimney (FHC) is an optic option which adds an authentic touch and can be used with Roof Optics.

House Side Shield (HSS) is an option which will block up to 120° of light in any one direction.

3-Light (3L) candelabra set is an option for incandescent application.

PHOTOCELLS

Photocells shall be either the thermo bi-metal button type or the electronic button type. On single post top fixtures the photocell shall be mounted in the fitter and pre-wired to ballast. On multiple head fixture assemblies photocells shall be mounted in the pole shaft on an access plate and are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source. The thermo bi-metal photocell shall be designed to turn on at 1.0 footcandle and turn off at not more than 5 footcandles. The electronic button type photocell is instant on and a 5-10 second turn off and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocells are either 120 volt or 208 thru 277 volt.

ARMS

All arms are made of cast aluminum and/or extruded aluminum. Arms with decorative filigree have meticulously detailed scroll work and gracefully curved brackets. All 9403 fixtures will have its fitter either welded to the arm or will be mechanically attached at the factory to ensure arms will be plumb, secure and level over the life of the installation. Each arm shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base. Twin TA, TASCAR and 579 arms will be attached to a decorative center hub which will slip-fit the center tenon of the pole (not shown). BA and 779 arms are available as a twin application. Arms are pre-wired for ease of installation.

FINISH

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

WARRANTY

Five-year limited warranty. See product and finish warranty guide for details.

