

**Click here for alternative fixtures for site areas not fronting right-of-way streets.**

### GENERAL

The D650 Boulevard series is a traditional acorn style fixture which consists of a decorative cast aluminum fitter, cast ballast housing assembly and polycarbonate or acrylic clear textured acorn globe. It shall be appointed with a cast aluminum decorative 4 vane finial.

### FITTER

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have an 8 1/4" inside diameter opening to attach to the 8" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be welded to the pole top or tenon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

### BALLAST HOUSING

The ballast housing shall be heavy wall cast aluminum, 319 alloy for high tensile strength. The housing shall be mounted to the cast fitter with two screws and to include a one-piece water gasket ring to prevent water entry into the ballast compartment. The ballast shall be attached to the ballast housing by two aluminum wide faced "Z" brackets to ensure high capacity heat sinking of ballast temperatures, keeping the ballast cooler and ensuring long life.

### ELECTRICAL

Fixture shall be listed. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degree F. Medium base and mogul base porcelain sockets are 4KV rated. The ballast/socket assembly shall be pre-wired when ballast is located in the fitter. 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.

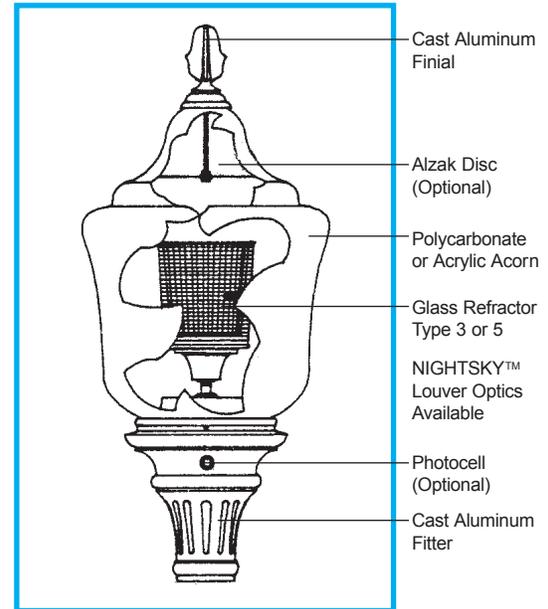
### ACORN GLOBE

The acorn globe shall be 16" in diameter and 24" tall with an 8" diameter neck. It will be made of vandal resistant clear textured polycarbonate or dent resistant (DR) clear textured acrylic. White textured polycarbonate is also available. The acorn globe is available in a solid roof (D650SR) for added distinction and reduced up-light. The solid roof will be made of spun aluminum and securely affixed to the top of the acorn.

### OPTICAL OPTIONS

Refractors shall be 6" diameter borosilicate glass with an I.E.S. Type 3 (RE3G) or Type 5 (RE5G) distribution. It shall be secured to the socket stem with 3/8" steel anodized 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. The optional Alzak Disc is an optical shield to help direct light downward. It shall be 7" diameter and made of specular reflective aluminum and mounted directly above lamp.

NIGHTSKY™ Louver Optics Type 3 (LO3) distribution or Type 5 (LO5) distribution shall be a 5-tier reflector system with 6 3/4" diameter reflectors which eliminates uplight, provides sharp



## D650 / D650SR BOULEVARD SERIES

## SPECIFICATIONS

**LIST NO.  
D650 / D650SR  
BOULEVARD  
SERIES**

cut-off, while reducing glare. The NIGHTSKY<sup>®</sup> Louver Optics System uses a vertically mounted lamp and shall be made of specular anodized aluminum and can be used with medium or mogul base lamps.

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

**QUARTZ RE-STRIKE**

The D650 fixture can be supplied with an optional quartz re-strike system to retain constant fixture light if the H.I.D. lamp fails. The fixture will be equipped with a 100 watt quartz lamp and a controller to run on a 120 volt circuit and must be used in conjunction with a 120 volt or multi-tap ballast.

**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. On multiple head fixture assemblies photocells shall be mounted in the pole shaft on an access plate. 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 of 2-3 footcandles. Photocells are either 120 volt or 208 thru 277 volt. Photocells are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source.

**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. D650 fixtures will have its fitter welded or mechanically attached to the arm 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. TA and 579 arms will be attached to a decorative center hub which will slip-fit the center tenon of the pole. Arms are pre-wired for ease of installation.

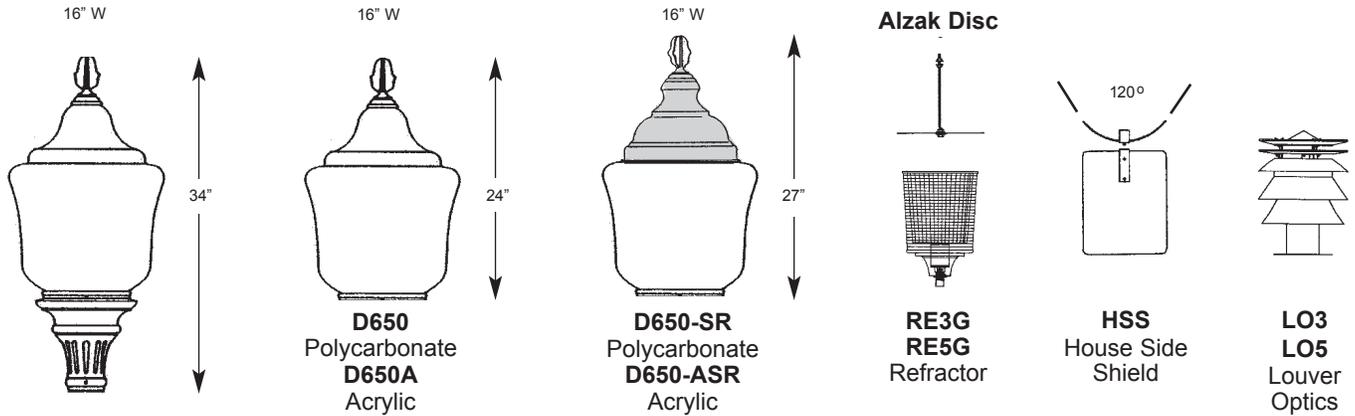
**FINISH**

Prior to coating, each assembly will be ground etched or sandblasted to create a uniform surface texture and to ensure superior bonding of primer and finish coat. Two coats of wash primer shall be applied to increase bonding strength followed by two coats of Sherwin Williams semi-gloss industrial enamel. Powder coating is available, consult factory. The total assembly is then wrapped in shockproof wrapping and fully enclosed in corrugated cartons.

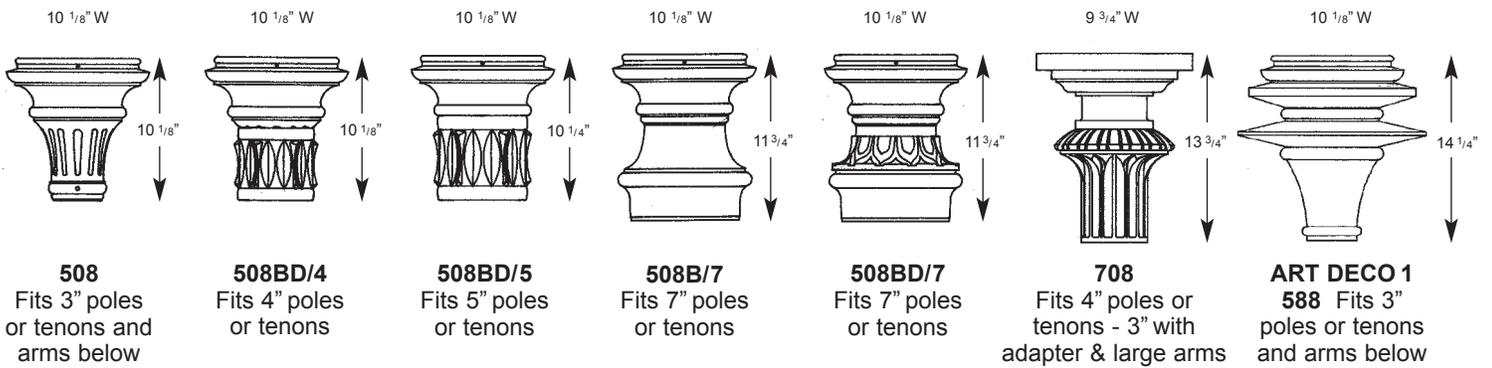
**WARRANTY**

Three-year limited warranty. See warranty literature for details.

### ACORNS / OPTICAL SYSTEMS

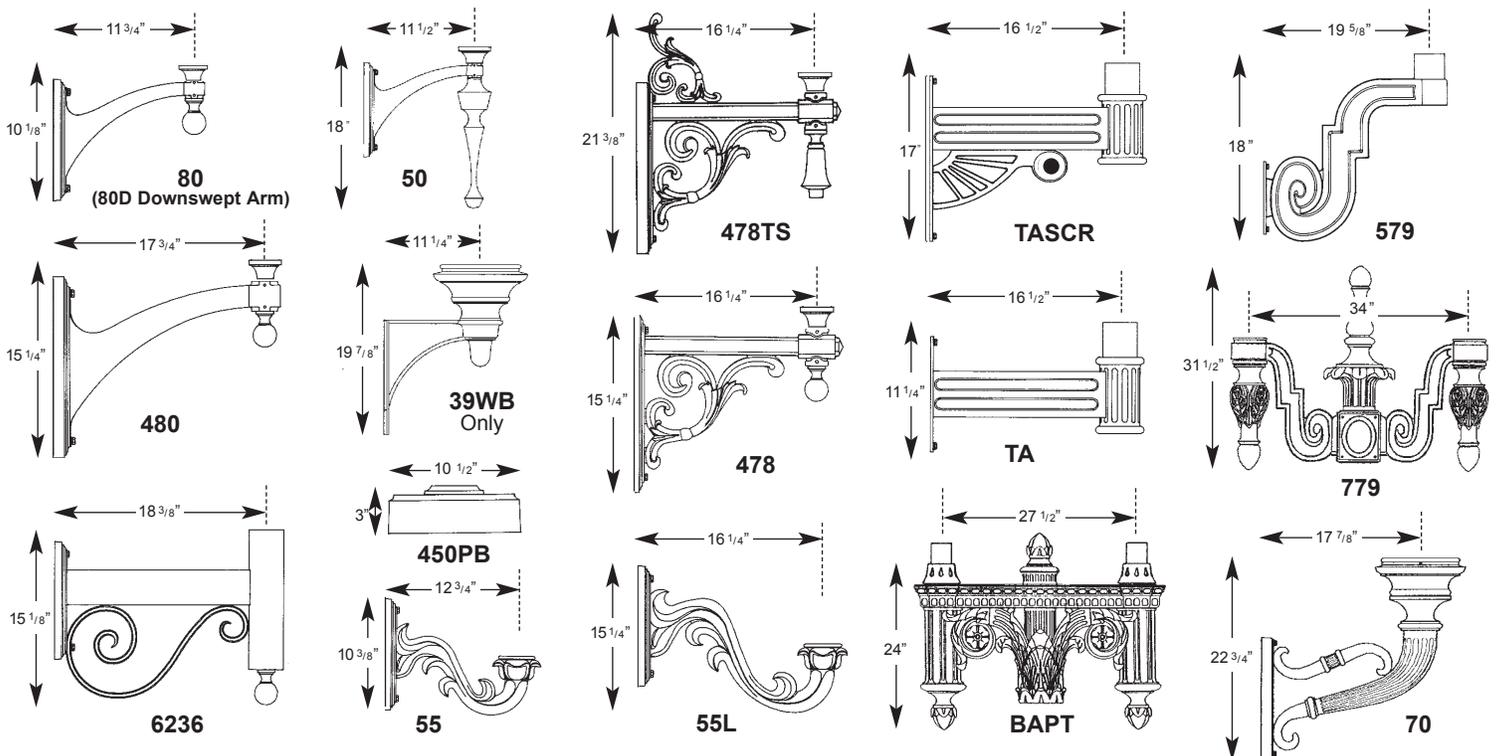


### FITTERS

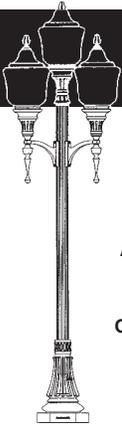


### ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

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	FINISH
NO. OF ARMS ACORN / FITTER / POSTARM	ACORN / FITTER	(See Post Section)		WATTS / TYPE / VOLTS			
2 —	D650/508/50PM / D650/508	PT / 4412 DFP4		100 HPS120	RE5G	PEC1/QR	BK



**WALL FIXTURES**

ACORN / FITTER / WALLBRACKET	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
D650/508/50WB	100 HPS120	RE5G	PEC1	BK



**PIER FIXTURES**  
Uses same information boxes as wall fixture

D650/508/450PB

ACORN / FITTER / PIER BASE

**PART NUMBER SELECTIONS**

**ACORNS<sup>3</sup>**

- D650
- D650A
- D650SR
- D8650ASR

**FITTERS**

- 508
- 508BD/4
- 508BD/5
- 508BD/7
- 508B7
- 588
- 708

**OPTICS**

- RE3G
- RE5G
- ALZAK
- HSS
- LO3
- LO5

**POST ARMS**

- 50PM
- 50DPM
- 478PM
- 478TSPM
- 70PM
- 80PM
- 80DPM
- 480PM
- 480DPM
- 55PM
- 55LPM
- 779PM
- 6236PM
- 579PT
- TAPT
- TASCRIPT
- BAPT

**VOLTAGES**

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

**WALL BRACKET ARMS**

- 50WB
- 50DWB
- 478WB
- 478TSWB
- 70WB
- 80WB
- 80DWB
- 480WB
- 480DWB
- 55WB
- 55LWB
- 6236WB
- 579WB
- TAWB
- TASCRRWB
- 39WB

**PIER BASE**

- 450PB

**BALLASTS**

- 35HPS<sup>1</sup>
- 50HPS<sup>2</sup>
- 70HPS
- 100HPS
- 150HPS
- 200HPS
- 250HPS
- 50MH
- 70MH
- 100MH
- 150MH
- 175MH
- 250MH
- 26PLT
- 32PLT
- 42PLT
- INCAND

**LAMPS<sup>4</sup>**

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- HPS250/MOG
- MH50/MED
- MH70/MED
- MH100/MED
- MH150/MED
- MH175/MED
- MH250/MOG
- PLT26
- PLT32
- PLT42

**OPTIONS**

- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- FHS Single Fuse and Holder-120,277 Volt
- FHD Dual Fuse and Holder-208,240,480 Volt
- QR Quartz Re-Strike
- PF Pineapple Finial or Font (TA,TASCR)
- BF Ball Finial or Font (TA,TASCR)
- LAMPS Select from list

**FINISHES STANDARD**

- BK Black
- VG Verde Green
- PG Park Green
- ABZ Arch Med Bronze
- SI Swedish Iron

**FINISHES CUSTOM**

- WH White
- RT Rust
- DB Dark Bronze
- CM Custom Match

**NOTES:**

- <sup>1</sup>35HPS is 120 volt only.
- <sup>2</sup>50HPS available as 120 or 277 volt only. Other are special order.
- <sup>3</sup>White polycarbonate acorns are available specify WP after acorn number.
- <sup>4</sup>Standard is clear, for coated HID

lamps add C (MH70/C/MED). Medium base sockets standard with ballasts up to 175 watts. Mogul base sockets are standard with ballasts 200 watts and over. Mercury vapor ballasts and induction lamps are available.