S640 SEVILLE SERIES

GENERAL
The Seville S640 series is a large scale, European styled Mediterranean Colonial fixture, featuring a tapered four-sided cage and roof on a decorative open base. The four-paneled roof lantern shall be appointed with a decorative cast aluminum cupola.

POST FITTER
When fixture is ordered for post mounting, the open base shall be attached to a heavy wall, cast aluminum post fitter.

BALLAST HOUSING
The ballast shall be mounted in the roof of the fixture when the closed roof with refractor or frosted chimney option is chosen. The ballast can be mounted in a remote location or in the base of the pole, or when wall mounted, in the optional ballast box compartment.

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. The ballast/socket assembly shall be pre-wired when ballast is located in the fixture. 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 S640 fixture shall be 18” wide and the overall height shall be 35”. It shall be made of heavy wall cast aluminum. The central frame shall be made as a single piece. The roof is a solid die-cast aluminum and it is hinged to the central frame for easy of maintenance. The fixture lens shall be made of vandal resistant acrylic, available in clear polycarbonate (CP), clear acrylic (CA), clear seeded (CSA), clear textured (CTA), prismatic (PA) and white (WA) acrylic. When the four paneled open roof option is selected, it shall be lensed as well.

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.

NIGHTSKY® STAR-SHIELD® Roof Optics (closed roof version only) 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 Horizontal; Type 2 (RO2), Type 3 (RO3), Type 5 (RO5) are available for medium base lamps.

(Continued on back page)
S640 SEVILLE

**FIXTURES / OPTICAL SYSTEMS**

- **18" W**
- **35°**

**S640CR**
- Closed Roof

**S640OR**
- Open Roof

**PB44**
- Pier Mount

**PB27**
- Pier Mount

**PB28**
- Pier Mount

**PB44**
- For up to 100 Watt Ballasts

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**RE3**
- Roof Optics Horizontal 2, 3 or 5

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**HSS**
- House Side Shield

**FHC**
- Frosted Hurricane Chimney

**3L**
- 3 Light

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**SH44**
- Stem Hung

**CH27**
- Chain Hung

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**SH-CH44**
- Stem and Chain Hung

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

- **4 3/4"**
- **22 3/4"**
- **5 1/4"**
- **32"**

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**PB27**
- For up to 100 Watt Ballasts

**PB28**
- For 150 to 250 Watt Ballasts

**PB28**
- For 150 Watt Ballasts

**SH-CH28**
- For 100 Watt Ballasts

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**BB** Ballast Box Option for Wall Mounts

**491/762PT**
- 966BB Ballast Box

**966WBBB**
- 966WB

**531/762WB**
- 966WB
### Building a Part Number

#### POST & ARM FIXTURES

<table>
<thead>
<tr>
<th>ARM MOUNTED FIXTURE</th>
<th>CENTER POST TOP FIXTURE (PT)</th>
<th>POST</th>
<th>POST CAP</th>
<th>LIGHT SOURCE BALLAST</th>
<th>OPTICS</th>
<th>OPTIONS</th>
<th>LENS</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO. OF ARMS FIXTURE / POST ARM</td>
<td>FIXTURE / FITTER (See Post Section)</td>
<td>WATTS / TYPE / VOLS</td>
<td>(PT)</td>
<td>1612TFPS</td>
<td>100MHP120</td>
<td>100MHP120</td>
<td>RE3</td>
<td>MHP100/MED</td>
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<td>2</td>
<td>-</td>
<td>S640CR/491PM</td>
<td>130</td>
<td>208</td>
<td>240</td>
<td>1089WB</td>
<td>250HPS</td>
<td>100MHP120</td>
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</tbody>
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#### WALL FIXTURES

<table>
<thead>
<tr>
<th>FIXTURE WALLBRACKET</th>
<th>LIGHT SOURCE BALLAST</th>
<th>OPTICS</th>
<th>OPTIONS</th>
<th>LENS</th>
<th>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>S640CR/966WBBB</td>
<td>100 MHP120</td>
<td>RE5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### PART NUMBER SELECTIONS

**FIXTURES**
- S640CR
- S640OR

**POST ARMS**
- 491/762PM
- 966PM
- 1080PM
- 1089PM

**OPTICS**
- RE3
- RE5
- RO3
- RO5
- HSS
- FHC

**PIER BASE**
- PB27
- PB28
- PB44

**LENSES**
- CA
- CP
- CSA
- CTA
- PA
- WA

**WALL BRACKET ARMS**
- 531/762WB
- 966WB
- 1080WB
- 1089WB

**WALL BRACKET ARMS With BALLAST BOXES**
- 531/756 WBBB
- 966/756 WBBB
- 1080 WBBB**

**HANGING BRACKETS**
- SH27
- CH27
- SH28
- CH28
- CH44
- **Q55**
- **Q85**

**BALLASTS**
- 35HPS
- 50HPS
- 70HPS
- 100HPS
- 150HPS
- 250HPS
- 50MHP
- 50MHP
- 50MHP
- 100MHP
- 100MHP
- 150MHP
- 150MHP
- 250MHP
- 26PLT
- 32PLT
- 42PLT
- INCAND
- **QL55**
- **QL85**

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

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

**CUSTOM FINISHES**
- OI Old Iron
- RT Rust
- WBR Weathered Bronze
- CD Cedar
- WBK Weathered Black
- TT Two Tone

**STERNBERG SELECT FINISHES**
- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

**NOTES:**
1. If Ballast is required select Electronic Metal Halide (MHP) or PL for roof mounting, otherwise ballast must be remote mounted.
2. If Ballast is required it must be remote mounted.
3. Medium base sockets standard with ballasts up to 100 watts HID. Mogul base sockets are standard with ballasts 200 watts and over 4-pin for PLs.
4. Medium base lamp only. Consult factory for mogul base.
5. Can support PLT up to 120 watts.
6. Consult factory for limitations.
7. Suitable for Pulse Start systems.
8. Suitable for Pulse Start systems.
9. Suitable for Pulse Start systems.
10. Suitable for Pulse Start systems.

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**Options**
- PEC Photocell - Electronic 120-277 Volt
- FHS Single Fuse and Holder - 120, 277 Volt
- FHD Dual Fuse and Holder - 208, 240, 480 Volt
- FHC Frosted Glass Chimney
- 3L 3 Light Cluster
- LAMPS Select from List

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**Notes:**
- 1. If Ballast is required select Electronic Metal Halide (MHP) or PL for roof mounting, otherwise ballast must be remote mounted.
- 2. If Ballast is required it must be remote mounted.
- 3. 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 PLs.
- 4. Medium base lamp only. Consult factory for mogul base.
- 5. Can support PLT up to 120 watts.
- 6. Consult factory for limitations.
- 7. Suitable for Pulse Start systems.
- 8. Suitable for Pulse Start systems.
- 9. Suitable for Pulse Start systems.
- 10. Suitable for Pulse Start systems.
Frosted Glass Hurricane Chimney (FHC) is an optic option which adds an authentic touch and can be used with Roof Optics or to house a lamp.

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 the electronic button type. On single post fixtures the the photocell shall be mounted in the fitter and pre-wired to the 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 electronic button type photocell is instant on and a 5-10 second turn off and shall turn on at 1.5 foot-candles with a turn-off at 2-3 foot-candles. Photocells are 120-277 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. Fixtures will have its fitter mechanically attached or welded to the arms. 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.