GENERAL
The E420 Euro Series is a medium/large scale, contemporary architectural fixture design. It is offered with a flat or sag glass lens and the optic assembly is rated IP66. It shall be provided with tool-less access for ease of maintenance.

BALLAST HOUSING
The ballast is housed in the upper section of the cast aluminum roof and is easily accessible by means of the hinged roof and captive screws. The fixture housing can be easily opened with tool-less designed captive fasteners.

ELECTRICAL
The E420 Euro Series is 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 porcelain sockets or mogul base porcelain sockets are 4KV rated. The ballast/socket assembly shall be pre-wired when ballast is located in the fixture. Ballasts shall be DOE EISA compliant.

FIXTURE HOUSING
The E420FG flat lensed fixture shall be 22” wide and the overall height shall be 10”. The E420SG sag lensed fixture shall be 22” wide and the overall height shall be 12”. They shall be made of heavy wall, cast aluminum.

OPTICAL OPTIONS
NIGHTSKY® STAR-SHIELD® roof optics distribution shall be delivered by solid, sealed roof mounted reflector systems, which eliminate uplight and provide full cut-off. The reflector cavity shall be made of specular anodized aluminum. Flat lens models provide full cut-off performance. The sag lens model provides cut-off performance. Roof optics Type 2 (RO2), Type 3 (RO3), Type 4 (RO4), and Type 5 (RO5) horizontal are available for medium base lamps.

PHOTOCELLS
Photocells shall be the electronic button type. On single fixture assemblies the photocell shall be mounted in the fixture housing 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 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 120-277 volt.

(Continued on back page)
**FIXTURES / FITTERS / ARMS PM-WB**

**FIXTURES**

- E420FG Flat Glass Lens
- E420SG Sag Glass Lens
- E420SM Side Mount

**OPTICAL SYSTEMS**

- RO IP66 Sealed Roof Optics
- Horizontal 2, 3, 4 or 5

**HANGING BRACKETS**

- CH44 Chain Hung
- SH44 Stem Hung

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

See Arms Section for more information

A - Height of Arm Varies Depending on the Length.

Some Arms are Shown with Optional Hangstraight Fitting.

**Dimensions:**

- 22" W
- 10" Height
- 7-369N 12" 22" W
- 24 1/2" 22" W
- 33 1/2" 22" W
- 28 1/4" 22" W
- 30 1/2" 22" W
- 55 1/2"
- 36 1/4"
- 30 1/2"
- 73 1/16"
- 42 3/8" 24 1/4"
- 26 1/4" 22" W
- 9-14
### 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>FINISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E420SG/CA6</td>
<td>PT</td>
<td>BC</td>
<td>100 MHP120</td>
<td>RO3</td>
<td>FHS/HS</td>
<td>BK</td>
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### WALL FIXTURES

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<thead>
<tr>
<th>FIXTURE WALL BRACKET</th>
<th>LIGHT SOURCE BALLAST</th>
<th>OPTICS</th>
<th>OPTIONS</th>
<th>FINISH</th>
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<tr>
<td>E420FG/GRA4WB</td>
<td>100 MHP120</td>
<td>RO3</td>
<td>FHS/HS</td>
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### HANGING FIXTURES

<table>
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<tr>
<th>FIXTURE LENS HANGING BRACKET</th>
<th>OVERALL DROP IN INCHES</th>
<th>LIGHT SOURCE BALLAST</th>
<th>OPTICS</th>
<th>OPTIONS</th>
<th>FINISH</th>
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<tr>
<td>E420SG/CH44</td>
<td>48 INCHES</td>
<td>100 MHP120</td>
<td>RO3</td>
<td>FHS</td>
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### PART NUMBER SELECTIONS

<table>
<thead>
<tr>
<th>FIXTURE</th>
<th>POST ARMS</th>
<th>WALL BRACKET ARMS</th>
<th>BALLASTS1,3</th>
<th>LAMPS3</th>
<th>STANDARD FINISHES*</th>
<th>CUSTOM FINISHES</th>
<th>STERNBERG SELECT FINISHES</th>
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<tbody>
<tr>
<td>E420FG</td>
<td>CA4-6-8²</td>
<td>GRAWB</td>
<td>50HPS</td>
<td>HPS50/MED</td>
<td>BKT Black Textured</td>
<td>OI Old Iron</td>
<td>VG Verde Green</td>
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<td>GRA4WB</td>
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<td>HPS70/MED</td>
<td>WHT White Textured</td>
<td>RT Rust</td>
<td>SI Swedish Iron</td>
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<td>SMAWB</td>
<td>100HPS</td>
<td>HPS100/MED</td>
<td>PGT Park Green Textured</td>
<td>WBR Weathered Brown</td>
<td>OWGT Old World Gray Textured</td>
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<td>CA4-6-8²</td>
<td>SMA4WB</td>
<td>150HPS</td>
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#### OPTIONS

- **PEC** Photocell-Electronic 120-277 Volt
- **R** Receptacle only for Twist-Lock Photo Cell
- **R1** Twist-Lock Photo Cell 120-277 Volt
- **FHS** Single Fuse and Holder-120-277 Volt
- **FHD** Dual Fuse and Holder-208,240,480 Volt
- **HS** Hangstraight
- **LAMPS** Select from List

#### NOTES:

1. Medium base sockets standard with ballasts up to 150 watts HID.
2. Metal halide systems are pulse start.
3. To designate type of Finial if required.

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**555 Lawrence Ave. Roselle, IL 60172 • 847-588-3400 • Fax 847-588-3440**

**www.sternberglighting.com**

**Email: info@sternberglighting.com**
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 Euro Series fixtures shall use a hangstraight mounted to the arm to ensure arms will be plumb, secure and level over the life of the 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.