

DURAGRIP®

**LSI's revolutionary superior,
baked-on polyester-powder finish
for outdoor lighting poles**



DURAGRIP®

Committed to excellence in all its products, LSI Lighting Solutions *Plus* applies the same high quality standards to our outdoor lighting poles as we do our lighting fixtures. This is evident as you tour our specially designed 100,000 square foot finishing facility. Located in Blue Ash, Ohio, this finishing facility is equipped with state-of-the-art technology and manufacturing processes.

We call this finishing process the DuraGrip® System. DuraGrip provides outstanding durability, resistance to scratching, and an aesthetically pleasing finish. It is the advanced finish that stands up to the severest conditions and offers a wide range of colors for adaptability into any application.

STEP
1

Cleaning

Each pole is shot blasted to the specification of ***Steel Structures Painting Council, Surface Preparation Specification for Near White Blast Cleaning***. After this abrasive cleaning, every pole passes through an extensive automatically sequenced system where it is chemically cleaned, rinsed, phosphatized, sealed and dried. This thorough process removes all mill scale, providing a superior bond between the base metal and the final finish.



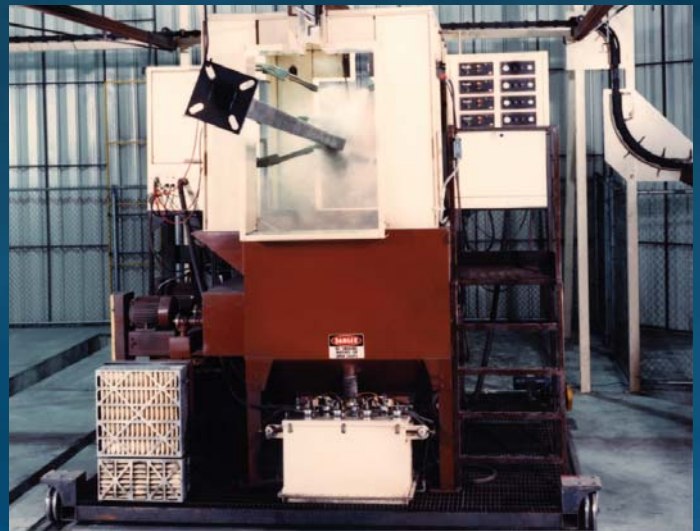
Before abrasive cleaning

After abrasive cleaning

STEP
2

Powder Coating

LSI's specially designed powder coating unit totally encloses the entire pole. An electrostatic application of polyester-powder is sprayed onto all outer surfaces. The system accurately monitors the uniform distribution of powder to ensure the most even, consistent finish possible.



As an environmentally conscientious company, LSI is committed to making our manufacturing processes as clean as possible. In our finishing plant, the powder coating operation reclaims volume colors instead of disposing into our landfills. In addition, we monitor our waste water out of the paint system washers to ensure that no environmental hazards are released.

→ The results are dramatic!

At LSI, we are dedicated to making the very best poles. Every pole is automatically indexed through a series of custom-designed machines, each machine having one specialized, rigidly controlled function. This process culminates in a superior baked-on polyester-powder finish which is unequalled in the industry.

LSI's DuraGrip finish is a specially designed combination of mechanical preparation, chemical pretreatment and oven baked powder coated finish. Each step of the DuraGrip finishing process is constantly monitored and recorded by our quality assurance program. The finish is tested regularly according to ASTM B-117 standards in LSI's in-house laboratory. In addition, periodic testing is conducted through an independent laboratory.



STEP 3

Oven Baked

The pole is automatically indexed through an advanced oven system. The polyester-powder coated pole is oven baked to form a homogeneous, non-porous surface. Sags, drips, oxidation and runs are eliminated.

▲ Having our finishing process in one place ensures that fixtures, brackets and poles are consistent in finish color.

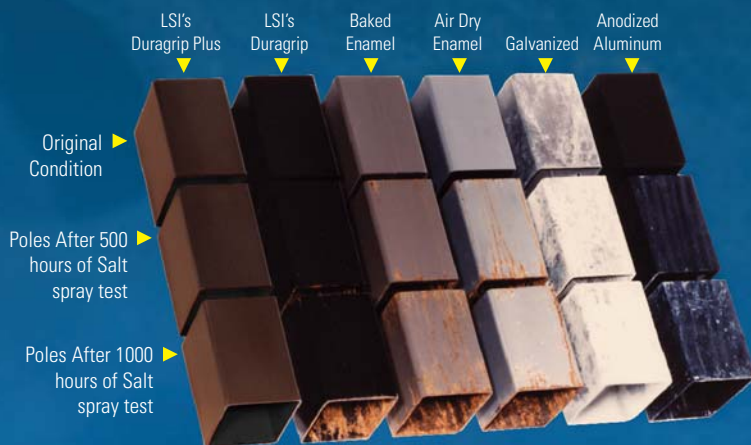


Independent Laboratory Salt Spray Water Test Results

Poles finished with LSI Lighting Solutions *Plus'* DuraGrip and DuraGrip Plus with inner-coating of a water-based automotive-grade corrosion preventative far outlast other pole finishes as proven here by this salt spray water test. The DuraGrip and DuraGrip Plus poles retain their finishes while the other pole finishes show evidence of severe peeling, oxidation, and rusting.



▲ DuraGrip Coating is being applied



**Five Year
Warranty**

DURAGRIP®

LSI's DuraGrip far surpasses traditional finishes. Carrying a five-year warranty, this baked-on polyester-powder coating exhibits superior impact-, abrasion-, chemical- and UV-resistance while stacking up to the most severe weather conditions without peeling, cracking or fading. DuraGrip is offered in a variety of standard colors including bronze, black, platinum plus, white, satin verde green, buff, graphite and metallic silver.

**Seven Year
Warranty**

DURAGRIP® PLUS

DuraGrip Plus is our top-of-the-line pole finish. In addition to our standard DuraGrip exterior polyester-powder coated finish, an inner-coating of a water-based automotive-grade corrosion preventative is applied. This coating seals the bottom portion of the pole to protect against moisture and atmospheric corrosive matter. DuraGrip Plus is warranted for seven years.



▲ LSI Pole Inventory Area - Poles finished and ready to ship

Our Commitment to Quality

When you specify and purchase LSI products, you can count on receiving quality products that perform. We're committed to providing the lighting industry with a high performance product that will endure the harshest of environments. Our polyester-powder finishing facility is a testimony to that commitment.

Contact your local LSI Lighting Solutions Plus representative today for complete information.



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