GranVille® Classic

Typical Applications
- City Streets
- Parks
- Residential Areas
- Campuses
- Walkways
- Parking Lots

Features
- Distinctive styling
- Superior performance
- Ease of maintenance
- Permanent, durable materials
- Reliability

Approvals
- UL/CUL

Lamp Types
- 35-150 watt high pressure sodium
- 70-175 watt metal halide
- 200 watt incandescent
- 55-85 watt induction (QL)
The cornerstone of the GranVille Classic luminaires’ superior performance is an advanced borosilicate glass optical refractor, which provides precise light control through finely molded prisms. The prismatic light refractor helps direct the light beam to the desired pattern, allows for great spacings with excellent uniformity, and creates an appealing sparkle that distinguishes the GranVille luminaire from conventional plastic acorn globes.

Although the efficient light control is the cornerstone of the GranVille Classic’s prismatic glass refractor, the prismatic glass optical assembly creates the sparkle that provides the visual appeal in any daytime setting.

The GranVille Classic luminaire is widely used for municipal streets, residential streets, college campuses, and commercial area applications. The GranVille Classic luminaire is available with decorative covers, six distinct ballast modules, trim options, finials, all designed to accent any project theme. The new modern fluted ballast module (M) incorporates tool less entry, the modular “Utility” ballast module, integral terminal block, and an optional internal relamp module designed to simplify installation and maintenance.

The luminaire will scale with a range of decorative post styles from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall mount brackets to complement the post top assemblies further enhancing the site architecture.
The GranVille luminaire has appeal for many types of applications. Although efficient light control is the cornerstone of the GranVille’s prismatic glass refractor, the prismatic glass optical assembly creates a sparkle that provides visual appeal in any daytime setting.

The GranVille luminaire is widely used for municipal streets, residential streets, college campuses, and commercial area applications. The luminaire will scale with a range of decorative post styles ranging from eight to fourteen feet in height. In addition, the luminaire can be mated with a variety of decorative wall brackets to complement the post top assemblies further enhancing the site architecture.
Product Features

GranVille/Syracuse

The GranVille luminaires are available with a tool-less entry hinged top for easy lamp replacement. Also, a variety of decorative trim options such as covers, finials, ribs, and bands allow the GranVille luminaire to blend with any streetscape or site architecture.

The luminaires are available with five distinct housings ensuring the appropriate transition between pole and luminaire in any installation. In retrofit applications, a variety of traditional castings allow GranVille luminaires to adapt to virtually any existing pole.

1. **Finial**: Is designed to define luminaire shape
2. **Decorative trim**: An optional design element
3. **Anodized hydro-formed reflector**: Restricts the intensity at the critical vertical angles
4. **Ballast housing**: Holds and protects electrical components and defines luminaire shape and size
5. **Pole options**: A variety of pole materials and styles are available to complement luminaire and site architecture

Decorative Trim and Medallions

The GranVille® Series, featuring decorative ribs and banding with a custom rose medallion.
Lunar Optics

Lunar Optics has been designed to address environmental lighting issues such as urban sky glow (light pollution), light trespass, and glare, in addition to maintaining classic style and appearance.

The GranVille Series with Lunar Optics boasts an exquisite daytime appearance, yet has been engineered with purposeful optical performance. Specifically, the luminaire restricts the intensity (candela) at the critical vertical angles to achieve an IESNA cutoff classification.

Furthermore, a small amount of light illuminates the top acorn refractor to allow for a fully luminous nighttime appearance. As an overall result, the percentage of upward light is significantly reduced, yet the traditional lighted appearance is retained. The Lunar Optics version is ideal for applications where communities want to celebrate tradition, however are sensitive to light pollution and trespass.

1. Finial: Is designed to define luminaire shape
2. Decorative top cover: (optional) Designed to define luminaire shape and control uplight
3. Prismatic top reflector: Defines shape and efficiently controls light
4. Reflector mounting plate: Is designed to support Lunar Optics reflector and reduce uplight
5. Anodized hydro-formed reflector: Restricts the intensity at the critical vertical angles
6. Ballast housing: Holds and protects electrical components and defines luminaire shape and size
7. Pole options: A variety of pole materials and styles are available to complement luminaire and site architecture

Lunar Optics has been designed to reduce the lighting intensity at the critical vertical angles to achieve IESNA Cutoff.
Pole Samples

Specifications

General Description
The luminaire consists of three main components, a ballast housing, a reflector with socket, and a prismatic glass optical assembly.

Optical Assembly
The optical assembly is a precisely molded thermal resistant borosilicate glass reflector and refractor with or without a decorative finial. The upper portion of this system incorporates a series of reflecting prisms that redirect over 50% of the upward light in to the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. Two decorative aluminum covers are available. The lower portion uses precisely molded refracting prisms to control the distribution of light to maximize utilization, uniformity, and luminaire spacing. Three unique optical assemblies are available, designed for IES type III, IV, and V lighting distributions.

Ballast Assembly
The ballast housing contains the ballast and other electrical components. The housing is cast of aluminum alloy. The slipfitter will accept a 3” high, 2-7/8” to 3-1/8” O.D. tenon and is secured by four hex head 1/4-20 set screws. Four uniquely designed stainless steel spring clips enclosed in a clear polyvinyl chloride sleeve and adjusted by hex head 1/4-20 bolts securely cradle the optical assembly.

Ballast
(Refer to Ballast Data Sheet for specific operating characteristics) 35 - 100 watt 120 volt High Pressure Sodium (HPS) ballasts are High Power Factor Reactor type. All other HPS ballasts are High Power Factor High Reactance. 175 watt Metal Halide (MH) ballasts are Peak Lead Autotransformer (CWA) type. 70 and 100 watt MH units are available only with (120V, 208V, 240V, 277V) multitap High Power Factor High Reactance type ballast.

Reflector/Socket Assembly
The reflector/socket assembly is designed to position the specified light source at the light center of the refractor.

Installation
Refer to the instruction manual provided with each luminaire as to the specific method of wiring and mounting the luminaire.

Finish
The housing is finished with polyester powder paint applied after a seven stage pretreatment process to insure maximum durability.

UL Listing
The luminaire is UL listed as suitable for wet locations at a maximum 40°C ambient temperature.

Distributions
Mounting heights are 15’
### Ordering Information

#### How to Construct a Catalog Number

**Example:**

<table>
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<tr>
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<th>LUMINAIRE</th>
<th>WATTAGE</th>
<th>VOLTAGE</th>
<th>HOUSING</th>
<th>COLOR</th>
<th>OPTICS</th>
<th>TRIM</th>
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#### Catalog Number Information

**STEP 1:**

- **LUMINAIRE:**
  - **GV** (Granville Syracuse)
  - **SY** (Syracuse)

**STEP 2:**

- **Mogul Base:**
  - 050HP: 50W HPS
  - 070HP: 70W HPS
  - 100HP: 100W HPS
  - 15AMP: 150W/55V HPS
  - 175MH: 175W MH

- **Medium Base:**
  - 35DHP: 35W HPS
  - 50DHP: 50W HPS
  - 70DHP: 70W HPS
  - 100DHP: 100W HPS
  - 15DHP: 150W/55V HPS
  - 70DMH: 70W MH
  - 100DMH: 100W MH
  - 15DMH: 150W MH
  - 17DIN: 175W MH
  - 20DIN: 200W Inc

**STEP 3:**

- **VOLTAGE:**
  - 12: 120V
  - 20: 208V
  - 24: 240V
  - 34: 347V
  - 48: 480V
  - MT: Multi-tap

**STEP 4:**

- **HOUSING:**
  - A: Arcadian
  - C: Convex Octagonal
  - F: Fluted
  - L: Leaf
  - M: Modern Fluted Swing Open
  - S: Simple

**STEP 5:**

- **COLOR:**
  - B: Black
  - A: Bronze
  - N: Green
  - A: As specified

**STEP 6:**

- **OPTICS:**
  - Asymmetric
  - Type III
  - Type IV
  - Type II – Lunar Optics
  - Type III – Lunar Optics
  - Symmetric
  - Type V
  - Type V – Lunar Optics

**STEP 7:**

- **TRIM:**
  - GV: Hinged Top with Ribs and Bands
  - N: No Ribs or Bands
  - R: Ribs, Bands and Spun Cover

**STEP 8:**

- **FINIAL:**
  - Painted Cast Aluminum
    - B: Ball
    - E: Eagle
    - F: Flower
    - P: Pawn
    - R: Cross
    - S: Standard
    - C: Clear Acrylic, 3”
    - N: None

**STEP 9:**

- **TRIM FINISH:**
  - R (Granville)
  - S (Syracuse)

**STEP 10:**

- **OPTIONS/ACCESSORIES:**
  - DTLPR12X: Full Decorative Aluminum Cover for “GV” (Fanal required)
  - MCVRX: Mayfield Decorative Aluminum Cover for “GV” (Covers 1/3 of the reflector and requires a final)
  - P: Protected Starter for HPS Units
  - F1: Single Fusing for 120, 240 and 277V Units. Ships Separate
  - F2: Double Fusing for 208 and 240V Units. Ships Separate
  - GV1A73X: 3” to 7” Post Capital. Converts 3” Post Top 180° to Flared 7” Post Capital. Use with “A”, “F” or “C” Housings
  - GVBANDX: Optional Decorative Band Kit Added to Glass Assembly for “GV” (Field installed)
  - Photocontrol Kit for “L” and “S” Housing Style only
  - DTLPR12X: 120V, GV1A73 Post Capital
  - DTLPR20/24/27X: 208, 240 or 277V, GV1A73 Post Capital
  - DTLPR34X: 347V, GV1A73 Post Capital
  - WSH590: 90°
  - WSH5120: 120°
  - WSH5180: 180°
  - WHS590: With Lunar Optics, 90°
  - WHS5120: With Lunar Optics, 120°
  - WHS5180: With Lunar Optics, 180°

1. For color insert “B”, “G”, “N”, “Z” or “A” for “X”
2. Fusing not available for 480V and 200W Incandescent
3. For color insert “B”, “Z”, “N” or “A” for “X”
4. Mogul base only