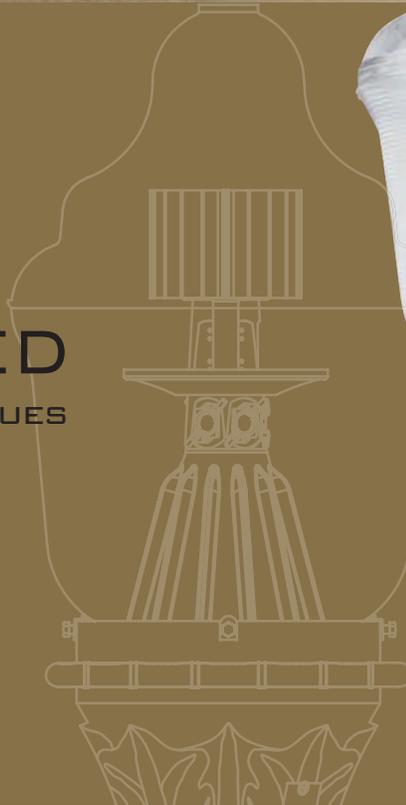




# GRANVILLE® II LED

EVOLUTION OF A CLASSIC CONTINUES

  
**HOLOPHANE®**  
LEADER IN LIGHTING SOLUTIONS



**AcuityBrands.**



## GRANVILLE® II LED

THE USE OF LED (LIGHT EMITTING DIODE) LIGHT SOURCES IN STREET AND AREA LIGHTING APPLICATIONS IS GAINING MOMENTUM IN TODAY'S LIGHTING WORLD. IDEALLY, LED LUMINAIRES REDUCE ENERGY CONSUMPTION, FACILITATE LONG COMPONENT LIFE, AND PROMOTE SUSTAINABILITY.

To meet these 21st century needs, it is imperative that the LED system is properly engineered for thermal and performance considerations. Holophane has exhausted many hours of research and development to ensure reliability through innovative integration of this exciting technology.





## FEATURES AND BENEFITS

- Engineered LED system for maximum performance and reliability
- Designed for use with original globes and housings maintaining familiar appearance
- Optimized to meet existing lighting standards
- Asymmetric and symmetric distributions offer application design flexibility
- Simple access to electronic driver and components for ease of maintenance

## TYPICAL APPLICATIONS

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

**GRANVILLE®  
CLASSIC**



**GRANVILLE®  
PREMIER**



WOULDN'T YOU WANT THE ENTIRE LIGHTING FIXTURE TO LAST AS LONG AS THE LED?



Glass

Plastic

**The Borosilicate Glass Advantage**

You can have aesthetically pleasing permanent glass that sparkles and will never turn yellow or cloudy with age.

**Trim and Cover Options for the Classic and Premier Optics** offers a variety in luminaire shapes, decorative trim and uplight options



**Internal LED stalk design** offers state-of-the-art light control and thermal management

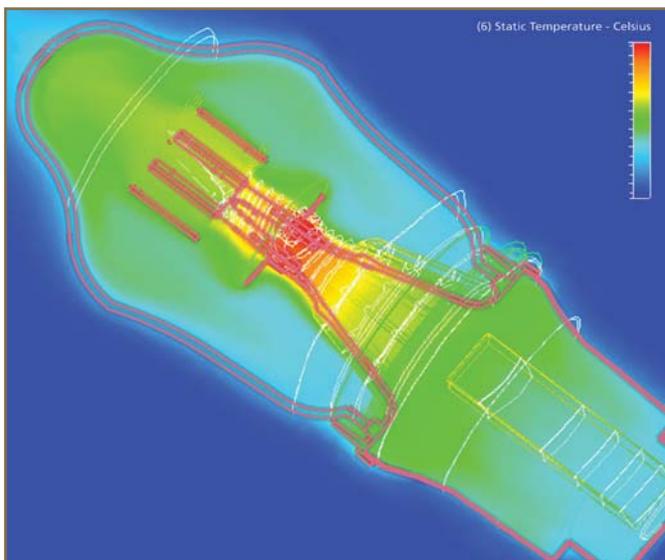


**The GranVille II LED** offers compatibility with the original GranVille housing and mounting arrangements for ultimate flexibility



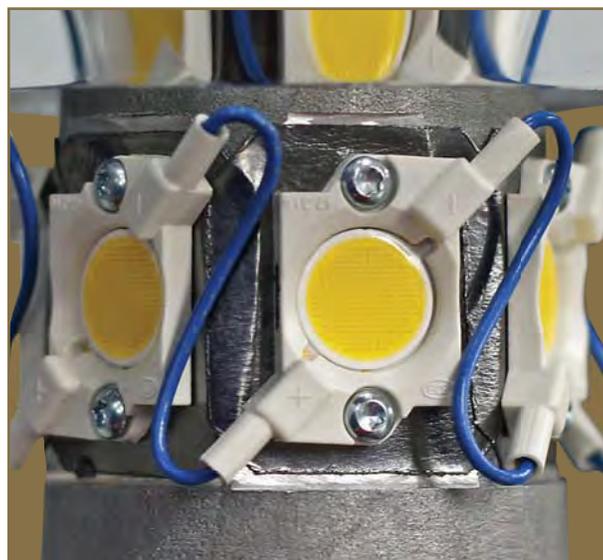
**Pole Options** include a variety of pole materials and styles available to complement luminaire and site architecture

# INNOVATIVE LED TECHNOLOGY



## Thermal Management

LED light source output and system life are optimized with proper thermal management. The above diagram shows the effective engineering behind a dedicated heat sink. Note the convection currents pulling the heat away from the critical components.



## Optical Precision

As shown above, the optical system is designed to accurately replicate a point source, maximize energy savings and ensure design effectiveness.

# RETROFIT EXISTING STREETLIGHTS

The new GranVille LED system has been designed to be fully compatible with installed GranVille glass globes and housings.

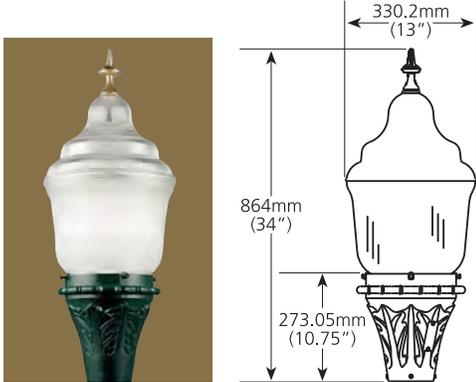
Should you select the housing and LED system only, you will realize the following benefits:

- Promote sustainability
- Save on initial material costs
- Maintain original exterior appearance



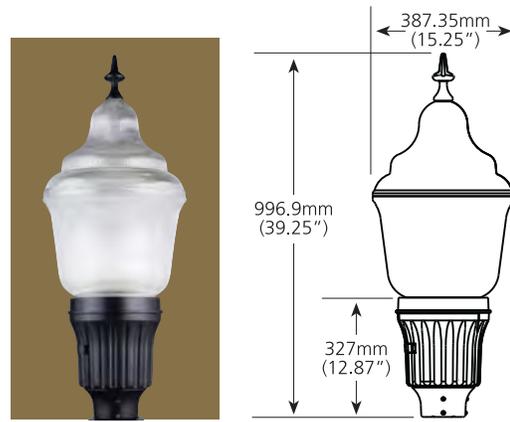
# ORDERING INFORMATION

## DIMENSIONAL DETAILS



**GranVille Classic**

Maximum Weight: 21.32 kg. (47 lbs.)  
Maximum EPA: 1.38



**GranVille Premier**

Maximum Weight: 29.03 kg. (64 lbs.)  
Maximum EPA: 1.38

## PERFORMANCE SPECIFICATIONS

**General**

The GranVille II Classic LED and the GranVille II Premier LED are designed for ease of maintenance with the electrical module common to each of the luminaires in Holophane's original GranVille Series. A precision optical system that maximizes post spacing while maintaining uniform illumination.

**Optical System**

The optical system consists of a precisely molded multi-piece thermal resistant borosilicate glass refractor and top reflector. The glass top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft uplight component to define the traditional acorn shape of the luminaire. A decorative aluminum cover and trim options are available. The lower refractor uses precisely molded prisms to maximize pole spacings while maintaining uniform illuminance. Two refractors are available, symmetric and asymmetric distribution.

The light source is composed of a cast, "finned" stalk top plate, five LED locations, and a top formed reflector engineered to replicate a "point source" for optimization. The fins cast into the stalk are intended to provide thermal management for maximum life and output. The LED's are located on the stalk so as to provide the desired pattern (Type III or Type V) for the most efficient distribution. The reflector provides reduced uplight and increased coefficient of utilization.

**Luminaire Housing**

The luminaire housing, cast aluminum, cradles the refractor and provides an enclosure for the electrical module. The slipfitter will accept a 3" by 2 7/8" to 3 1/8" O.D. tenon.

**Luminaire Housing/Door (M&T Housing)**

Cast of aluminum, the housing opens without the use of tools and is retained on a hinge. For units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the housing contains a "window" to allow light to reach the cell. The three station terminal block is prepared to a five conductor receptacle for ease in connection the electrical module.

**Electrical Module**

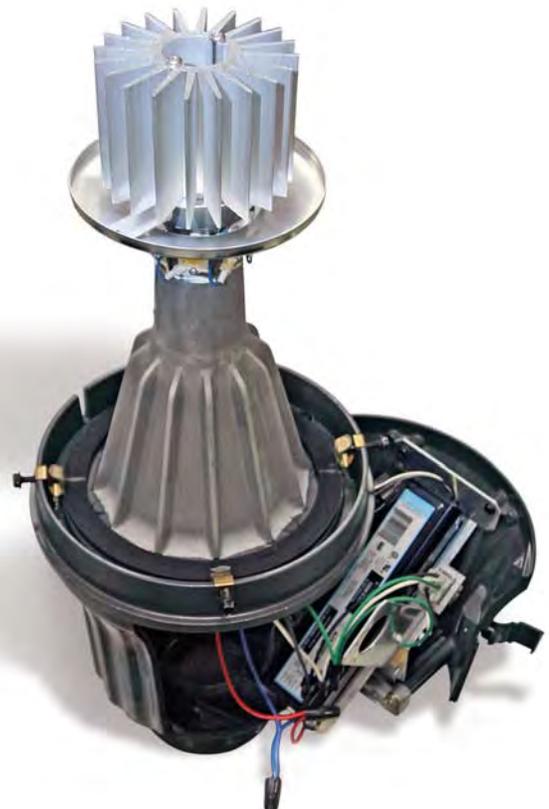
The electrical components are mounted on a steel plate that is removable with minimum use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. For photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock photocell receptacle.

**Electronic Driver**

(refer to data sheet for specific operation characteristics)

**Finish**

The luminaire is finished with polyester powder to insure maximum durability.



PREFERRED SELECTIONS:

Most Frequently Ordered Catalog Numbers

<b>GVD</b>	<b>100</b>	<b>4K</b>	<b>AS</b>	<b>M</b>	<b>N</b>	<b>3</b>	<b>N</b>	<b>S</b>	<b>N</b>	<b>F</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
LUMINAIRE	WATTAGE	COLOR TEMP.	VOLTAGE	HOUSING	COLOR	OPTICS	TRIM	FINIAL	TRIM/FINIAL COLOR	OPTIONS
GVD	100	4K	AS	M T	B N	3 5	N	B S	B N	F

CATALOG NUMBERS FOR ENTIRE PRODUCT OFFERING

(Pricing and lead times may be affected)

<b>STEP 1: LUMINAIRE</b>	
<b>GVD</b>	GranVille Classic II LED
<b>GPD</b>	GranVille Premier II LED
<b>STEP 2: WATTAGE</b>	
<b>100</b>	100 watt (525mA)
<b>80</b>	80 watt (400mA)
<b>60</b>	60 watt (315mA)
<b>40</b>	40 watt (215mA)
1 Available with M & T housings only	
<b>STEP 3: COLOR TEMPERATURE</b>	
<b>3K</b>	3000 series CCT
<b>4K</b>	4000 series CCT
<b>5K</b>	5000 series CCT
<b>STEP 4: VOLTAGE</b>	
<b>AS</b>	Auto-sensing voltage (120 thru 277)
<b>AH</b>	Auto-sensing voltage (347 thru 480)
<b>STEP 5: HOUSING</b>	
<b>A</b>	Arcadian
<b>C</b>	Convex
<b>F</b>	Fluted
<b>L</b>	Leaf Style-Standard
<b>S</b>	Simple
<b>M</b>	Modern style- swing open design
<b>T</b>	Leaf style- swing open design
<b>STEP 6: HOUSING COLOR</b>	
<b>A</b>	As specified
<b>B</b>	Black
<b>Z</b>	Bronze
<b>N</b>	Green
	
*Colors are just a representation. Custom colors are available upon request	

<b>STEP 7: OPTICS</b>	
<b>3</b>	Asymmetric, Type III
<b>5</b>	Symmetric, Type V
<b>6</b>	Asymmetric Lunar Optic 80 watt, 60 watt, 40 watt only
<b>8</b>	Symmetric Lunar Optic 80 watt, 60 watt, 40 watt only
<b>STEP 8: TRIM</b>	
<b>R</b>	Ribs and Band
<b>N</b>	No Trim
<b>S</b>	Syracuse style cover includes decorative bands
2 Not available with GPD model	
<b>STEP 9: FINIAL</b>	
<b>B</b>	Painted cast aluminum ball
<b>C</b>	Clear acrylic 3"
<b>E</b>	Painted cast aluminum eagle
<b>F</b>	Painted cast aluminum flower
<b>N</b>	None
<b>P</b>	Painted cast aluminum pawn
<b>R</b>	Painted cast aluminum cross
<b>S</b>	Painted cast aluminum standard
<b>T</b>	Painted cast aluminum roman cross
<b>STEP 5: HOUSING</b>	
<b>A</b>	As specified
<b>B</b>	Black
<b>G</b>	Gold
<b>N</b>	Green
<b>Z</b>	Bronze
<b>U</b>	No trim and clear or no finial
	
*Colors are just a representation. Custom colors are available upon request	

<b>STEP 11: OPTIONS</b>	
<b>F</b> <sup>3</sup>	Full cover
<b>M</b> <sup>3</sup>	Mayfield 1/2 optional cover
<b>H</b>	NEMA twistlock photocontrol receptacle
<b>DM</b>	0-10V dimming
<b>PCS</b>	DTL twistlock photocontrol for solid state
<b>PSC</b>	Shorting cap
<b>L1H</b>	1.5 ft. prewired leads
<b>L03</b>	3 ft. prewired leads
<b>L10</b>	10 ft. prewired leads
<b>L20</b>	20 ft. prewired leads
<b>L25</b>	25 ft. prewired leads
<b>L30</b>	30 ft. prewired leads
<b>DE</b>	ROAM concierge dimming control only available with M and T housings
<b>VE</b>	ROAMview dimming control only available with M and T housings
3 Not available with "N" finial choice	
<b>STEP 12: ACCESSORIES</b>	
<b>GVD12</b> <sup>4</sup>	Photocontrol kit with DTL photocell-120V
<b>GVD27</b> <sup>4</sup>	Photocontrol kit with DTL photocell-277V
<b>GVD34</b> <sup>4</sup>	Photocontrol kit not DTL photocell-347V
<b>GVBANDX</b>	Decorative band added to glass assembly
<b>GVDHSS90</b>	House side shield solid 90 degree
<b>GVDHSS12</b>	House side shield solid 120 degree
<b>GVDHSS18</b>	House side shield solid 180 degree
<b>GV1A73X</b> <sup>5</sup>	3 inch to 7 inch post capital. Converts 3 inch post top tenon to flared 7 inch post capital.
4 Use with L&S housing and GV1A73X post capital only	
5 Use with A,F, & C housing only X = color	



## **HOLOPHANE**<sup>®</sup>

LEADER IN LIGHTING SOLUTIONS

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Mexico-Cuautitlan 54900 Tultitlan Edo. De  
Mexico

**Contact your local Holophane factory sales representative** for application assistance, and computer-aided design and cost studies. For information on other Holophane products and systems, call the Inside Sales Service Department at 866-759-1577. In Canada call 905-886-8967 or fax 905-886-7973.

**Warranty** Five-year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**Visit our web site at [www.holophane.com](http://www.holophane.com)**

*Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.*

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best.

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