

## Technical Specifications

### GLOBE MATERIALS

**Acrylic** - Impact modified and UV resistant with continuous operating temperature up to 80°C. Maximum transmittance of 92% (clear). Acrylic streetlamps are available in clear or white. LD Acrylic - Impact modified and UV resistant with continuous operating temperature up to 80°C and transmittance of 90% to 94% (application dependent).

**Polycarbonate** - UV stabilized with a continuous operating temperature of 100°C to 125°C, high impact resistance down to -40°C, and transmittance of 88% (application dependent). Polycarbonate streetlamps are available in clear.

**FITTER:** Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Requires nominal 3" diameter x 2 7/8" tall tenon. Uses A356 aluminum comprises 92.05% Aluminum, 7% Silicon, 0.35% Magnesium, 0.20% Iron, 0.20% Copper, 0.10% Manganese, and 0.10% Zinc. It is lightweight and highly corrosion-resistant, like stainless steel. Heat treated to improve strength—low impurities cause high strength and ductility.

**FINISH:** Cast aluminum fitter housing with textured or 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum powder coating adhesion to the aluminum fitter.

### POWERED BY THE LUMECON L-RETRO-DG LIGHT ENGINE

**INPUT VOLTAGE:** 120-277V or 347-480V

**EFFECTIVE PROJECTED AREA (EPA):** 0.65 ft²

**LIGHT ENGINE:** Each LED light engine consists of a circuit board of 80 Midpower LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

**LUMECON ETD™ SYSTEM:** The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the fixture's exterior to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV-stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance, and thermal shock.

**COLOR TEMPERATURE:** 2200K, 2700K, 3000K, 4000K, 5000K.

**LED LIFETIME:** All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F/-40°C to 115°F/46°C.

**COLOR RENDERING INDEX (CRI):** Minimum of 80 or higher.

**DIMMING:** 0-10V standard dimming capability.

**SURGE PROTECTION:** Thermally protected 20kA/ 40kV varistor type surge suppressor is included and meets ANSI C136.2- 2015: Extreme Level. It also meets IEC61643-11 Class II / EN61643-11 Type 2 and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired with the luminaire input power to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

**MANUFACTURING ORIGIN:** US Manufactured and Assembled.

**BABA COMPLIANT:** Meets Build America, Buy America Act Included in the Infrastructure Investment and Jobs Act, Public Law Number 117-58, Title IX, Subtitle A, Part I – Buy America Sourcing Requirements, Sections 70911-70917 stating Manufactured in the U.S. The cost of components mined, produced, or manufactured in the U.S. is greater than 55 percent of the total cost of all manufactured product components.

**WARRANTY:** 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: [www.lumecon.com](http://www.lumecon.com).

**CERTIFICATION:** Built with ETL/UL-certified components.

**DESIGNLIGHTS CONSORTIUM® (DLC) QUALIFIED PRODUCT:** Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: [www.designlights.org](http://www.designlights.org).



Shown with:  
BH3 Fitter  
CA - Clear Acrylic Globe

Requires nominal 3" diameter x 2 7/8" tall tenon



| FITTER | BH0    | BH1 | BH2   | BH3 | BH4   | BH5    | BH8 | BH9   | B11   | B12 | B13   |
|--------|--------|-----|-------|-----|-------|--------|-----|-------|-------|-----|-------|
| HEIGHT | 10.25" | 10" | 6.75" | 8"  | 6.75" | 11.25" | 12" | 11.5" | 13.5" | 12" | 13.4" |

| FINIAL | FN1 | FN2 | FN3 | FN4  |
|--------|-----|-----|-----|------|
| HEIGHT | 5"  | 4"  | 3"  | 3.5" |



L-RETRO-DG  
Light Engine



L-RETRO-DG  
LIGHT ENGINE

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Note: Specifications and photometric data are subject to change at any time without notice.

Please see [www.lumecon.com](http://www.lumecon.com) for current specifications and documentation.

Sheet/LM-BRP\_01122024

**PERFORMANCE DATA**

| DISTRIBUTION | WATTAGE | 2200K  |          | 2700K  |          | 3000K  |          | 4000K  |          | 5000K  |          |
|--------------|---------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
|              |         | LUMENS | EFFICACY | LUMENS | EFFICACY | LUMENS | EFFICACY | LUMENS | EFFICACY | LUMENS | EFFICACY |
| Type 5       | 35      | 3500   | 100      | 4480   | 128      | 4480   | 128      | 4585   | 131      | 4550   | 130      |
| Type 5       | 45      | 4365   | 97       | 5580   | 124      | 5580   | 124      | 5895   | 131      | 5670   | 126      |
| Type 5       | 55      | 5170   | 94       | 6655   | 121      | 6655   | 121      | 6765   | 123      | 6655   | 121      |

**ORDERING INFORMATION**

Lumecon Midtown Post-Top Series

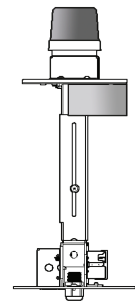
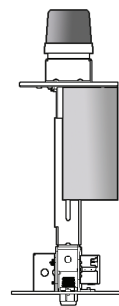
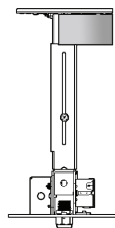
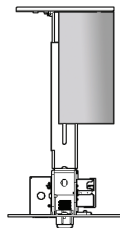
Example Part Number: LM-BRP-35-1-22-CA-BH2-BK-CG77-SR1-FN1-3200123-PC-7P

| REQUIRED |               |                 |            |                          |                     |                     | OPTIONAL          |            |                  |                              |                 |                       |                    |
|----------|---------------|-----------------|------------|--------------------------|---------------------|---------------------|-------------------|------------|------------------|------------------------------|-----------------|-----------------------|--------------------|
| MODEL    | WATTAGE       | VOLTAGE         | CCT        | GLOBE                    | FITTER <sup>1</sup> | FINISH              | CAGE <sup>1</sup> | SOLID ROOF | FINIAL           | HOUSE SIDE SHIELD            | PHOTOCELL       | CONTROLS READY        | DISTRIBUTION       |
| LM-BRP   | 35 - 35 Watts | 1 - 120v - 277v | 22 - 2200K | CA - Clear Acrylic       | BH0 - 10.25"        | BK - Black Gloss    | CG11              | SR1        | FN1 <sup>2</sup> | 32-00123 - House Side Shield | PC - Button Eye | 7P - 7 Pin Receptacle | 32-00114 - Type IV |
|          | 45 - 45 Watts | 2 - 347v - 480v | 27 - 2700K | WA - White Acrylic       | BH1 - 10"           | BT - Black Textured | CG12M1            |            | FN2              |                              |                 |                       |                    |
|          | 55 - 55 Watts |                 | 30 - 3000K | CP - Clear Polycarbonate | BH2 - 6.75"         | DB - Dark Bronze    | CG13M1            |            | FN3              |                              |                 |                       |                    |
|          |               |                 | 40 - 4000K |                          | BH3 - 8"            | GN - Green          | CG18              |            | FN4 <sup>2</sup> |                              |                 |                       |                    |
|          |               |                 | 50 - 5000K |                          | BH4 - 6.75"         | Premium Finishes    | CG21              |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH5 - 11.25"        | WH - White Gloss    | CG22M1            |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH8 - 12"           | CF - Custom Finish  | CG23M1            |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH9 - 11.5"         |                     | CG28              |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH11 - 13.5"        |                     |                   |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH12 - 12"          |                     |                   |            |                  |                              |                 |                       |                    |
|          |               |                 |            |                          | BH13 - 13.4"        |                     |                   |            |                  |                              |                 |                       |                    |

1. Cage and Fitter welded together requiring both to be selected

2. FN1 and FN4 are Acrylic and only available in black

**Fitters**
**Cage Sample**
**Solid Roof**

**Finials**
**House Side Shield**
**Distribution**
**Controls Ready**


32-00123 - House Side Shield

32-00114 - Type IV

7P - Seven-Pin Twist Lock Photocell Receptacle  
32-00123 - House Side Shield

7P - Seven-Pin Twist Lock Photocell Receptacle  
32-00114 - Type IV

**SAMPLE CONFIGURATIONS**



BH1/CA/CG11/FN1



BH1/CA/CG12M1/FN1



BH1/CA/CG13M1/FN1



BH1/CA/CG18/FN1



BH1/CA/CG11/SR1/FN1



BH1/CA/CG12M1/SR1/FN1



BH1/CA/CG13M1/SR1/FN1



BH1/CA/CG18/SR1/FN1

**SAMPLE CONFIGURATIONS**



BH1/CA/CG21/FN1



BH1/CA/CG22M1/FN1



BH1/CA/CG23M1/FN1



BH1/CA/CG28/FN1



BH1/CA/CG21/SR1/FN1



BH1/CA/CG22M1/SR1/FN1



BH1/CA/CG23M1/SR1/FN1



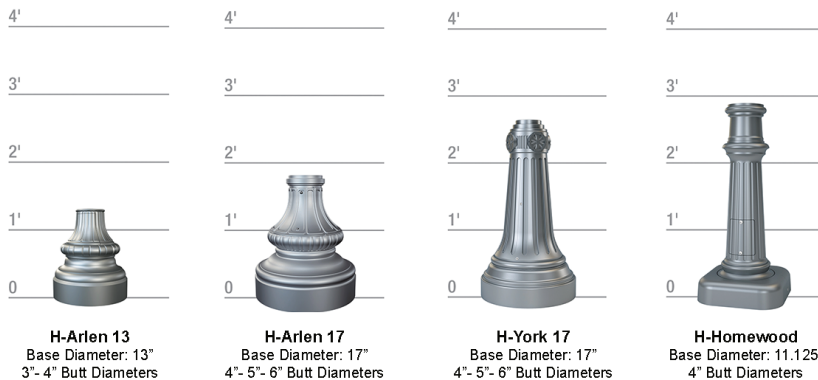
BH1/CA/CG28/SR1/FN1

## OPTIONAL BASE AND POLE ORDERING INFORMATION

| POLE OPTIONS  | DECORATIVE BASE OPTIONS  |
|---|--|
| X - None  | X - None   |
| H-RSA - Round Straight Aluminum                                       | Arlen-13   |
| H-RTA - Round Tapered Aluminum  | Arlen-17   |
| H-RFA - Round Fluted Aluminum   | York-17  |
|   | Homewood   |
| For additional Options<br>click here:<br><a href="#">Pole Options</a> | For additional Options<br>click here:<br><a href="#">Decorative Base Options</a> |

## Decorative Bases Ordering Information

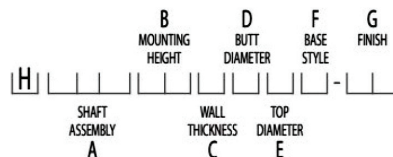
Over 58 Base options available. The most popular listed below. [To view all options, download Base guide here.](#)



## Pole Ordering Information

### Pole Ordering Example: H-RTA30D8B4-01

Rounded Tapered Aluminum, 30' Mounting Height,  
.188" Wall Thickness, 8" Butt Diameter, 4.5" Top Diameter,  
4-Bolt Base, Satin Aluminum Finish



### A General Assembly

H-RSA - Round Straight Aluminum  
H-RTA - Round Tapered Aluminum  
H-RFA - Round Fluted Aluminum

### B Mounting Heights

08 - 8"    14 - 14"    20 - 20"  
10 - 10"    16 - 16"    25 - 25"  
12 - 12"    18 - 18"    30 - 30"

### C Wall Thickness

B - 0.125"    F - 0.250"  
C - 0.156"    G - 0.312"  
D - 0.188"    H - 0.375"  
E - 0.219"

### D Butt Diameter

1 - 10"    5 - 5"    7 - 7"  
2 - 12"    6 - 6"    8 - 8"  
4 - 4"    J - 6.625    9 - 9"

### E Top Diameter

A - 3"  
B - 4.5"  
C - 6"

### F Base Style

3 - 3-Bolt Anchor Base  
4 - 4-Bolt Anchor Base  
V - Bee Hive Base  
H - Hinged Anchor Base  
E - Direct Buried (Embed)  
F - Breakaway Transformer Base

### G Finish

01 - Satin Aluminum (RTA and RSA)  
02 - Satin Aluminum (SSA)  
BA - Black Powder Coat  
BH - White Powder Coat  
BM - Dark Bronze Powder Coat  
BV - Dark Green Powder Coat  
GC - Gray Powder Coat  
.. - Specify Finish

For additional Options, download [Pole Guide Here](#)