

**Technical Specifications**

**GLOBE MATERIALS**

**Acrylic:** Our two-piece acrylic lens post-top features precise prisms achievable only through injection molding. The prisms provide pleasing daytime "prismatic sparkle" and provide excellent uniformity, light distribution, and efficiency for nighttime performance. The globe carries a 20-year warranty which includes resistance to yellowing, as we define as having a yellowness index of less than 7.

**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 ft<sup>2</sup>

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

**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, and 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 in series 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.

**BUY AMERICAN ACT:** The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

**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:  
BH9 Fitter  
PI - Prismatic Injection Molded

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



Shown with:  
PI - Prismatic Injection Molded

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

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



L-RETRO-DG  
Light Engine



L-RETRO-DG  
LIGHT ENGINE

**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**

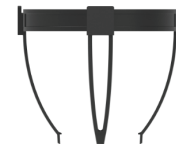
Lumecon Midtown Post-Top Series  
Example Part Number: LM-WW-35-1-22-AC-BH2-BK-CG11-FN1-32-00123-PC-7P

| REQUIRED |               |                 |            |  |                     |                         | OPTIONAL          |        |                 |   |                    |                          |                       |
|----------|---------------|-----------------|------------|--|---------------------|-------------------------|-------------------|--------|-----------------|---|--------------------|--------------------------|-----------------------|
| MODEL    | WATTAGE       | VOLTAGE         | CCT        | GLOBE                                      | FITTER <sup>1</sup> | FINISH                  | CAGE <sup>1</sup> | FINIAL | TOP GLOBE COLOR | HOUSE SIDE SHIELD                                     | PHOTOCELL          | CONTROLS READY           | DISTRIBUTION          |
| LM-WW    | 35 - 35 Watts | 1 - 120v - 277v | 22 - 2200K | AC - Prismatic Injection<br>Molded - Clear | X - None            | BK - Black Gloss        | CG11              | FN1*   | CL - Clear      | 32-00123 -<br>House Side<br>Shield                    | PC - Button<br>Eye | 7P - 7 Pin<br>Receptacle | 32-00114 -<br>Type IV |
|          | 45 - 45 Watts | 2 - 347v - 480v | 27 - 2700K |  | BH0 - 10.25"        | BT - Black Textured     | CG13M1            | FN2    | B - Black       |   |                    |                          |                       |
|          | 55 - 55 Watts |                 |            | 30 - 3000K                                 | BH1 - 10"           | DB - Dark Bronze        | CG21              | FN3    | CC - Custom     | TL - Twist<br>Lock for use<br>with B12 Fitter<br>Only |                    |                          |                       |
|          |               |                 |            | 40 - 4000K                                 | BH2 - 6.75"         | GN - Green              | CG22M1            | FN4*   |                 |   |                    |                          |                       |
|          |               |                 |            | 50 - 5000K                                 | BH3 - 8"            | <b>Premium Finishes</b> | CG23M1            |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH4 - 6.75"                                | WH - White Gloss    | CG28                    |                   |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH5 - 11.25"                               | CF - Custom Finish  | CG38                    |                   |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH8 - 12"                                  |                     |                         |                   |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH9 - 11.5"                                |                     |                         |                   |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH12 <sup>2</sup> - 12"                    |                     |                         |                   |        |                 |   |                    |                          |                       |
|          |               |                 |            | BH13 <sup>3</sup> - 13.4"                  |                     |                         |                   |        |                 |   |                    |                          |                       |

Notes:  
1. Cage and Fitter welded together requiring both to be selected  
2. BH12 is equipped with an access door, a viewing window, a 7-pin twist lock receptacle, and a shorting cap.  
3. BH13 not compatible with Cages  
4. FN1 and FN4 are Acrylic and only available in black

**Fitters**

**Cage Sample**



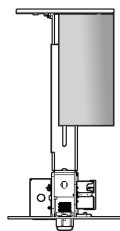
CG22M1 Shown

**Finials**

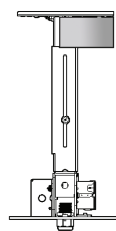
**House Side Shield**

**Distribution**

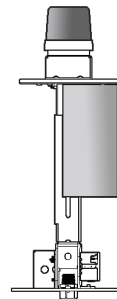
**Controls Ready**



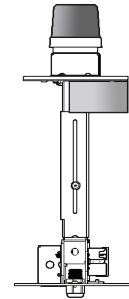
32-00123 -  
House Side Shield



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**



BH9/AC/FN1



BH9/AC/CG11/FN1



BH9/AC/CG13M1/FN1



BH9/AC/CG21/FN1



BH9/AC/CG22M1/FN1



BH9/AC/CG23M1/FN1



BH9/AC/CG28/FN1



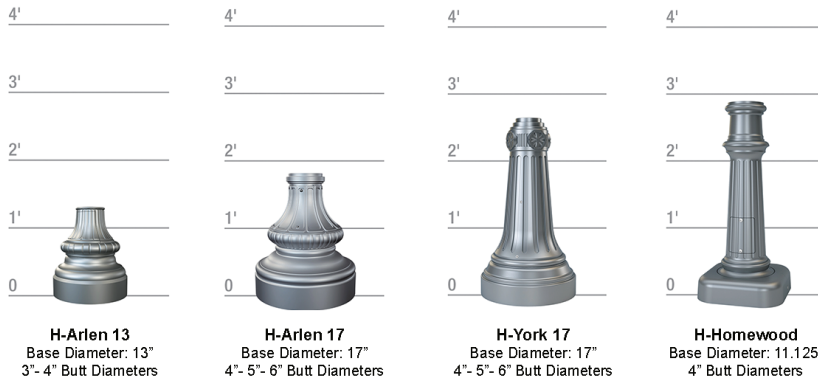
BH9/AC/CG38/FN1

## 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 click here: <a href="#">Pole Options</a> | For additional Options click here: <a href="#">Decorative Base Options</a> |

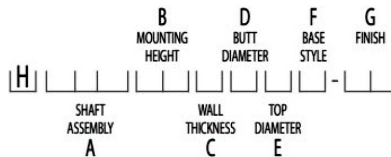
### Decorative Bases Ordering Information

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](#)