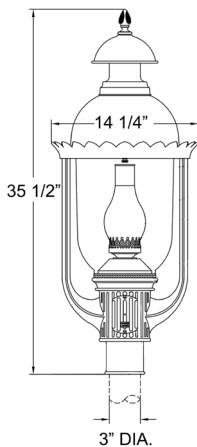




Shown with:
H61640CH Style
Black Finish
CA - Clear Acrylic



H61640CH Style
H: 35 1/2"
W: 14 1/4"
EPA: 2.00
Fitter: 3" Diameter

Technical Specifications

HOUSING: Slip fits over 2 7/8" and 3" OD tenons on most decorative poles. Cast aluminum housing 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-T LIGHT ENGINE

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

EFFECTIVE PROJECTED AREA (EPA): 2.0 ft²

CUSTOM OPTICS: Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and uses less wattage than typical LED area lights.



L-RETRO-T
Light Engine

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: 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. CRI 90+ is available upon request. CRI 90+ is not available in 2200K.

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.

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.

CERTIFICATION: Manufactured with ETL-compliant components.

WARRANTY: 10 Year L70 performance-based warranty. For full warranty terms, please visit our website: www.lumecon.com.



L-RETRO-T
LIGHT ENGINE
Intertek

PERFORMANCE DATA

| Model | Distribution Type | Watts | 2200K | | 2700K | | 3000K | | 4000K | | 5000K | |
|--------|-------------------|-------|--------|----------|--------|----------|--------|----------|--------|----------|--------|----------|
| | | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| LM-CAS | Type 2 | 20W | 2,001 | 100 | 2,470 | 124 | 2,503 | 125 | 2,792 | 140 | 2,792 | 140 |
| | Type 3 | 20W | 2,062 | 103 | 2,546 | 127 | 2,579 | 129 | 2,877 | 144 | 2,877 | 144 |
| | Type 4 | 20W | 1,969 | 98 | 2,431 | 122 | 2,463 | 123 | 2,747 | 137 | 2,747 | 137 |
| | Type 5 | 20W | 1,972 | 99 | 2,435 | 122 | 2,467 | 123 | 2,747 | 138 | 2,747 | 138 |
| LM-CAS | Type 2 | 40W | 4,120 | 103 | 5,087 | 127 | 5,150 | 129 | 5,712 | 143 | 5,712 | 143 |
| | Type 3 | 40W | 4,142 | 104 | 5,114 | 128 | 5,177 | 129 | 5,743 | 144 | 5,743 | 144 |
| | Type 4 | 40W | 4,109 | 103 | 5,073 | 127 | 5,135 | 128 | 5,696 | 142 | 5,696 | 142 |
| | Type 5 | 40W | 4,110 | 103 | 5,074 | 17 | 5,137 | 128 | 5,697 | 142 | 5,697 | 142 |
| LM-CAS | Type 2 | 60W | 6,084 | 101 | 7,511 | 125 | 7,604 | 127 | 8,448 | 141 | 8,448 | 141 |
| | Type 3 | 60W | 6,117 | 102 | 7,552 | 126 | 7,646 | 127 | 8,494 | 142 | 8,494 | 142 |
| | Type 4 | 60W | 6,066 | 101 | 7,489 | 125 | 7,583 | 126 | 8,424 | 140 | 8,424 | 140 |
| | Type 5 | 60W | 6,068 | 101 | 7,491 | 125 | 7,585 | 126 | 8,426 | 140 | 8,426 | 140 |

ORDERING INFORMATION

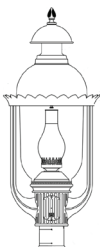
Lumecon Midtown Post-Top Series

Example Part Number: LM-CAS-H61640CH-45-1-40-T2-WA-BLK-PC-BL

| REQUIRED | | | | | | | | OPTIONAL | | |
|----------|-----------|---------------|-----------------|------------|---------------|------------------------|--------------------------|-----------------|-------------------------|--|
| MODEL | STYLE | WATTAGE | VOLTAGE | CCT | DISTRIBUTION | LENS | FINISH | PHOTOCELL | HOUSE SIDE SHIELD | DIMMING CONTROLS |
| LM-CAS | H61640CH | 20 - 20 Watts | 1 - 120v - 277v | 22 - 2200K | T2 - Type II | NL - No Lens* | See Samples on next page | PC - Button Eye | BL - Back Light Louvers | FAWS - Field Adjustable Wattage Selector |
| | H61640FSM | 40 - 40 Watts | 2 - 347v - 480v | 27 - 2700K | T3 - Type III | CA - Clear Acrylic | | | | |
| | | 60 - 60 Watts | | 30 - 3000K | T4 - Type IV | PA - Prismatic Acrylic | | | | |
| | | | | 40 - 4000K | T5 - Type V | WA - White Acrylic | | | | |
| | | | | 50 - 5000K | | | | | | |
| | | | | | | | | | | |

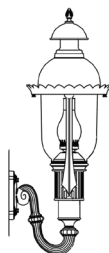
*Dark Sky Compliant with 3000K, 2700K and 2200K CCT

Product Style Samples



H61640CH
H: 35 1/2"
W: 14 1/4"
EPA: 2.00
Fitter: 3" Dia.

To view specific details,
[download here](#)



H61640FSM
H: 41 3/8"
W: 14 1/4"
Proj: 17 1/4"
T/O: 31 1/4"

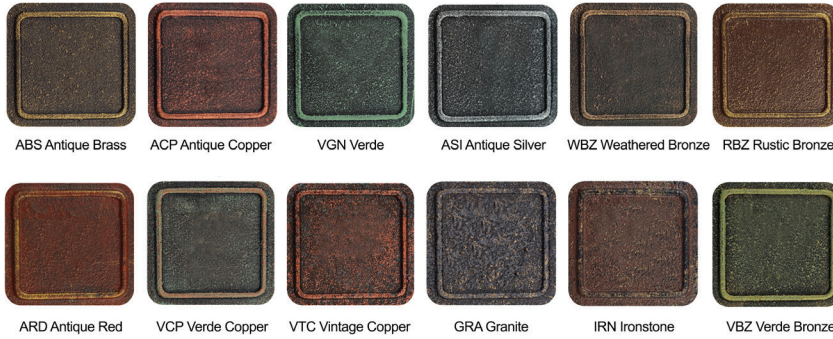
To view specific details,
[download here](#)

Available Finishes

Standard



Premium



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: Pole Options | For additional Options click here: Decorative Base Options |

Decorative Bases Ordering Information

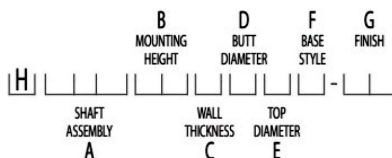
Over 58 Base options available. The most popular listed below. [To view all options, download Base guide here.](#)



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](#)