



LED Post-Top Lanterns

Full Cutoff Series



Holophane® LED Post-top Full Cutoff Lanterns enhance your site by day while preserving dark skies at night.

The vintage styling of Holophane luminaires has adorned urban streets and parks since the early 20th century. Combining improved LED technology and timeless design, this series of utility luminaires features a “nighttime friendly” optical design to meet the modern needs of sustainable urban planning and energy management.

Holophane LED Post-top Full Cutoff Lanterns are designed to meet the IESNA requirements for zero-uplight classification and reduced impact on urban sky glow. With a wide range of distributions and lumen packages available in three classic form factors, these powerful LED lanterns are “feature-rich” and provide lighting designers with a high level of design flexibility in color temperature, optical distribution choices, and controls technology.

At a Glance

Three traditional daytime forms perfect for most downtown areas, historical districts and many other areas where the classic period styling is desired

Gen 3 LED technology providing lumen packages ranging from 1,900 to 17,400 lumens with up to 148 LPW

Zero-uplight optics provide high visibility in the space while protecting the night skies from light pollution

Multiple optical configurations including new frosted glass optic to balance lighting performance and visual comfort to your specific needs

Four lighting distribution options to choose from for roadway and area lighting applications

Utility friendly features such as toolless access and pre-wired terminal block mean simplified installation and maintenance

CSA Listed with proven testing to ensure safe, reliable operation

Optional Extreme Surge Protection Device 20kV/10kA protection safeguards your system from lightning strikes and voltage spikes

Driver options such as DALI or XVOLT with ZetaShield™ technology are available for a wide range of switchable and dimmable LED requirements

Variety of color temperatures available, including 2700K, 3000K and 4000K CCT for a warm light that provides higher color rendering (CRI) than HPS sources

Robust thermal management decreases heat to extend the life of the LED system to over 20 years

Updated controls options including occupancy sensor, field-adjustable lumen output, and the latest internal or external NEMA P7 photocontrols from DTL® and nLight® AIR



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction



Typical Applications

City Streets

Parks

Residential Areas

Campuses

Walkways

Public Squares



Arlington Full Cutoff LED



Taft Full Cutoff LED



Washington Full Cutoff LED

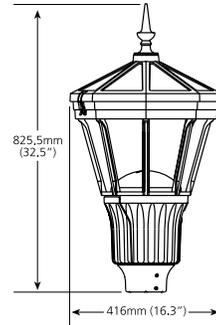




AUCL3

Arlington® Full Cutoff LED

The Arlington LED presents a classic octagonal form factor commonly desired in many period style architectural sites and streetscapes. Capitalizing on the Holophane heritage of over a century in optical excellence, the Arlington provides attractive daytime appeal and a comfortable light source that is nighttime-friendly for the environment.



AUCL3 | Arlington Full Cutoff LED

Max Weight: 18.43 kg (40 lbs)

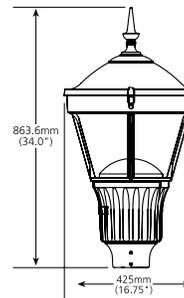
Max EPA: 1.38 sqft



PUCL3

Taft Full Cutoff LED

When a round form factor is desired, the Taft LED offers an attractive, reliable solution for applications requiring full cutoff distributions. Decorative options are also available to customize your Taft LED further – choose from either of two finial tops or even configure your luminaire with an optional photocontrol receptacle.



PUCL3 | Taft Full Cutoff LED

Max Weight: 17.69 kg (39 lbs)

Max EPA: 1.24 sqft

WFCL3

Washington Full Cutoff LED

With a slightly larger form factor than the Arlington or Taft series, the Washington provides a solution that scales up nicely with greater mounting heights. It also offers a more traditional acorn shape with more ornate decorative features. All of the Full Cutoff LED Series offer a diverse set of optical distributions and even a house-side shield option.



WFCL3 | Washington Full Cutoff LED
Max Weight: 25.6 kg (57 lbs)
Max EPA: 1.72 sqft



Options to balance performance and visual comfort

With the Full Cutoff LED Lanterns portfolio from Holophane, you can customize your optical configuration to balance lumen output with visual comfort. The illustration below shows the four possible configurations with no glass, clear glass or even frosted glass for maximum visual comfort. The surround backplate can be configured in either white or the fixture housing color.

Frosted Glass



Clear Glass



No Glass



Housing-colored surround backplate for optional day form



Maximize Visual Comfort



Maximize Lumen Output

Refer to product specifications and photometry for specific details on lumen output for each of the above configurations.

LED Post-top Full Cutoff LED

Period Style with Breakthrough Performance

Choice of decorative finial or top-mount photo receptacle

Three form factors to choose from

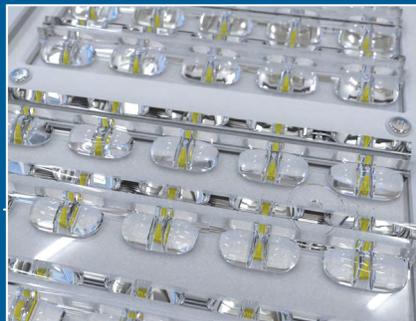
IP66-rated full cutoff optical chamber

Configure with clear glass, frosted glass or no glass

Robust cast aluminum construction

- + **Zero-uplight optics** provide performance while protecting the night skies from excessive light pollution
- + **Visually comfortable** optical configurations including new frosted glass option
- + **Superior optical engineering** for maximum lighting efficiency and uniformity
- + **Robust electrical design** includes optional 20kV/10kA surge protection and DALI and X-VOLT drivers with ZetaShield technology
- + **Utility friendly features** such as hinged door with toolless latch entry and pre-wired terminal block
- + **Decorative options** and a wide choice of durable paint finishes to enhance your site or streetscape
- + **Expanded controls options** include optional 7-pin photocontrol receptacle and occupancy sensors

High Performance LED Engine



Thermally Engineered for
20-Years Expected Service Life

Utility-friendly Design Features



Your choice of decorative finials or P7 receptacle

The Full Cutoff LED Lantern series is available with your choice of ball or spike finials, or you can replace the finial feature with an optional 7-pin photocontrol receptacle. The external receptacle facilitates unhindered radio reception for wireless network controls.



Increase savings with controls

Enhancing energy savings by incorporating controls can save an additional 25% to 45% energy. Popular outdoor control strategies include dimming, scheduling and monitoring. Lowering energy consumption through the use of controls is a “green” solution too - helping to enhance sustainability and reducing the impact of our carbon footprint.

DTL DLL Elite

With superior LED inrush current protection and TRIAC-assisted relay, the DLL Elite LED photocontrol is designed to last as long as the LED lighting system itself - 20 years or longer.



DTL Wireless Network Controls

Wireless control solutions from DTL combine the reliability of the DLL Elite photocontrol with the performance of the Itron network platform for unparalleled functionality and adaptive control of street lighting systems. These solutions offer access to a multi-application platform, providing one network for critical infrastructure solutions like smart lighting, smart metering and other outdoor IoT technologies.



nLight AIR

Control options from nLight provide access to an nLight AIR network for complete indoor and outdoor site lighting applications. Also available are configurations providing occupancy sensor features.



The takeaway

Multiple traditional daytime forms:

- + Arlington (AUCL3)
- + Taft (PUCL3)
- + Washington (WFCL3)

Multiple optical configurations:

- + No glass – white or color surround plate
- + Clear glass – white or color surround plate
- + Frosted glass – white surround plate

Three standard color temperatures (70CRI):

- + 2700K CCT
- + 3000K CCT
- + 4000K CCT

A variety of optical distributions

- + Type 2: Zero Uplight
- + Type 3: Zero Uplight
- + Type 4: Zero Uplight
- + Type 5: Zero Uplight
- + House-Side Shielding option

Controls options:

- + 7 pin (internal or external)
- + DTL 20-year photocontrols
- + nLight AIR controls

Variety of durable color finishes:

- + Black
- + Gray
- + Graphite
- + Green
- + White
- + Bronze
- + Custom Match



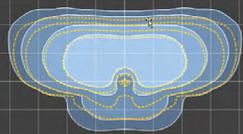
LED Post-Top Lanterns

Full Cutoff Series

Avoid light trespass with house-side shield option

The Full Cutoff LED Series can eliminate not only upward sky-glow but it also is now available with an optional house-side shield to rectify problems arising from light trespass. The house-side shield feature can be purchased as a factory-installed option or installed later in the field if needed.

ISO Footprint without
HSS vs with HSS



PUCL3 P30 40K FC3
BUG Rating B2-U0-G2

PUCL3 P30 40K FC3 HSS
BUG Rating B1-U0-G2



HOLOPHANE[®]
LEADER IN LIGHTING SOLUTIONS

Acuity Brands Lighting, Inc.

Holophane Headquarters, One Lithonia Way, Conyers, GA 30012

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies.

Warranty Five-year limited warranty.

Full warranty terms located at <https://www.acuitybrands.com/support/warranty>

Visit our web site at www.holophane.com