LEDioc® LED Post Top Upgrade Kit
Are you ready to make the switch to LED?

It isn't a secret that LED is taking over the lighting industry. In most cases, the switch to LED starts with cost concerns of maintenance and energy consumption due to budget constraints.

The challenge remains to convert existing HID post top luminaires to LED while maintaining their historic, architectural and decorative qualities.

EYE Lighting eliminates that challenge with state-of-the-art LEDioc® Post Top Upgrade Kits!

What is LEDioc?

LEDioc is a comprehensive LED Post Top Upgrade Kit for existing luminaires. It has been installed in many post top styles from a majority of manufacturers. EYE Lighting understands quality lighting; from positioning the lamp light center properly into a luminaire’s optics, to ensuring heat is properly managed maximizing the life of components. All of this was taken into careful consideration during the development of the LEDioc LED Upgrade Kit.

The light center length (LCL) of the LEDioc lamp is adjustable to match the replaced HID system. The light emitted from the luminaire globe produces minimal glare and excellent light distribution. This ensures optimal photometric performance from the luminaire.

The 3000K, 4000K and 5000K versions can create the warm, inviting glow reminiscent of period style lamps, or provide the bright, crisp white light for dramatically improved visual acuity. All improve color rendering over typical HID lamps with color indexes well above typical HID systems.

LEDioc Applications

- Street and Area
- Historic Districts
- City Parks and Recreation
- Campuses
- Glass Lens Post Tops
- Plastic Lens Post Tops

Top to bottom: Cleveland, OH RTA; University of Louisville; San Diego Zoo
LEDioc® LED Post Top Upgrade Kit
Engineered system for thermal, mechanical & photometric compatibility and ease of Installation

Features
• Designed for use in most existing HID post top decorative luminaires
• Patented technology
• Vertical, base up or down burning positions
• Cast aluminum heat sinks
• Unique thermal management design
• Uses energy-saving LEDs
• Available with House-Friendly™ Shield
• DLC Qualified versions available

Benefits
• Saves up to 240W per lamp ($1,325 over the life of the lamp)
• Preserves existing luminaire minimizing new investment
• Reduces operating and maintenance costs
• Environmentally friendly
• Ease of installation reduces labor costs
• Long-life solution: >50,000 hours

1 LED Lamp
Superior LED lamp technology utilizing high-efficacy chips, cast aluminum heat sinks and no moving parts

2 Adjustable
Positioned for optimal optical performance and toolless adjustment

3 Mounting Structure
Three different mounting positions

4 Driver
0-10V dimmable LED driver

5 Surge Protector
3-wire 10kV/18kA

6 Electrical
Prewired base facilitates ease of installation
LEDioc FLX Post Top Upgrade

LEDioc FLX

The LEDioc FLX Post Top Upgrade Kit allows easy changeover from HID to LED. The easy-to-install multi-position FLX box accommodates most luminaires while the toolless, adjustable light center length (LCL) preserves the optics of existing historic, architectural and decorative post-top luminaires. LEDioc is the perfect solution for many utilities, historic districts, college campuses and park areas.

- Fast and flexible HID to LED conversion
- 1750 to 6530 Lumens
- 30W and 50W
- 3000K, 4000K and 5000K CCT
- 0-10V dimmable output
- Fixed dimmer available for 30W (14W)
- Toolless, adjustable light center length (LCL)
- Multi-position mount box/power unit
- ETL Recognized power unit assembly and LED lamp

LEDioc FLX with 7-pin Receptacle

The LEDioc FLX Post Top Upgrade Kit with the 7-pin receptacle is ready to accept an intelligent control node. This allows the multi-position FLX box system to accommodate additional features such as dimming, GPS, power metering, outage notifications and other add-on monitoring devices. Utilities and other public areas can maintain existing HID post top luminaire optics while adding all the latest energy saving features.

- Fast and flexible HID to LED conversion
- Universal wireless control node compatible*
- “Future-proof” for planned controls
- Maintain current controls platform
- Provides optimum energy saving opportunity
- Additional sensor communication capability
- ETL Recognized power unit assembly and LED lamp

* Wireless control node sold separately.

Product specifications subject to change or product may be discontinued without notice. Data shown is typical and based on laboratory conditions. Actual performance in specific applications may vary.
FLX Configurations

Available Accessories

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>30W</th>
<th>50W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Dimmer</td>
<td>14W fixed dimmer for 30W LEDioc FLX</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Shield</td>
<td>House-Friendly™ shield for LEDioc FLX lamps</td>
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LEDioc® Energy Savings

<table>
<thead>
<tr>
<th>HID Lamp</th>
<th>175W</th>
<th>$79</th>
<th>$990</th>
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<tbody>
<tr>
<td>HID System</td>
<td>210W</td>
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<td></td>
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<tr>
<td>LED System</td>
<td>30W</td>
<td>Energy Savings: 180W</td>
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<tr>
<td>HID Lamp</td>
<td>250W</td>
<td>$106</td>
<td>$1,325</td>
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<tr>
<td>HID System</td>
<td>290W</td>
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<td></td>
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<tr>
<td>LED System</td>
<td>50W</td>
<td>Energy Savings: 240W</td>
<td></td>
</tr>
</tbody>
</table>

NOTES
1. Savings calculations do NOT include the replacement cost of multiple HID lamps, ballasts, ignitors or the replacement labor/equipment cost.
2. Based on 4000-hours Annual Operating Time/Year and 0.11kWh Energy Rate
3. Life of Lamp based on Lₚ @ 25°C and 50,000-hours

REPLACEMENT INFORMATION
30W replaces from 100W up to 175W HID lamp.
50W replaces from 150W up to 250W HID lamp.
Replacement will vary based on luminaire type and HID source.
Custom Engineered Solutions
Upgrading is Easy with LEDioc®

EYE Lighting offers custom engineered solutions for those applications when the FLX models will not fit into the specified mount. Our team of engineers and technicians will work with you to design a custom solution that will easily install into the desired fixture.

The complete LEDioc engineered solution includes:
- EYE LEDioc lamp
- Driver
- Surge protector
- Toolless, adjustable light center length (LCL)
- Mounting plate for the customer’s specific luminaire to match existing holes and features
- ETL and DLC versions available

Installation is easy, thermal/mechanical compatibility is assured, and lamp LCL is maintained, preserving the optics and photometric performance of the existing luminaire. Each solution includes luminaire specific application guidelines for the installer. Contact factory for additional information.

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Commitment to Quality

As a company that places the customer at the center-point of our business, EYE Lighting International continuously strives to improve all of our processes while focusing on enhancing the skill-set of our employees. This proven, results oriented philosophy enables us to produce the highest quality LED luminaires and lamps in the industry. At EYE Lighting International, our commitment to lighting quality is our number one customer promise.

EYE Lighting is proud to have these certifications:

**ISO 9001:2008 Certified**
- Disciplined business management system
- Puts processes in place to meet customers needs

**ISO 14001:2004 Certified**
- Commitment to meet or exceed Environmental Regulatory requirements
- In-house infrastructure for comprehensive recycling

**OHSAS 18001:2007 Certified**
- Commitment to meet or exceed regulatory health and safety requirements

**ISO 17025:2005 Accredited**
- On-site research and development laboratory to develop and certify innovative products and technologies
- Provide engineering and technical support to assist in evaluation of customer product performance/compliance

EYE Lighting International

EYE Lighting International, headquartered in Mentor, Ohio, is a leading provider of lighting products. EYE, an innovator in lighting technology since 1991, manufactures technically superior products featuring solid-state LED Luminaires, LED Upgrade Kits, Control Systems and High Intensity Discharge (HID) lamps.

The products, which are specified by lighting designers, utilities, municipalities, lighting management and energy service companies, are used in commercial and institutional applications, sports and infrastructure lighting.

EYE Lighting’s products provide superior quality, reliability and excellent color rendering while providing long life. Every day satisfied customers use EYE-brand products to reduce energy use and maintenance costs to help meet their sustainability goals.

**ALSO AVAILABLE FROM EYE LIGHTING**

Visit www.eyelighting.com for more information

**Wireless Controls**
Indoor or Outdoor Intelligent Controls

**Photocontrols**
Controls for LED, HID and Induction Lighting

LONG LIFE and Standard Controls available