

LED Retrofit Kit

HANOVER HYDE PARK

2100 Series Post Top

Comments:

Kit to be programmed at either 35W, 45W or 55W
Can be ordered in Type III or Type V

Technical Specifications

Input Voltage: 120V-277V or 347V-480V

Kit Contents: The kit consists of an aluminum panel with integrated LED circuit board, LED driver, 20kA surge suppressor, and all wiring and hardware required for installation. Installation of the kit to the existing fixture is accomplished via provided mounting screws. The kit height can be field adjusted vertically to accommodate various existing globe heights as needed.

Power Supply: A single wide range (120V to 277V) 60 watt, regulated DC power supply is included. The power supply is compliant with all relevant UL and FCC standards for LED drivers. 0-10V dimming is standard.

The power supply performance meets the following electrical characteristics: THD: Less than 20%. PF: Greater than 0.90 @ 120V.

Color Temperature: All 2700K, 3000K, 4000K and 5000K LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient temperatures from -40°F to 120°F.

Light Engine: Each LED light engine consists of a circuit board of 80 Nichia 757G LEDs. The LED board is mounted to a 0.125 aluminum disk and heat sink for maximum heat dissipation from the LEDs.

Color Rendering Index (CRI): Minimum of 80+ or higher.

Dimming: 0-10V standard dimming capability.

Surge Protection: Thermally protected 20kA/40kA/40kV varistor type surge suppressor is included and meets ANSI C136.2-2015 - Extreme transient exposure level. Also meets IEC61643-11 Class II/EN61643-11 Type II, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and critical boards from additional electrical surges.

Lumecon ETD™ System: The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture 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.

Performance Data Options

Model: **RTK2100**

Watts	Delivered Lumens	Efficacy	Color Temp.	Distribution
35W	4,294 (est)	118 LPW (est)	27K, 30K, 40K, 50K	Type III/IV or Type V
45W	5,311 (est)	118 LPW (est)	27K, 30K, 40K, 50K	Type III/IV or Type V
55W	6,434 (est)	116 LPW (est)	27K, 30K, 40K, 50K	Type III/IV or Type V



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 Data: CSA 22.2 No. 250 for Wet Locations.

* Full compliance and test documentation is available for TM-21, LM-79, LM-80, CSA Listing to UL1598C and UL 8750.

WManufacturing Origin: US Manufactured and Assembled.

Buy American: Meets Buy American requirements within the ARRA.

Warranty: 10 Year L70 performance based warranty. For full warranty terms, please visit our website: www.hanoverlantern.com

Description

The retrofit kit is designed to upgrade the Hyde Park fixture to the latest LED technology. This kit is available in multiple wattages, color temperatures and optical distribution patterns. Installation is designed to be simple and efficient using existing hardware.

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www.hanoverlantern.com