Vibrant LED Pilot Lights Add Long Life to Industrial Control Status Indicators

Continuing to expand its offerings of based LEDs for industrial controls and retrofit panel mount applications, LEDtronics introduces 22mm and 30mm direct incandescent-replacement RPLH Series Panel LED Pilot Lamps and Holders. Comprising an integrated modular system, the RPLH Series are complete assemblies that incorporate the lens, lamp and lamp holder.

The RPLH Series is an excellent choice for applications where space is a concern and aesthetics a consideration. RPLH22-02-0X-02Z47 is 22mm and the RPLH30-02-0X-02Z47 30mm mounting hole, with behind-the-panel depths ranging from 0.93 to 1.04 inches. Offering sunlight-visible light colors, the RPLH Series Lamps and Holders can be employed in utility monitoring boards, industrial control equipment, audio and intercom panels, broadcast equipment, nuclear power status stations and medical instrumentation.

Like the incandescent bulbs commonly used in panel mount applications, LEDtronics' RPLH Series LED lamps feature T3¼ (9mm) single-contact miniature bayonet bases that give installation a familiar twist. RPLH Series LED lamp assemblies are rated for 130VDC/120VAC input – 50Volts DC minimum. They directly replace 28MB, 313, 757, 1819MB series incandescent bulbs. All LED light output colors are sunlight visible and include: 650nm red, 610nm amber, 596nm yellow, 519nm green, 462nm blue and 8000 Kelvin white.

Raised Lexan® fresnel lenses resist impact, provide an optimal viewing angle of 180 degrees, maximize light dispersion and come in a variety of colors. Designed

for screw-on mounting, lenses are independent of the lamp fixtures, enabling them and the LED lamps to be easily changed.

The RPHL Series lamp holders are made of rugged, black Rynite® polyester resin (UL class UL94V0, UL listing E110075) that withstands the rigors of industrial environments and provides enhanced viewer contrast. Holders incorporate captive terminal screws with self-lifting pressure wire clamps that accept up to two 14-gauge wires. Lamp holders are rated for incoming voltages of 130VDC/120VAC input – 50Volts DC minimum. Compact RPHL Series holders fit many space-restricted applications with behind-the-panel depths of 0.94", 1.04" and 0.93" 22mm and 30mm fixtures, respectively.

The solid-state design of the RPLH Series LED lamps renders them impervious to electrical and mechanical shock, vibration, frequent switching and environmental extremes. With an average life span of 100,000-plus hours (11 years) and up to 50,000 hours for the white LED—more than 30 times longer than the equivalent incandescent lamp—RPLH Series LED lamps operate reliably year after year. Savings from reduced maintenance costs and downtime quickly return the capital investment expenditure!

Additionally, RPLH Series LED lamps produce almost no heat and require 80% - 90% less operating power than equivalent incandescent bulbs, making them as friendly to the environment as they are to the operating budget.

Founded in 1983, LEDtronics leads where others only follow when it comes to designing, manufacturing and packaging state-of-the-art LEDs to meet the world’s constantly changing lighting needs. Our inventive product line encompasses an array of direct incandescent lamp replacement Based LEDs, low-cost snap-in and relampable Panel Mount LEDs, high intensity sunlight-visible Discrete LEDs, PCB LEDs circuit board status indicators, surface mount diodes SMT LEDs, full-spectrum rainbow RGB LEDs and Infra-Red (IR) LEDs.

Prices for the RPLH Series Panel Pilot LED Lamps and Holders range from $27.97 to $29.50 each, depending on the holder size and selected LED color. For additional information on incorporating the RPLH Series Panel Pilot LED Lamps and Holders into your industrial control equipment, visit www.LEDtronics.com [1].

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[1] http://www.LEDtronics.com