LED Lamp Replaces 895-Style Incandescents

DDP, a leader in engineered LED solutions, has developed a solid-state LED lamp to replace 895-style incandescent bulbs used as door status indicators in rail applications. The 895L-X-M3 Series is designed to provide 180-degree visibility for exterior bodyside rail indication. The benefits of solid-state LED technology are particularly beneficial in high vibration, harsh voltage rail applications where durability and reliability are essential, as these indicator lights provide critical monitoring of commuter rail door status.

At upwards of 90 lumens, the DDP 895L Series LED lamp provides a drop-in replacement of the 895 incandescent bulb by meeting industry standard sunlight visibility and viewing angle requirements. Available in red, amber, turquoise, blue, warm white, and lunar white, the DDP 895L will illuminate all industry-standard indicator lenses without mechanical or electrical modification.

Designed to operate at 37.5 volts DC, the 895L LED lamp includes an internal voltage regulator to allow even illumination despite common voltage fluctuations between 20 - 45 volts DC. Additional internal circuitry protects the DDP 895L from transient voltage spikes and circuit noise.

"We designed our 895L Series lamps in response to numerous requests from rail maintenance engineers across the country. The incandescent bulbs require constant costly replacement. The challenge was to develop an LED lamp that was a drop-in retrofit, and still be able to provide the sunlight visibility, constant brightness despite voltage fluctuations, and extreme mechanical shock in the rail environment." said Tony Toniolo, DDP President.

The DDP 895L Series incorporates first tier LED technology providing upwards of

100,000 hours of operating life. Drawing only 45mA, the DDP 895L operates at one-tenth the current of the 895 incandescent bulb - greatly increasing battery life and reducing inductor maintenance on rail vehicles.

For more information, or to talk to one of DDP's LED engineering experts, contact DDP at 445 South Douglas Street, El Segundo, California 90245;
e-mail techsupport@ddpleds.com [1]; call (800) 421-6815; or go to www.ddpleds.com [2].

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