DINEX *Lighting* ™

- BLUE-WHITE color transitions

- Smooth and comfortable lighting (soft fade on-off)

- High performance LED

- Software programmable (color transition, on-off, brightness, and dimming)

- Photo sensor ambient light detection

- Rugged and reliable

- Emergency battery backup

- DINEX™ Intelligent Multiplex System

Safety First

Combining high visibility with increased operator focus, the DINEX™ Lighting SAPPHIRE Safety LED Lighting System features programmable BLUE and WHITE color transitions. During passenger boarding, bright white light improves visibility and safety. While the bus is in motion, gentle blue light minimizes distracting reflections and glare for the operator, while providing a relaxing environment for passengers.

Transitions

Programmable color transitions can be automatically initiated by door activation. Flowing color transitions provide the best of both worlds: WHITE for clear visibility and passenger safety. BLUE for maximum operator awareness and nighttime focus without distracting glare.

Photo Sensor Detection

Optional photo sensors for automatic operating capacity brightness adjustment, from 100% night time to 60% day time illumination levels are available upon request.
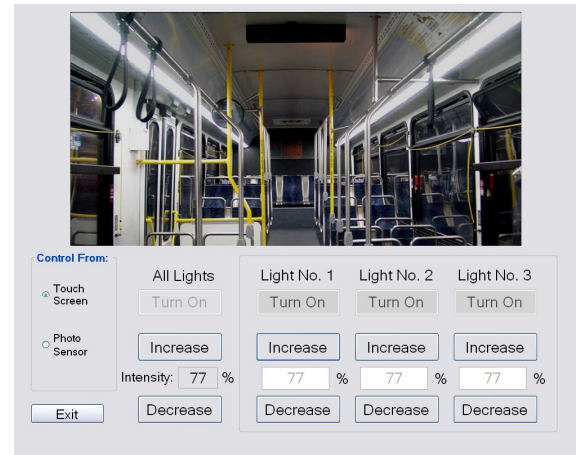
Unique Advantages

- Best of both worlds: WHITE light for visibility and safety, BLUE light for nighttime focus

- Better light uniformity and consistency (No hot spots or noticeable color variation)

- Long-life LED with 60,000 hours of expected standard operation

- Software programmable

- Optional emergency battery backup system*

- Optional brightness adjustment based on ambient light

- Instant on, no warm up time necessary, unlimited number of on-off cycles

- Standard wiring harness

* Patent pending

Software Programmable

DINEX™ SAPPHIRE is controlled by an intelligent network multiplex system, designed for unlimited on-off cycles with no decline in service life. The DINEX™ multiplex system allows for independent activation and/or color transition control. Maintenance troubleshooting is easy with software featuring a simple graphical user interface (GUI), real-time monitoring of each light fixture, individual brightness level control, and custom blue-white color mixing.

Smooth and Comfortable Lighting

DINEX™ SAPPHIRE is an energy efficient next-generation lighting solution for transit vehicles. High performing LEDs and strict bin control provides smooth light output with uniform and consistent illumination, further enhancing the passenger transit experience. As the industry leader for transit lighting, DINEX™ Lighting only sources the best LEDs for maximizing light output while maintaining more than 70% of original output brightness within 60,000 hours of operation.

Multiplex Compatible

All DINEX™ LED Lighting System products are compatible with DINEX™ and other multiplex systems. Using standard wiring harnesses simplifies system integration and installation, reducing costs for bus manufacturers.

Emergency System (optional)

DINEX™ LED Lighting System package comes with the option of having the emergency battery backup lighting. It keeps certain lighting fixtures to remain at minimum output illuminated under battery power for a considerable length of time, allowing for passenger visibility and timely egress from the vehicle during emergency conditions.

Warranty

I/O Controls provides a 12 year limited warranty or 500,000 miles (whichever comes first) on LED lights. Limited warranty does not cover misuse and abuse.

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