Lightfair showcase .09

Meeting Global Demands for Superior Technology

Booth 1522

A Division Of Philips Electronics North America Corporation

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For a century and counting, Philips has been the foremost innovator and provider of lighting technologies that can transform our world both visually and practically. Now we're transforming light itself; surpassing the notion of "bulbs" and "fixtures" to deliver integrated customer-centric solutions for more efficient, sustainable and dynamic environments. From components to complete systems, Philips unifies the tools, technologies and services to harness the transformative power of light.

e-ARC Keeper for 20-39 W eHIDs

Philips Emergency Lighting introduces the Philips Bodine **e-ARC Keeper®** for 20-39 W Electronic HID Ballasts. The **e-ARC Keeper**, a rapid transfer backup power device, prevents the arc of an HID lamp from extinguishing during AC utility power interruptions. The **e-ARC Keeper** senses an interruption before it can become problematic to the lamp and immediately begins supplying power to the HID ballast. It will support the ballast for 30 seconds, enough time for a generator to take over or for the interruption to pass.

The **e-ARC Keeper** is the latest addition to the ARC Keeper family, which includes pulse-start and probe-start models. Unlike the **e-ARC Keeper**, other ARC Keeper models are designed to power the HID lamp rather than the HID ballast. They support the lamp for up to two minutes.

ARC Keeper is an award-winning line. **Arctic ARC Keeper®**, a pulse-start model, was *Most Innovative Product of the Year* at Lightfair 2007. The Arctic operates at ambient temperatures ranging from -40° F to +131° F. Standard ARC Keeper models and the new **e-ARC Keeper** operate at 32° F to +131° F. All are suitable for indoor and damp.

New Low-Profile Emergency Ballasts

The Philips Bodine **B100LP**, **B60LP** and **B60LPU** are the newest in our family of low-profile fluorescent emergency ballasts. The LP line is designed to accommodate space-limited and architecturally sensitive fixtures. The new LPs are low-profile versions of our popular **B100**, **B60** and **BDL60U**.

B100LP: 16.7" x 1.7" x 1.18" (424 mm x 43 mm x 30 mm) The **B100LP** operates one lamp in emergency mode for a minimum of 90 minutes and provides up to 500 lumens initial light output. It is compatible with most 17-40 W (2'-4') T8, T10 and T12 lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving, and with most (4-pin) long compacts.

B60LP: 16.7" x 1.7" x 1.18" (424 mm x 43 mm x 30 mm) The **B60LP** operates one or two lamps in emergency mode for a minimum of 90 minutes and provides up to 700 lumens initial light output. It is compatible with most 17-215 W (2'-8') T8, T10 and T12 lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving, and with most (4-pin) long compacts.

B60LPU: 16.7" x 1.7" x 1.18" (424 mm x 43 mm x 30 mm) The **B60LPU** operates one or two lamps in emergency mode for a minimum of 90 minutes and provides up to 700 lumens initial light output. The emergency ballast is designed for universal input applications (120-277 VAC, 50 or 60 Hz). It is compatible with most 17-215 W (2'-8') T8, T10 and T12 lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving, and with most (4-pin) long compacts.

The new LP models are UL Listed and suitable for indoor and damp locations and for sealed & gasketed fixtures. All feature our patented ELC circuitry, which delays AC ballast operation for approximately three seconds upon restoration of normal power following emergency operation. This delay prevents false tripping of the AC ballast end-of-lamp-life shutdown circuit.

BSL23C Emergency LED Driver

The award-winning Philips Bodine **BSL23C** Emergency LED Driver operates a lighting load of 3.5 W at full rated current of 200 mA during loss of normal AC power. The emergency driver works in conjunction with the LED driver to convert the fixture into an emergency lighting unit. It provides a minimum 90 minutes of emergency lighting, in compliance with code. **BSL23C** is a conduit model. A non-conduit version, **BSL23**, is also available.

Product Highlights

- Ideal for downlight applications
- 3.5 W output power
- 90-minute code-compliant run time
- Dual input voltage (120/277 V)
- Dimensions: 9.4" x 2.4" x 1.5"
- Suitable for indoor and damp (Non-conduit BSL23 is also suitable for sealed & gasketed fixtures.)
- Five-year warranty (not pro-rata)
- UL Component Recognized for factory installation only
- Category winner at Lightfair 2008

The ELC Advantage

ELC is the standard for all Philips Bodine fluorescent emergency ballasts. ELC indicates that the emergency ballast is compatible with EOL (end-of-lamp-life) circuitry in AC ballasts and is a significant product feature.

The EOL circuit in an AC ballast detects lamps that are near failure, or near their end-of-lamp-life. EOL circuits typically sense this condition by measuring the DC offset of the lamp voltage wave form that occurs as the lamp electrode decays. When the circuit determines that the lamp is nearing its end, the ballast will shut down rather than powering the lamp. This action is designed to prevent the lamp from overheating. Most EOL detection circuits also trip when a lamp is removed or missing.

When AC ballasts with EOL circuitry are paired with non-ELC fluorescent emergency ballasts, unnecessary AC ballast shutdown can occur. This happens because the EOL circuitry can mistakenly interpret a transition from emergency operation to normal operation as an end-of-lamp-life condition. The EOL circuit then instructs the AC ballast to shut down. Normal lighting is not restored until the AC ballast is reset.

The Philips Bodine ELC circuit was developed to eliminate this problem. Our patented ELC circuit delays AC ballast operation for approximately three seconds upon restoration of AC power. The delay prevents false tripping of AC ballast end-of-lamp-life shutdown circuits. Because AC ballast operation is delayed for a few seconds, the EOL circuit cannot "see" the transition. Therefore, it cannot misinterpret the transition.

BSL722 Emergency LED Driver

The Philips Bodine **BSL722** Emergency LED Driver works with the AC LED driver to convert new fixtures into code-compliant emergency lighting. The **BSL722** in emergency mode supports up to 23.1 W at rated current of 700 mA for a minimum of 90 minutes. The unit consists of a battery charger and circuitry in one compact case. Two battery packs are separate from the driver and are field replaceable.

Product Highlights

- Ideal for vertical security lighting and other outdoor high-brightness LED applications
- 23.1 W output power
- 90-minute code-compliant run time
- Universal input (120-277 V, 50/60 Hz)
- Dimensions: 9.4" x 2.2" x 1.05"
- Suitable for indoor and damp locations and for sealed & gasketed fixtures
- Three-year warranty (not pro-rata)
- UL Component Recognized for factory installation only
- CSA Certified

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ELI SD Emergency Lighting Mini Inverters

Philips Bodine **ELI-100-SD** and **ELI-250-SD** Self-Diagnostic Emergency Lighting Mini Inverters provide emergency power to fluorescent, incandescent and LED emergency lighting fixtures.

Product Highlights

- Provide a maximum 100 W for ELI-100-SD and 250 W for ELI-250-SD
- Support at least 90 minutes of emergency lighting, as required by code
- Automatically conduct 15-minute tests of emergency operation every 25-30 days
- Designed for surface mount installation up to 1000 feet from fixtures
- Power indoor and outdoor applications
- Allow fixtures to be on, off, switched or dimmed
- UL Listed

Unlike fluorescent emergency ballasts, ELI mini inverters supply power to the input side of the fixture. This design eliminates compatibility issues.

ELI SD units are ideal for schools, office buildings, theaters, hotels, shopping centers, restaurants, grocery stores, parking garages, stairways and many other locations. They provide emergency power to both indoor and outdoor lighting fixtures, but because the **ELI SDs** are installed indoors, the battery is protected from extreme conditions. This protection prolongs battery life, maximizes run time and reduces maintenance costs.