



bodine® Showcase

Lightfair 2008

→ A Division Of Philips Electronics North America Corporation

PHILIPS

Bodine Showcase

Philips, the world's lighting leader, celebrates a tradition of spearheading innovative, energy-efficient solutions and initiatives that meet end user needs, desires and aspirations while fully promoting environmental responsibility and sustainability.

Attending Lightfair 2008 in force with its broad range of North American lighting divisions – Philips Lighting Company, Advance, Bodine, Lumileds, Color Kinetics and The Genlyte Group – Philips represents more than just a lighting manufacturer. It represents an entirely new way to think about lighting, from production to control to applications. As the foremost innovator and provider of lighting systems and technologies, Philips is enabling new and more efficient uses of light that can transform our world both visually and practically, offering flexible solutions that fit the specific needs of every user while helping to conserve precious resources and sustain our fragile environment.

Philips delivers a complete array of responsible lighting solutions – from components, modules and lamps to luminaires and fully integrated systems – and provides the utmost in quality, simplicity and innovation to meet customer needs. Let Philips help you dramatically rethink the field of illumination and explore the vast and exciting possibilities of light.

Sustainability: Meeting the needs of today without compromising tomorrow



BSL23C Emergency LED Driver

The new gold standard in emergency LED drivers

Solid-state lighting is a rapidly growing segment of the lighting industry. It is poised to become a primary source for general lighting applications. As with other types of lighting, SSL must meet life safety code requirements for emergency illumination. Bodine's new **BSL23C** Emergency LED Driver allows your LED fixtures to meet or exceed code.

When normal power fails, the **BSL23C** immediately switches into emergency mode and supports the fixture at 3 W for a minimum of 90 minutes. When AC power is restored, the driver returns to the charging mode.

The **BSL23C** is a conduit model. A non-conduit model, the **BSL23**, is also available. Both models are ideal for down light applications.

BSL23C Specs

UL LISTED	Factory or Field Installation (Indoor or Damp)
Illumination Time	90 Minutes
Output Current	200mA (Constant)
Output Voltage	6.5 to 15.5 VDC
Output Power	3.1 W (Maximum)
AC Input Power Rating	2.0 W
Dual Input Voltage	120/277 VAC, 60Hz
Recharge Time	24 Hours
Temp. Rating (Ambient)	32°F to 122°F (0°C to +50°C)
Dimensions	9.4" x 2.4" x 1.5" (238 mm x 60 mm x 38 mm)
Mounting Center	8.9" (226 mm)
Battery	High-Temp, Maintenance-Free Ni-Cad
Full Warranty	5 Years

The Bodine Odyssey HB-DL7 AC/Emergency Driver won Best of Category, Ballasts and Transformers, at Lightfair 2004.

HB-DL7

Best of Category, Ballasts and Transformers, at Lightfair 2004

Bodine's award-winning **Odyssey HB-DL7 AC/Emergency Driver**; during normal operation, powers three 1 W constant current 350 mA white high-brightness LEDs in a series string or a 10Vdc string of color LEDs up to 3 W. When normal power fails, the driver automatically switches to emergency mode, supporting three 1 W LEDs at full rated current (350 mA) for a minimum of 90 minutes in accordance with emergency lighting code requirements. The battery charges during normal operation. Bodine's **HB-DL7** was designed for step light applications.

UL Listed, CSA Certified



GTD20A

Energy-saving option for generator-supported emergency fixtures

Bodine's **GTD20A** Relay Control Device, now UL 1008 compliant, works in conjunction with an auxiliary generator or central inverter system to power designated emergency lighting loads (fluorescent, incandescent, HID) up to 20 amps regardless of local switch position. The device, which can function in a bypass or transfer capacity, makes it possible to remove emergency lighting fixtures from night light circuits without jeopardizing emergency lighting operation. Removing fixtures from 24/7 night lighting circuitry lowers operating costs and reduces energy usage.

Continuous day and night lighting expends 8,760 energy hours annually per fixture (24 hours per day x 365 days per year). Without night lighting, that number drops to approximately 3,500 (assuming an average 9.5 operating hours per day), saving 5,260 energy hours per fixture over the course of a year! Note that several fixtures – up to 20 amps – can be connected to one **GTD20A**.

The **GTD20A** is designed for use in areas where multiple fixtures are controlled with a single switch. The device is not limited to emergency lighting applications, however. It provides multiple wiring and application options, including wiring schemes for line and low voltage dimming. The GTD20A is a universal input (120-277V, 50/60Hz) product.

In addition to being UL 1008 compliant, the GTD20A is UL Listed for both the U.S. and Canada, cULus.

Visit www.bodine.com for information on these products and more.



Flexibility: The ability to adapt to new, different and changing requirements

Bodine Arctic™ Models

ARCTIC 175PLS-120V	ARCTIC 400PLS-120V
ARCTIC 175PLS-208V	ARCTIC 400PLS-208V
ARCTIC 175PLS-240V	ARCTIC 400PLS-240V
ARCTIC 175PLS-277V	ARCTIC 400PLS-277V

Arctic™ ARC Keeper®

Most Innovative Product of the Year at Lightfair 2007

At ambient temperatures ranging from -40° F to +131° F (-40° C to +55° C), Bodine's **ARCTIC 175PLS** and **ARCTIC 400PLS** HID Backup Ballasts act to prevent lamp extinction and the subsequent need for restrike. Metal halides are extremely vulnerable to even minor line disturbances. A disturbance of four milliseconds can extinguish the lamp arc and create a restrike situation. Like our other ARC Keeper models (+32° F to +131° F / 0° C to +55° C), Arctic™ units sense these disturbances and, in response, catch and maintain the lamp arc for up to 2 minutes. Two minutes is generally enough time for a disturbance to pass or for a generator to begin providing power.

Also like our other ARC Keeper models, Arctic units allow HID fixtures to serve as emergency lighting and are suitable for damp location installations such as parking garages. The Arctic line's expanded temperature range provides increased application flexibility to the ARC Keeper family.

Arctic Options

The **Arctic 175** (ARCTIC 175PLS) maintains the arc of one 100 to 175 W pulse-start lamp, while the **Arctic 400** (ARCTIC 400PLS) is compatible with one 200 to 400 W pulse-start lamp. Eight models are available. The number associated with each – 120V, 208V, 240V or 277V – corresponds to the input line voltage.

UL Listed



The Arctic permits HID fixtures to act as emergency lighting units.

B4CF3 Cold-Pak®

Square = cool

Bodine's **B4CF3 Cold-Pak®** Extended-Temperature Fluorescent Emergency Ballast for compact lamps offers emergency lighting in cold temperatures and in small spaces. While all Bodine Cold-Paks are designed for tough environmental conditions, the **B4CF3** stands out. It's uniquely small. It's square. It fits into fixtures that will not accommodate other Cold-Pak units. The **B4CF3's** dimensions – 6.0" x 5.5" x 1.62" – allow even diminutive fixtures to act as emergency lighting units without the inconvenience of remote mounting.

The **B4CF3** operates in temperatures ranging from -4° F to +131° F (-20° C to +55° C) and is suitable for damp locations and sealed & gasketed fixtures. The emergency ballast powers one 13 - 42 W twin, quad or triple twin-tube, 22 - 40 W T5 circline or 18 - 39 W long compact for a minimum of 90 minutes in emergency mode and provides up to 1250 lumens initial light output.

UL Listed



REDiTEST® LP600STU

One product, multiple applications

Bodine's **REDiTEST® LP600STU** Fluorescent Emergency Ballast combines the best of self-testing, low-profile and universal-input technologies. The FEB's flexible, multiapplication design means that the emergency ballast can meet multiple specs. Specifiers don't have to choose between a self-testing FEB and a low-profile FEB. OEMs and distributors no longer need to keep 120V and 277V emergency ballasts on hand. One product, the **LP600STU**, fits the bill.

The **LP600STU** operates one standard or HO T5 or T8 at 600 to 1325 lumens for a minimum of 90 minutes and automatically conducts code-required 30-second and 90-minute testing. Manual tests may be conducted at any time. Dimensions: 22.5 x 1.18" x 1.18"

UL Listed

