



Backup Power

Interim Lighting for Standby Generator Systems
The Philips Bodine GEN Series

PHILIPS
bodine

Bodine Gen Series fluorescent backup ballasts allow occupants to continue working safely or to begin evacuating as safely as possible.

When 10 seconds seems like a lifetime...

Many national, state and local codes, including the National Electrical Code®, the Life Safety Code® and the Occupational Safety and Health Act, require reliable and sufficient emergency illumination for commercial, industrial and institutional buildings in the United States. In case of loss of normal power or an emergency requiring building evacuation, emergency lighting guides occupants to the nearest path of egress, deters injury along the way and aids in a smooth, successful exit.

When AC power fails, the GEN Series backup ballast immediately switches to the backup mode, operating lamps at high lumen output for a minimum of four minutes.

Uninterrupted, High Illumination

Buildings such as hospitals, educational facilities, industrial plants and detention/correctional centers often require constant illumination even during power failures in order to keep people and property safe. Auxiliary generators typically take up to 10 seconds to provide power to emergency lighting fixtures when normal power fails. Philips Bodine GEN Series fluorescent backup ballasts allow occupants to continue working safely or to begin evacuating as safely as possible by providing uninterrupted, high illumination in the gap between the time the AC power is lost and the emergency generator power takes over.



Each GEN Series fluorescent backup ballast works in conjunction with an AC ballast that is supplemented with an auxiliary emergency generator. Depending on the model, the backup ballast operates one, two or three lamps at high illumination in the gap between AC power loss and generator engagement.

The GEN Series backup ballasts ensure uninterrupted illumination by providing interim lighting in facilities utilizing generator backup systems as part of their emergency lighting plan.



Recommended uses include healthcare and research facilities, industrial plants, institutional and correction facilities, offices and public buildings.



Bodine Gen Series fluorescent backup ballasts allow occupants to continue working safely or to begin evacuating as safely as possible.

Operation

When AC power fails, the **GEN Series** backup ballast immediately switches to the backup mode, operating lamps at high lumen output for a minimum of four minutes. When AC power is restored via the supplier or the auxiliary generator, the backup ballast automatically returns to the charging mode.

Highlights

- Ensures uninterrupted illumination by providing interim lighting in facilities utilizing generator backup systems as part of their emergency lighting plan
- Indicates backup operation in progress via audible alarm (**GEN3** only)
- Provides at least four minutes of backup lighting
- UL Listed: Auxiliary Lighting Equipment

Application

Each GEN Series fluorescent backup ballast works in conjunction with an AC ballast that is supplemented with an auxiliary emergency generator. Depending on the model, the backup ballast operates one, two or three lamps at high illumination in the gap between AC power loss and generator control. This gap time is typically less than 10 seconds; however, should the generator fail to power emergency lighting, the backup ballast provides redundancy by ensuring uninterrupted illumination for at least four minutes. The backup ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact red case. GEN Series backup ballasts are compatible with most one-, two-, three- and four-lamp electronic, standard, energy-saving and dimming AC ballasts and are suitable for use in indoor locations.

PHILIPS BODINE GEN SERIES BACKUP BALLASTS

Model	Lumen Output	Lamps Operated	Illumination Time
GEN1	1050-3200	One 17-32 W T8; one 20 - 40 W T10 or T12; or one 18-55 W (4-pin) compact	Up to 5 minutes
GEN3*	4700-7900	Two or three 32 W (4') T8s or two 40-55 W (4-pin) long compacts	Up to 4 minutes

* GEN3 is designed for use with instant start parallel AC ballasts only.



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