

Philips Bodine Fluorescent Emergency Ballasts

Technological advancements and specific customer needs drive Philips Emergency Lighting to continuously develop a complete line of tubular and compact fluorescent emergency ballasts for a variety of applications. The purpose of this article is to inform you about the available Philips Bodine fluorescent emergency ballast models.

INDOOR DRY LOCATIONS - The Philips Bodine standard line of fluorescent emergency ballasts are UL Listed for installation inside the ballast channel*, on top of or remote from indoor dry location fixtures. These products are not for use in air handling heated air outlets or wet, damp or hazardous location fixtures.

HAZARDOUS (CLASSIFIED) LOCATIONS - For locations where fire or explosion hazards may exist, Philips Emergency Lighting offers hazardous location models that contain hermetically sealed relays to eliminate "arcs and sparks" of ignition sources. To ensure that these Component Recognized emergency ballasts and their host fixtures are suitable for hazardous locations, UL examines the entire emergency lighting fixture and determines acceptability on a case-by-case basis.

DAMP LOCATIONS - Partially protected exterior locations and interior locations subject to moderate degrees of moisture require damp location emergency lighting. Specifically designed and constructed for damp environments, the Philips Bodine damp location

models are rated "suitable for damp locations where the ambient temperature for the emergency ballast is 0°C minimum, +50°C maximum."

WET LOCATIONS - "Sealed" luminaires are typically used to achieve suitability for wet location rating (or for clean room applications). To avoid the possible explosion of hydrogen, batteries should not be put in totally sealed equipment. The National Electrical Code® states that: "Provisions shall be made for sufficient diffusion and ventilation of the gases from the battery to prevent the accumulation of an explosive mixture." It may be possible through the use of a breather, one-way valve or other means to ensure that the hydrogen concentration in abnormal battery or charger conditions never reaches a hazardous level. This question must be answered on a case-by-case basis since it is a function of luminaire design and construction.

Please visit our website, www.philips.com/bodine, or contact the factory to find products that fall into the categories discussed and that are most suitable to your application needs.

* Note: Due to ballast size and fixture design constraints, B30 and some compact fluorescent lamp models may only be installed on top of or remote from the fixture.

For more information on the codes applicable to these situations, see National Electrical Code®, Article 410.