

#### One-lamp emergency operation for 2-pin compact fluorescent lamps with integral starters

#### Product Summary

##### UL COMPONENT RECOGNIZED

Factory Installation Only  
(Indoor, Damp and Sealed &  
Gasketed Fixtures)



##### Illumination Time

90 Minutes

##### Initial Light Output

200 - 625 Lumens

##### Full Warranty

2 Years (NOT pro-rata)

##### Dual Input Voltage

120/277 VAC, 60 Hz

##### AC Input Current

270 mA

##### AC Input Power Rating

3.5 Watts

##### Test Switch

Single Pole

Option: Illuminated Test Switch (ITS)

##### Battery

High-Temperature,  
Maintenance-Free  
Nickel-Cadmium Battery  
7- to 10-Year Life Expectancy

##### Battery Charging Current

270 mA

##### Recharge Time

24 Hours

##### Charging Indicator Light

LED

##### Temperature Rating (Ambient)

0°C to +50°C  
(32°F to 122°F)

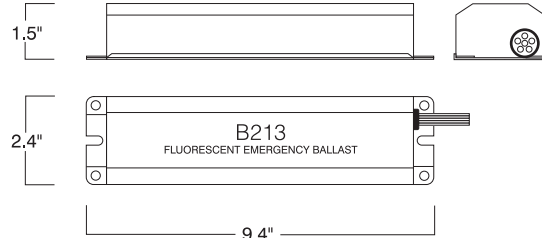
##### Dimensions

9.4" x 2.4" x 1.5"  
(238 mm x 60 mm x 38 mm)  
Mounting Center 8.9" (226 mm)

##### Weight

2.8 lbs. (1.3 kg)

*Emergency ballasts can be modified to accommodate  
special voltages, frequencies and longer run times.*



#### APPLICATION

The B213 fluorescent emergency ballast works in conjunction with an AC ballast to convert compact fluorescent fixtures into emergency lighting. The emergency ballast consists of a high-temperature nickel-cadmium battery, charger and electronic circuitry in one compact red case. The B213 can be used with one 5 - 13 W compact fluorescent lamp with an integral starter, including (2-pin) twin or quad-tube compacts (see Table 1). If used in an emergency-only fixture, no AC ballast is necessary. The B213 is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory.

#### OPERATION

When AC power fails, the B213 immediately switches to the emergency mode, operating one lamp at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the B213 automatically returns to the charging mode.

#### INSTALLATION

The B213 does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. Installation is not recommended with fixtures where the ambient temperature may fall below 0°C.

#### UL and CODE COMPLIANCE

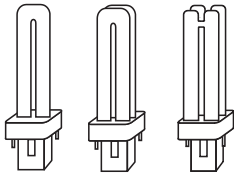
The B213 has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Component Recognized for factory installation only. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

#### Specifiers Reference

Project \_\_\_\_\_ Type \_\_\_\_\_ Model No. \_\_\_\_\_  
Comments \_\_\_\_\_

L3000006

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# B213

## Compact Fluorescent Emergency Ballast

### One-lamp emergency operation for 2-pin compact fluorescent lamps with integral starters

#### EMERGENCY ILLUMINATION

Depending on the wattage and type of lamp selected, the B213 produces 200 to 625 lumens initial emergency light output (see Table 2). During emergency illumination, one lamp is illuminated, even if installed with a multi-lamp AC ballast.

#### SPECIFICATION

Emergency lighting shall be provided by using a twin or quad-tube compact fluorescent fixture equipped with a B213 fluorescent emergency ballast. The B213 shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 3/8" x 1 1/2" red metal case. A solid-state charging indicator light to monitor the charger and battery, a single-pole test switch and installation hardware shall be provided. The emergency ballast shall be capable of operating one \_\_\_\_\_ (wattage) [twin or quad] \_\_\_\_\_ base (see Table 1) compact fluorescent lamp at \_\_\_\_\_ lumens (see Table 2) initial light output in the emergency mode for a minimum of 90 minutes. It shall be suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The emergency ballast shall have 3.5 Watts of input power and a 14.4 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. The B213 shall be UL Component Recognized for factory installation only and warranted for a full two years from date of purchase.

#### WARRANTY

Model B213 is warranted for two (2) full years from date of purchase. This warranty covers only properly installed Bodine emergency ballasts used under normal conditions. For the warranty period, Bodine will, at its option, repair or replace without charge a defective emergency ballast, provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the emergency ballast.

Table 1 - Lamp Compatibility

LAMP (One 2-pin Lamp)	BASE	WATTAGE
Twin Tube	G23	5, 7, 9
	GX23	13
Quad Tube	G23	9
	G24d	10
	GX23	13

Table 2 - Initial Lumen Output

LAMP (One 2-pin Lamp)	WATTAGE	LUMEN OUTPUT*
Twin Tube	13	625
	9	475
	7	300
	5	200
Quad Tube	13	525
	10	475
	9	425

\*Initial Lumen Output

ITS Option: For a lighted single-pole push-button test switch order the B213 with ITS.

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