

B213H

COMPACT EMERGENCY LIGHTING EQUIPMENT

PHILIPS
bodine

One-lamp emergency illumination
for hazardous location fixtures

A Division Of Philips Electronics North America Corporation

Product Summary

UL COMPONENT RECOGNIZED

Factory Installation Only
(Indoor and Damp)



Illumination Time

90 Minutes

Initial Light Output

200 - 625 Lumens

Full Warranty

1 Year (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

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)

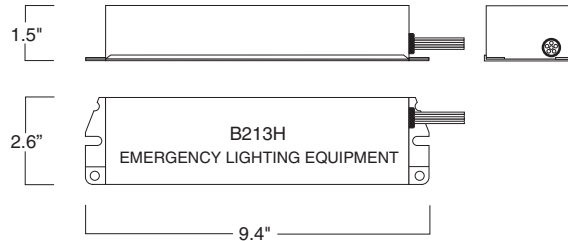
Dimensions

9.4" x 2.6" x 1.5"
(238 mm x 66 mm x 38 mm)
Mounting Center 8.9" (226 mm)

Weight

2.9 lbs. (1.3 kg)

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



APPLICATION

The B213H 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 B213H can be used with one 5 - 13 W compact fluorescent lamp with an integral starter, including (2-pin) twin and quad-tube compacts (see Table 1). If used in an emergency-only fixture, no AC ballast is necessary. The B213H is **UL Component Recognized for factory installation only** and is suitable for use in Class I, Division II type fixtures. It is suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. These fixtures should be tested by the fixture manufacturer in accordance to the standards pertaining to Class I, Division II applications. This unit is not suitable for air handling heated air outlets. For information about specific lamp and ballast compatibility, please call the factory. Recommended applications include: hazardous locations.

OPERATION

When AC power fails, the B213H 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 B213H automatically returns to the charging mode.

INSTALLATION

The B213H 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 lead 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. *Please note: Test switch supplied is not rated for hazardous locations.*

UL and CODE COMPLIANCE

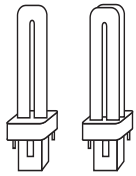
The B213H has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Component Recognized for factory installation only. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC) and UL 90-minute requirements.

Specifiers Reference

Project _____ Type _____ Model No. _____
Comments _____

L3000005

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B213H

COMPACT EMERGENCY LIGHTING EQUIPMENT

One-lamp emergency illumination for hazardous location fixtures

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

EMERGENCY ILLUMINATION

Depending on the wattage and type of lamp selected, B213H produces 200 to 625 lumens initial emergency light output. During emergency operation, one lamp is illuminated, even if installed with a multi-lamp AC ballast. Emergency lumen output will be less with a compact fluorescent lamp.

SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Philips Bodine B213H emergency ballast. This emergency ballast shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 9 3/8" x 2 5/8" 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. The B213H shall be suitable for use in Class I, Division II type fixtures. It shall be suitable for indoor and damp locations and for sealed & gasketed fixtures, including fixtures rated for wet locations. The B213H 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 emergency ballast shall be UL Component Recognized for factory installation with a hazardous location fixture and shall be warranted for a full year from date of purchase.

WARRANTY

Model B213H is warranted for one (1) full year from date of purchase. This warranty covers only properly installed Philips Bodine emergency ballasts used under normal conditions. For the warranty period, Philips Emergency Lighting 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.

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For the most current technical information and notices, please visit TechNotes on our website.