

BLCD-20B

Emergency Lighting Control Unit

PHILIPS
bodine

A Division Of Philips Electronics North America Corporation

**For Generator or
Central Inverter Supplied Generator
120 or 277 VAC, 50/60 Hz
Auto Select**

Product Summary

UL and cUL LISTED

Field Installation
(Indoor and Damp)

Full Warranty

3 Years (NOT pro-rata)

Input Voltage

120/277 VAC, 50/60 Hz

Output Voltage

120/277 VAC, (Auto Select) 50/60 Hz

Lighting Load Rating

Maximum Load:

Ballast - 20A @ 120/277VAC

LED Driver - 20A @ 120/277VAC

Incandescent - 10A @ 120VAC

Temperature Rating (Ambient)

0°C to +50°C

(+32°F to +122°F)

Relative Humidity Range

5 to 95%, noncondensing

Housing

Fire rated UL94 V-0, 176°F (80°C)

Plenum Rating

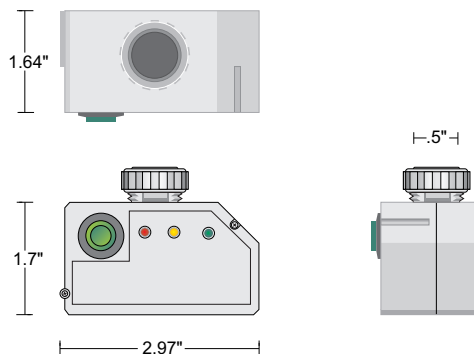
UL 2043 Plenum Rated

Dimensions

1.7"x 2.97"x 1.64" with a 1/2" threaded nipple
(43 mm x 76 mm x 42 mm)

Weight

6.4 oz. (0.18 kg)



APPLICATION

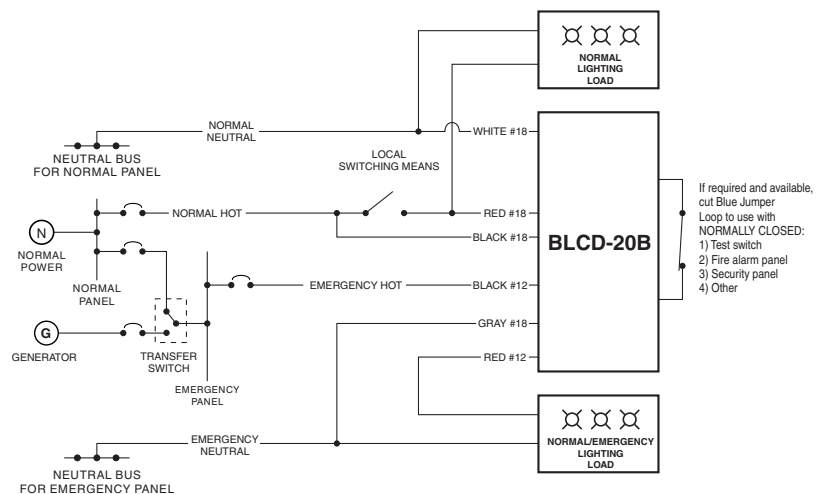
The BLCD-20B works in conjunction with an auxiliary generator or central inverter system. The unit is designed to control lighting in areas where emergency lighting fixtures are connected on dedicated emergency lighting circuits that are typically on 24 hours per day. The BLCD-20B allows normal control of emergency lighting for energy savings and/or task related reasons while strictly adhering to National Electric Code (NEC) requirements. It is suitable for any application where enhanced energy saving of emergency lighting is desired.

OPERATION

The BLCD-20B senses the loss of normal power and switches the lighting load, connecting it to a user-designated emergency circuit. No routine maintenance is required to keep the BLCD-20B functional; however, like other life safety unit equipment, it should be checked periodically to ensure that it is working properly.

INSTALLATION

The BLCD-20B does not affect normal fixture operation and comes fully assembled for immediate installation. In addition to available wiring, the device requires a direct, unswitched connection to a normal power circuit and, depending on the application, an unswitched connection to a generator-supplied or central inverter system-supplied emergency panel. See diagram A for typical installation.



Specifiers Reference

Project _____ Type _____ Model No. _____

Comments _____

L4100045

11/04/11 © Philips Emergency Lighting
P.O. Box 460 Collierville, TN USA 38027-0460
Sales 800-223-5728 FAX 901-853-5009
Tech. Support 888-263-4638
www.philips.com/bodine

BLCD-20B

Emergency Lighting Control Unit

UL and CODE COMPLIANCE

The BLCD-20B has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924 as "Emergency Lighting Equipment" and UL 2043 as plenum rated. The BLCD-20B is UL and cUL listed for field installation.

SPECIFICATION

Emergency egress lighting shall be provided by using existing lighting loads equipped with a Philips Bodine BLCD-20B emergency lighting relay control unit. The unit shall be capable of controlling dedicated emergency lighting fixtures and energizing them when normal utility power has been lost. The unit shall consist of relay switching circuitry, a test switch, a normal power indicator light and an alternate power indicator light contained in one 1.7"x 2.97"x 1.64" enclosure; shall sense normal power at 120 or 277 VAC, 50/60 Hz; shall be rated for 120 or 277 VAC, 50/60 Hz at up to 20 amps of lighting load. The unit shall be UL Listed for field installation and shall be warranted for a full three years from date of purchase.

WARRANTY

The BLCD-20B is warranted for three (3) full years from date of purchase. This warranty covers only properly installed emergency lighting relay control units used under normal conditions. For the warranty period, Philips Emergency Lighting will, at its option, repair or replace without charge a defective device, 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 unit.

L4100045

11/04/11 © Philips Emergency Lighting
P.O. Box 460 Collierville, TN USA 38027-0460
Sales 800-223-5728 FAX 901-853-5009
Tech. Support 888-263-4638
www.philips.com/bodine

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