

# BSL310HAZ-CAN

PHILIPS  
bodine

## Installation Instructions

EMERGENCY LED DRIVER

UNIVERSAL INPUT



CLASS 2 OUTPUT

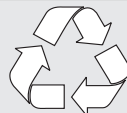
### **! IMPORTANT SAFEGUARDS !**

WHEN USING ELECTRICAL EQUIPMENT, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED, INCLUDING THE FOLLOWING:

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. To prevent high voltage from being present on yellow & yellow/black output leads prior to installation, converter connector must be open. Do not join converter connector until installation is complete and AC power is supplied to the emergency driver.
2. This product is for use with an emergency LED lighting load and supplies up to 10.0 W of power (measured at nominal battery voltage) with a maximum rated current of 450 mA with a maximum voltage of 36 VDC in emergency mode for a minimum of 90 minutes.
3. Make sure all connections are in accordance with the Canadian Electrical Code and any local regulations.
4. To reduce the risk of electric shock, disconnect both normal and emergency power supplies and converter connector of the emergency driver before servicing.
5. **This emergency driver is for factory installation only.**
6. This product is suitable for use in damp locations where the ambient temperature is 0°C minimum, +55°C maximum. Product is also suitable for installation in sealed and gasketed fixtures. Product is not suitable for heated air outlets.
7. An unswitched AC power source is required (120-277 VAC, 50/60 Hz).
8. Do not install near gas or electric heaters.
9. Do not attempt to service the battery. A sealed, no-maintenance battery is used that is not field replaceable. Contact the manufacturer for information on service.
10. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
11. Do not use this product for other than intended use.
12. Servicing should be performed by qualified service personnel.
13. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.

## SAVE THESE INSTRUCTIONS



Ni - Cd

**THIS PRODUCT CONTAINS A RECHARGEABLE NICKEL-CADMIUM BATTERY.  
THE BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.**

10/28/14

© Philips Emergency Lighting



**WARNING: TO PREVENT HIGH VOLTAGE FROM BEING PRESENT ON YELLOW & YELLOW/BLACK OUTPUT LEADS PRIOR TO INSTALLATION, CONVERTER CONNECTOR MUST BE OPEN. DO NOT JOIN CONVERTER CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED TO THE EMERGENCY DRIVER.**

NOTE: Make sure the necessary branch circuit wiring is available. An unswitched source of power is required. The emergency driver must be fed from the same branch circuit as the AC driver.

**IMPORTANT TEXT: REFER TO TABLE 1 REGARDING LOAD SELECT**  
**Table 1 LOAD SELECT OPTIONS**

MAXIMUM LOAD VOLTAGE	LOAD SELECT
10V - 29V	CONNECTED
30V - 36V	NOT CONNECTED

**TABLE 2 UL CLASSIFIED LOADS**

Manufacturer	Series Reference	Manufacturer's Part Number
Philips	Fortimo LED Line	1ft 1100lm XXX 3R HV1

NOTE: "Where XXX denote color temperature"

**Table 3 REMOTE DISTANCES**

Wire Gauge (AWG)	Maximum Remote Mounting Distance* (ft)	Maximum Wire Length** (ft)
10	500	1000
12	300	600
14	200	400
16	125	250
18	75	150
20	50	100
22	30	60
24	20	40
26	13	26

\* Total wire length can NOT exceed that given in Maximum Wire Length column.

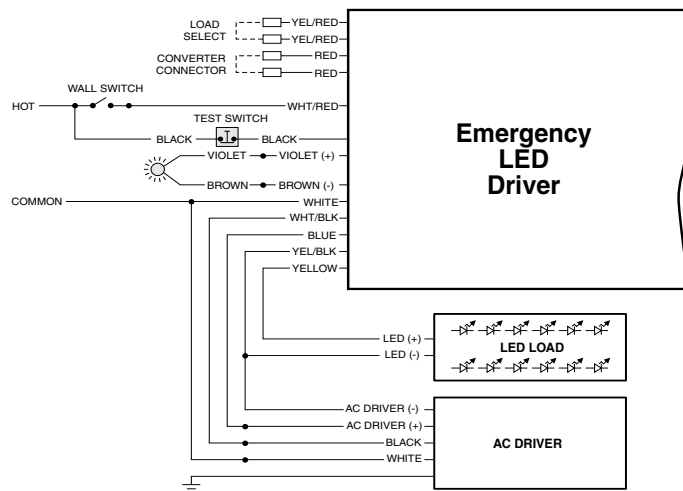
\*\* Distance is round trip wire length. Distances are for Emergency Driver only. Consult AC Driver specification for remote mounting distances when using AC Driver.

**EMERGENCY DRIVER AND AC DRIVER MUST BE FED FROM THE SAME BRANCH CIRCUIT**

TYPICAL SCHEMATICS ONLY. MAY BE USED WITH OTHER DRIVERS. CONSULT THE FACTORY FOR OTHER WIRING DIAGRAMS.

**WIRING DIAGRAMS**

**FIG A TWO (2) WIRE INTEGRATED TEST SWITCH**



**NOTE:** For short-term testing of the emergency function, the battery must be charged for at least one hour. The emergency driver must be charged for at least 24 hours before conducting a long-term test.