

# BSL36LP

## Installation Instructions

EMERGENCY LED DRIVER

UNIVERSAL INPUT

PHILIPS  
bodine



### **! 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 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 a minimum of 6.0 W initial power, a maximum rated current of 0.45 A, and a maximum voltage of 52 VDC in emergency mode for a minimum of 90 minutes, in compliance with NFPA-101 and NEC 700.12.
3. Make sure all connections are in accordance with the National Electrical Code or 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 and wet or hazardous locations.
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



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

10/15/14

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**WARNING: TO PREVENT 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.

Lamp (YELLOW & YEL/BLK) Wiring Specification		
Wire Gauge (AWG)	Maximum Remote Mounting Distance* (ft)	Maximum Wire Length** (ft)
12	52	104
14	33	66
16	20	40
18	12	24
20	8	16
22	5	10

\* Total wire length can NOT exceed the values given in the Maximum Wire Length column.  
 \*\* Distance values are round trip wire length. Distances are for Emergency Driver only. Consult A Driver specification for remote mounting distances when using AC Driver.  
**NOTE:** Remote mounting is only possible when provisions for remote mounting are supplied by the luminaire manufacturer.

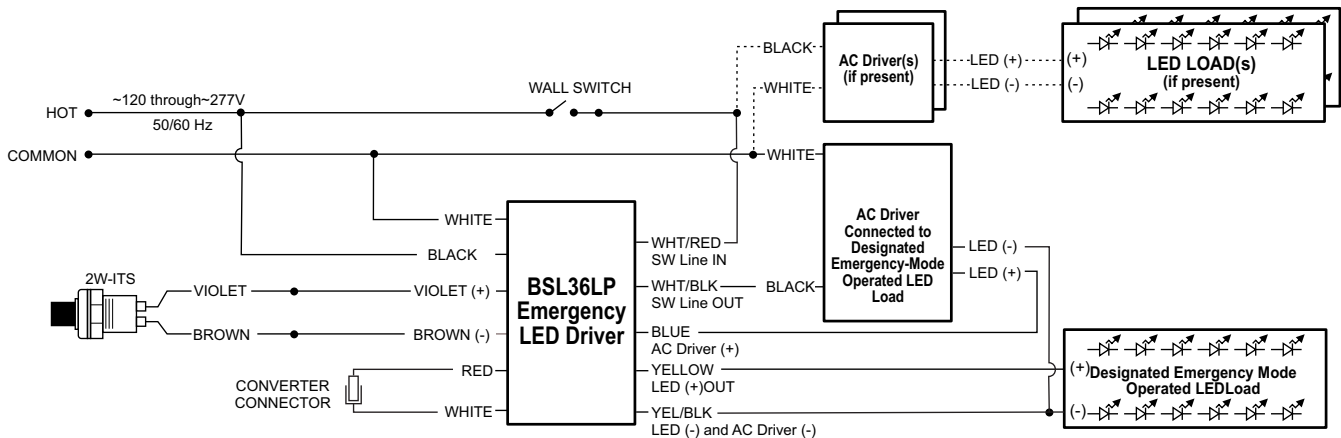
**2-Wire Illuminated Test Switch (2W-ITS)  
Wiring Specification**

The 2W-ITS may be remotely mounted up to 100 ft from the BSL36LP Emergency Driver with wire of 18, 20, 22, or 24 AWG.

**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**



- NOTE 1:** 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.
- NOTE 2:** The YELLOW, YEL/BLK, VIOLET, BROWN, RED, and WHITE (CONVERTER CONNECTOR) wires are all Class 2.