bodine

Emergency Driver

LED

BSL722 Cold-Pak

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Emergency LED Driver
Extreme Cold Environments
23.1 Watts output power

Product order number: BSL722ColdM (metal case)

Specifications

UL Recognized for US and Canada
Factory Installation only
(Indoor and Damp locations, including sealed and gasketed fixtures)

Illumination Time
90 Minutes

Full Warranty
3 Years (NOT pro-rata)

Universal Input Voltage
120 through 277 VAC, 50/60 Hz

AC Input Current
260 mA

AC Input Power Rating
37 W

Output Voltage
28.0 to 33.0 VDC

Output Current
700 mA Nominal

Output Power
23.1 W (Maximum)

Test Switch
Low Voltage, IP67 rated ITS

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

Battery Charging Current
160 mA

Recharge Time
24 Hours

Charging Indicator Light
LED (Optionally Provided)

Temperature Rating (Ambient)
-20°C to +60°C (-4°F to 140°F)

Dimensions
9.4" x 2.2" x 1.05"
(238 mm x 55.9 mm x 26.7 mm)
Mounting Center 8.9" (226 mm)

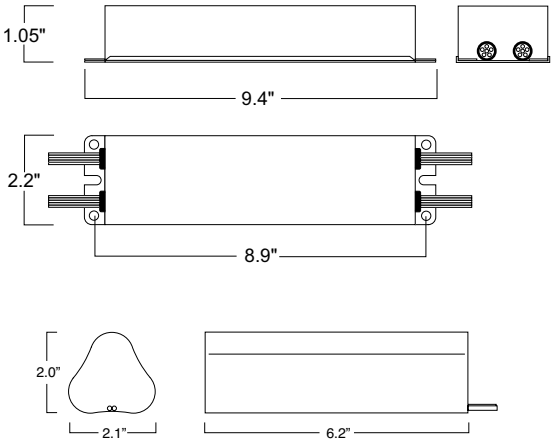
Weight
4.75 lbs. (2.12 kg)

Benefits:

- Operates in extreme cold environments
- For use in damp locations as well as sealed and gasketed fixtures
- Universal input (120 through 277 VAC, 50/60 Hz)

Dimensions

9.4" x 2.2" x 1.05" (mounting center - 11.5")



Battery Configuration

Low Voltage, IP67 rated ITS

BSL722 Cold-Pak, emergency LED driver

Application

The BSL722 Cold-Pak emergency LED driver works in conjunction with an AC LED driver to convert new or existing LED fixtures into emergency lighting. The emergency driver unit consists of a battery charger and electronic circuitry in one compact case. The batteries are separate from the driver. The BSL722 Cold-Pak can be used with an LED lighting load of up to 23.1 Watts at rated current of 700 mA for 90 minutes. If used in an emergency-only fixture, no AC driver is necessary. The BSL722 Cold-Pak is suitable for damp locations as well as sealed and gasketed fixtures. The BSL722 Cold-Pak is not suitable for air handling heated air outlets or wet or hazardous locations. For more information about specific LED and AC driver compatibility, please call the factory.

Operation

When AC power fails, the BSL722 Cold-Pak immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. When AC power is restored, the emergency driver automatically returns to the charging mode.

Installation

The BSL722 Cold-Pak 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 driver. The emergency driver must be fed from the same branch circuit as the AC driver. Installation is not recommended with fixtures where the ambient temperature may fall below -20° C.

Emergency Illumination

The BSL722 Cold-Pak operates an LED load of up to 23.1 W at rated current (700 mA Nominal) for a minimum of 90 minutes.

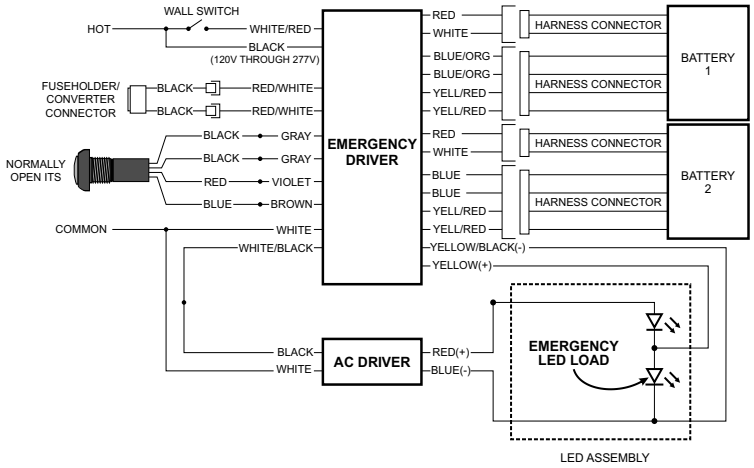
Specification

Emergency lighting shall be provided by using a standard LED fixture equipped with a Bodine BSL722 Cold-Pak emergency driver. This emergency driver shall consist of two high-temperature, maintenance-free nickel-cadmium batteries with a separate battery charger and electronic circuitry contained in one 9.4" x 2.2" x 1.05" metal case. Battery and installation hardware shall be provided and a low voltage, normally open, IP67 rated ITS. The emergency driver shall be capable of operating an LED load of up to 23.1 Watts at rated current (700 mA) for a minimum of 90 minutes. It is suitable for damp locations as well as sealed and gasketed fixtures. The BSL722 Cold-Pak shall have 37 Watts of input power and a 54.0 Watt-hour battery capacity and shall comply with emergency standards set forth by the current NEC. The emergency drivers shall be UL Component Recognized for the US and Canada for factory installation only.

Warranty

Model BSL722 Cold-Pak is warranted for three (3) full years from date of purchase. please see detailed warranty information on our web site.

Typical Wiring Diagram



Signify North America Corporation
Bodine
236 Mt. Pleasant Road
Collierville, TN 38017 USA
Telephone: 901-853-7211

Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone 800-668-9008