

Figure 1

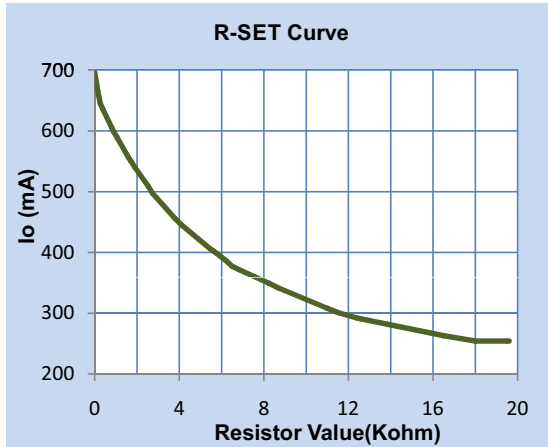


Figure 2

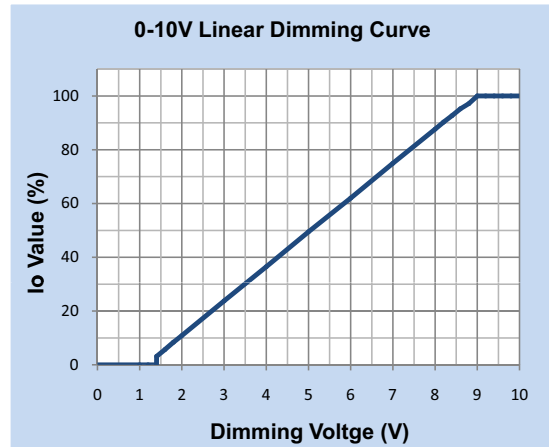


Figure 3

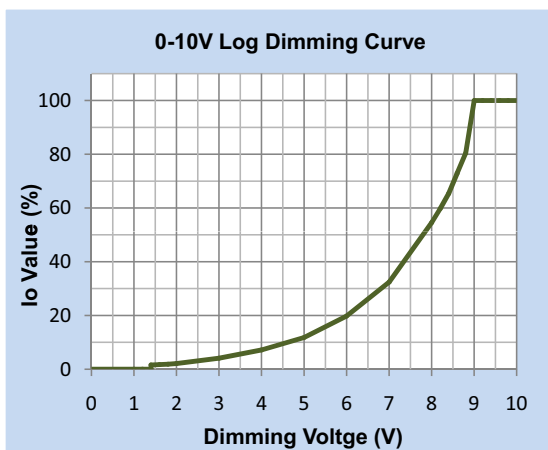


Figure 4

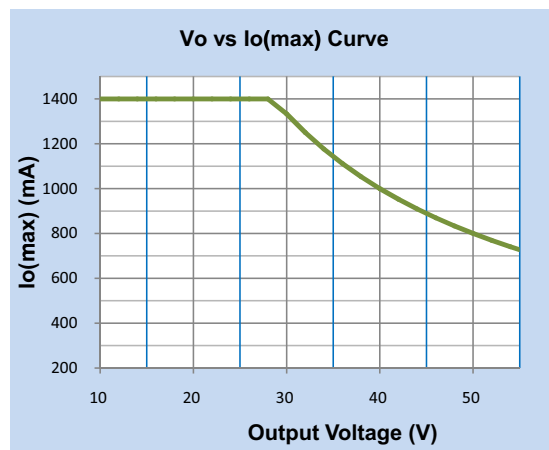


Figure 5

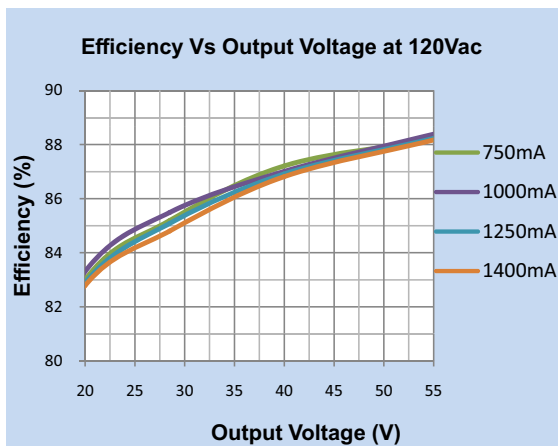
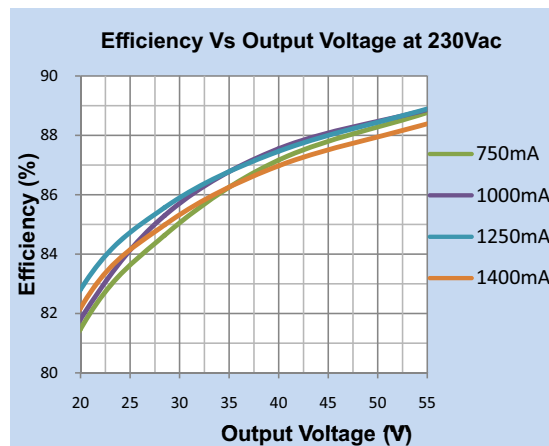


Figure 6



Fulham extends a limited warranty to the original purchaser or first user for a period of 5 years@Tc 63°C from the date of manufacture when properly installed and operated under normal conditions of use. The usage of appropriate series connected Surge Protection Device (SPD) is required in high risk applications. For complete terms and conditions, please refer to the Warranty Center at www.fulham.com. Specifications subject to change without notice.

Figure 7

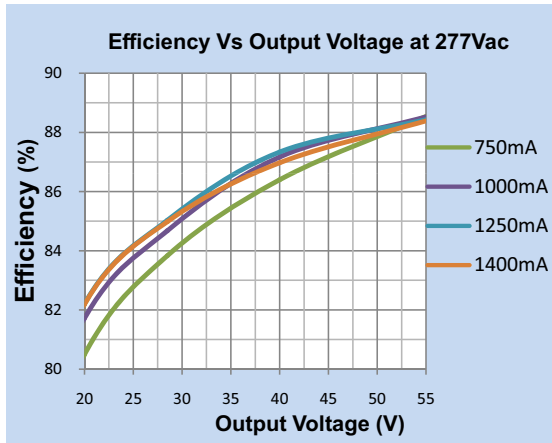


Figure 8

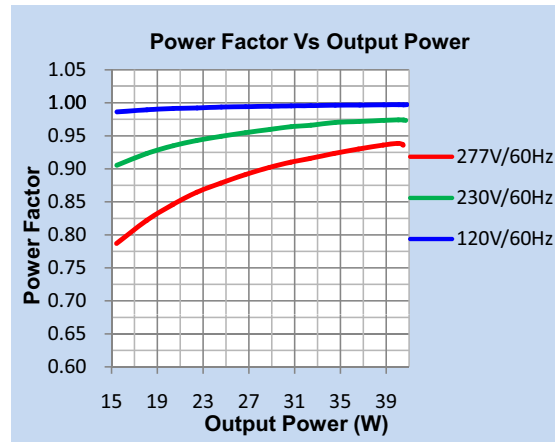


Figure 9

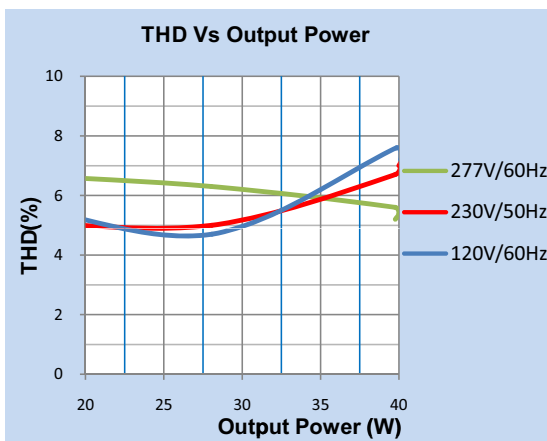


Figure 10

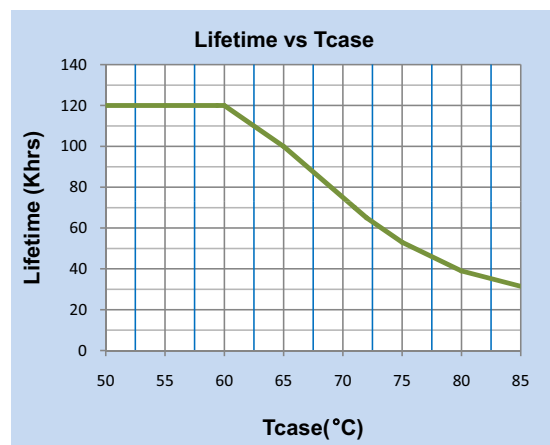


Figure 11

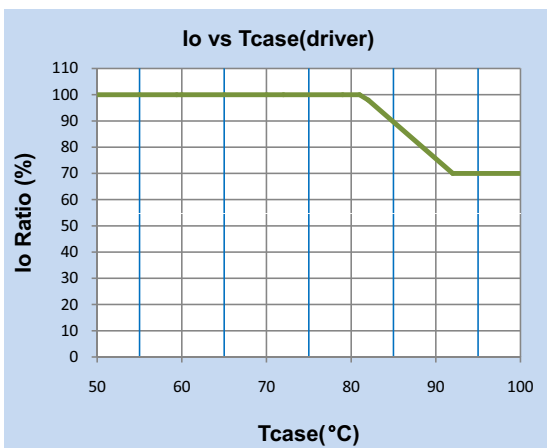
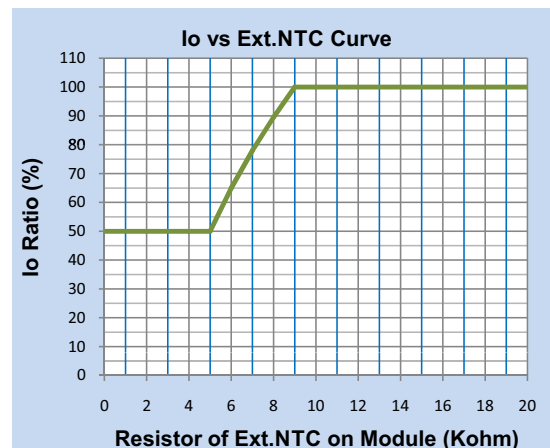
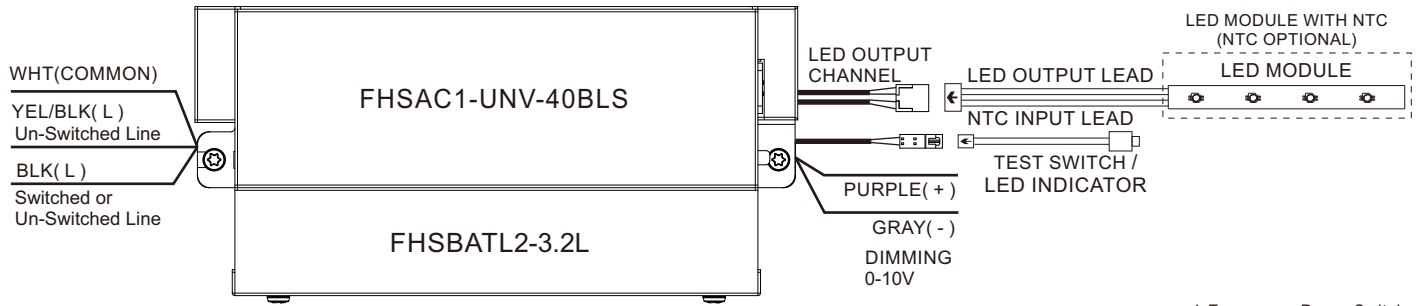


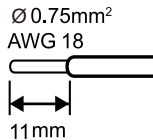
Figure 12



WIRING DIAGRAMS

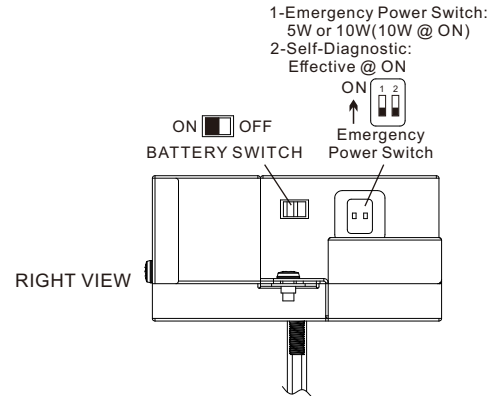


Case	Dimensions
Length	6.32"[160.5mm]
Width	3.05"[77.6mm]
Height	1.54"[39mm]



INPUT SIDE	LENGTH
BLACK	8.86"[225mm]
WHITE	8.86"[225mm]
YEL/BLK	12.80"[325mm]

OUTPUT SIDE	LENGTH
LED OUTPUT	4.53"[115mm]
TEST LEAD	4.53"[115mm]
PURPLE	8.86"[225mm]
GRAY	8.86"[225mm]



NOTE: 1. The driver must be grounded.
2. Once assembly, installation or servicing is complete, set the BATTERY SWITCH to the ON position.

SELF DIAGNOSTIC INSTRUCTIONS / OPERATION:

If Dip Switch 2 (Self-Diagnostic Switch) is set to the OFF position:

The self diagnostic feature is disable. A functionality test shall be manually conducted every thirty(30) days to ensure the emergency LED light source illuminates as intended. A full discharge test shall be conducted once a year; the LED light source shall illuminate for a minimum of ninety (90) minutes for the 10W load (Dip Switch 1 is set to the ON position) or one hundred eighty (180) minutes for 5W load (Dip Switch 1 is set to the OFF position).

If Dip Switch 2 (Self-Diagnostic Switch) is set to the ON position:

The self diagnostic feature is enable .The emergency LED driver will conduct a self check for thirty (30) seconds every thirty (30) days; and ninety (90) minutes or one hundred eighty (180) minutes self check every 12 months. After every self check the LED indicator light will indicate a status signal. A single self-diagnostic test can be activated by pressing the test switch three (3) times. Refer to Indicators Status Table for details.

When user toggle the Dip Switch, the LED indicator on Switch button would flash 3 times, 2.5S ON/0.5S OFF for Enabled, while 0.5S ON/2.5S OFF for Disabled.

TEST SWITCH INDICATOR STATUS:

LED Indicators Status	EM Driver Status/Mode
┆ Solid Green	System OK/AC OK(Self-diagnostic Enabled or Disabled).
┆ Slow Flashing Red, 4s on/1s off	Battery not detected, check battery switch or connection.
┆ Flashing Red, 1s on/1s off	Battery Failure, replace battery.
┆ Flashing Green, 1s on/1s off	Self-Diagnostic test underway.
┆ Fast Flashing Red, 0.1s on/0.1s off	Abnormal driver performance, replace driver.
┆ Very Slow Flashing Red, 4s on/4s off	Over temperature.
┆ None. Both LEDs OFF	Normal working in EM mode.
┆ Green/Red alternative flashing, 1s green/1s red.	No load or output over voltage protection triggered.

TEST SWITCH OPERATIONS:

1. EM Test: Press and hold test button (>1s)to enter EM mode for testing in normal AC powered .
2. Manual Self-Diagnostic(When Self-Diagnostic Enabled - Dip Switch 1 set to the ON position): After charging twelve (12) hours or battery fully charged, quickly press the test button three(3) times within three(3) seconds to force the controller to enter a Self-Diagnostic cycle. To quit the self-diagnostic cycle after engaged press and hold the test button for ten(10) seconds.

Programming:

This driver can be programmed using Fulham SmartSet TPSB-100(E). Programming features include the following:

- * Output Current :250-1400mA
- * Dimming Curve
- * LED NTC Thermal Protection



Important Safety Instructions

When using electrical equipment and this lighting device basic safety precaution should be followed at all times including but not limited to the following:

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

- **IMPORTANT:** An un-switched AC power source of 120VAC to 277VAC is required for the yellow/black and white leads.
- **IMPORTANT:** A switched or un-switched AC power source of 120VAC to 277VAC is acceptable for the black lead only.
- This device is designed for use in fixtures listed for **dry and damp locations**.
- **CAUTION:** Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
- **CAUTION:** Do not let power supply cords touch hot surfaces.
- **CAUTION:** Do not mount near gas or electric heaters.
- **CAUTION:** Do not use this emergency driver with accessory equipment other than recommended by manufacturer; failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel.
- **CAUTION:** Do not use this emergency driver for other than intended use.
- **CAUTION:** Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly.
- **CAUTION:** Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

ASSEMBLY and FIELD INSTALLATION WIRING: WARNING: AC power must be off before proceeding with assembly, installation or servicing of emergency driver. Additionally ensure that the battery is disconnected (Battery Switch set to OFF).

TESTING SYSTEM: The emergency battery requires a minimum charge time of one (1) hour before testing the circuit. A minimum of twelve (12) hours is required for a full charge.

RATED EMERGENCY OPERATION: Ninety (90) minutes for the 10W load or one hundred eighty (180) minutes for the 5W load. The 10W or 5W option is determined by the position of Dip Switch 1 (Emergency Power Selection Switch).