

SPECIFICATION SHEET: FHSAC1-UNV-40C

Description: Emergency LED Driver - Output max 40W - Universal Voltage - 250-1400mA - Programmable - 0-10V Dimming - Constant Current - 10-55V Forward Voltage - Compact Case with Wire

This Driver Will Operate The Following LED Modules:

Any LED module designed to accept constant input current of 250-1400mA and has a forward input voltage range of 10-55VDC.

ELECTRICAL DATA

Input Voltage	120-277VAC, 50/60Hz
Input Current	0.45A @ 120VAC, 0.21A @ 277VAC
Input Power	54W
Power Factor	>0.9
THD	<20%
Driver Type	Constant Current
Output Current	250-1400mA [TPSB-100 (Program Box), Figure 1]; Record New Setting On 1"x0.5" Label
Output Voltage Range	10-28VDC (250-1400mA), 10-40VDC (250-1000mA), 10-55VDC (250-730mA)
Output Power	40W Max. (Figure 1) 5W or 10W @ Emergency Mode (Min. 180 Minutes @ 5W, Min. 90 Minutes @ 10W)
Battery Type/ Model Number	LiFePO4 6.4VDC/ FHSBATL2-3.2L
Battery Capacity Available	3200mAh
Recharge Time	12 Hours
Number of Output Channels	1
Dimming Controller Type / Dimming Range	0-10V / 100%-1% (Figure 2) / Step Dimmed / Custom Dimming Curve / Dimmed To Off
RFI/EMI	FCC Part 15A Non-Consumer
Output Type	Isolated, LED Class 2
Ambient Operating Temperature Range	0°C to 40°C
Max. Case Temperature	85°C
Sound Rating	A
Input Surge Protection	Line-Neutral 1kV, Line & Neutral-Ground 3kV
Protections	Input Current Protection
	Output Short Circuit Protection
	Output Open Circuit Protection
	Output To Ground Short Protection
	Overload Protection
Service Life	Over Temperature Protection
	50,000 Hours
Approvals / Class	cURus; Isolated, LED Class 2; Dry or Damp Locations; RoHS; Type TL

Figure 1

Vo vs Io (max) CURVE

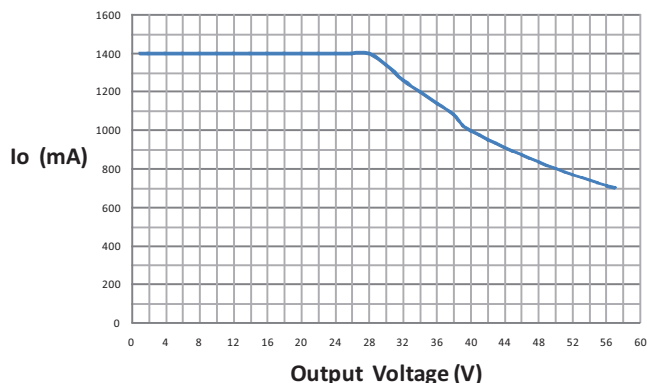
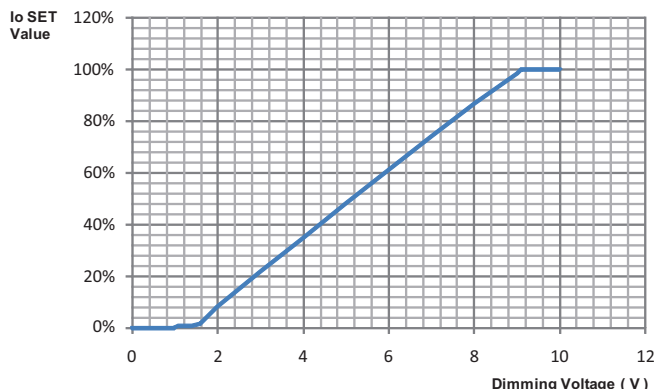


Figure 2

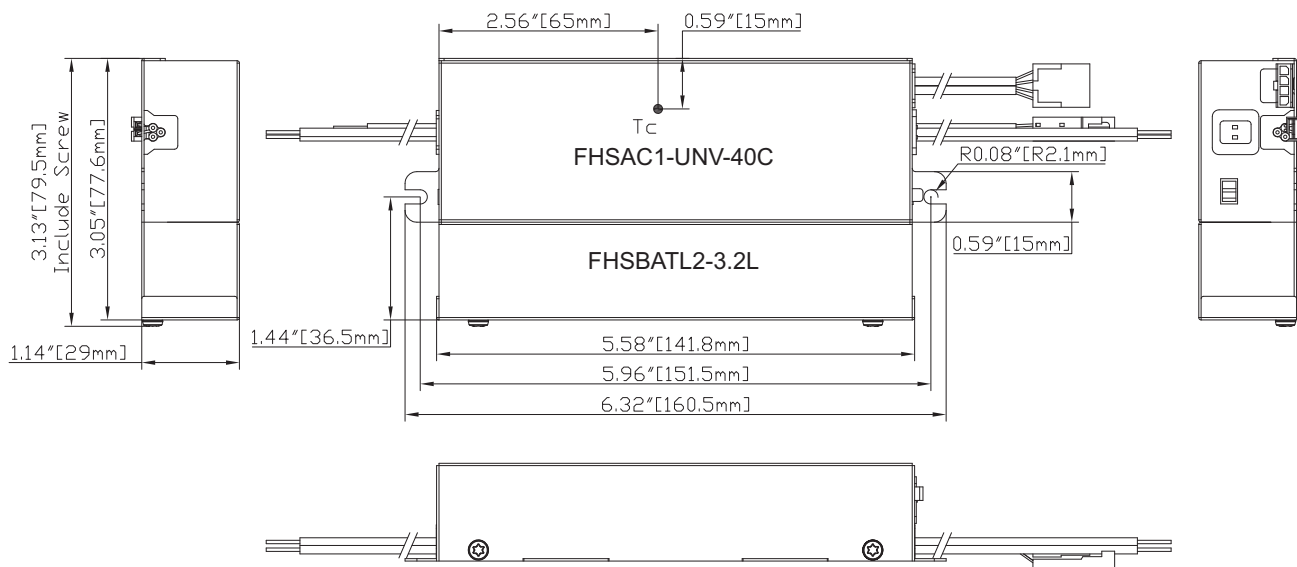
0-10V DIMMING CURVE



This product does not meet CEC Title 20 Code of Regulations. Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 5 years for driver and battery @ Tc 70°C or 5 years for driver and 3 years for battery @ Tc 80°C from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog (www.fulham.com). Due to a program of continuous improvement, Fulham reserves the right to make modifications or variations in design or construction to the equipment described.
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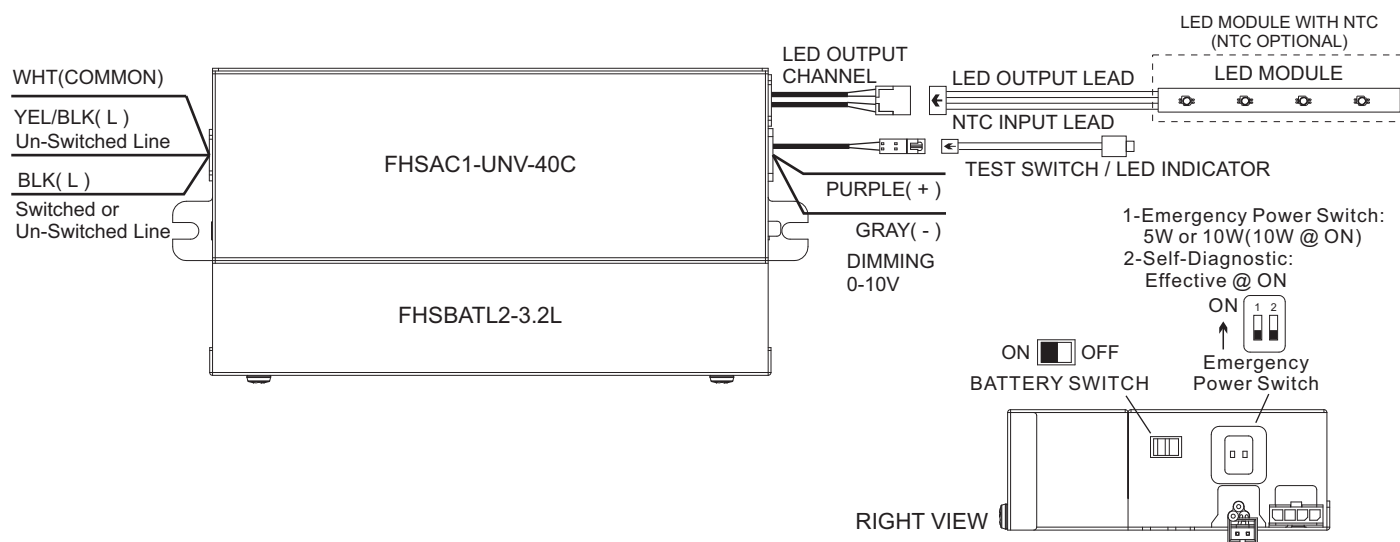
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MECHANICAL DATA



Tolerance=±0.02"

WIRING DIAGRAMS



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

INPUT SIDE	LENGTH
BLACK	12" [304.8mm]
WHITE	12" [304.8mm]
YEL/BLK	16" [406.4mm]

OUTPUT SIDE	LENGTH
LED OUTPUT	8" [203.2mm]
TEST LEAD	8" [203.2mm]
PURPLE	12" [304.8mm]
GRAY	12" [304.8mm]

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TPSB-100:

For detail information on using TPSB-100 Driver Programming Box, please consult user's manual of TPSB-100.

