

T12400800-44PB SPECIFICATIONS

Suitable for Dry, Damp and Wet Location



Wired; PC Enclosure

•

- Output voltage range of 40-55VDC
- Under Voltage Protection
 - Over Voltage Protection
 - 440Vac Protection

Input Voltage: 240±15%, 50/60Hz
 Output Current: 800mA ±8%

Output Wattage: 44W

Constant Current LED Driver

General Specifications

perating input Voltage Range 110VAC-320VAC, 50/60H2 put Current 0.26 A Max. put Power 52VV Max. were Factor 0.98 HD <10% across load range specified fficiency >86% across load range specified miver Type Constant Current Vulput Current 800mA 48% Vulput Current 100 Voltage Range 40-55VDC Vulput Channels 1 Channel imming Controller Type/Dimming Range NA FF/EMI VULPUT Current INON-Resettable Input Over Current INON-Resettable Input Over Current INON-Resettable Input Over Current INON-Resettable FF/EMI VAC-320VAC, 50/0C VULPUT Current INON-Resettable FF/EMI NA FF/EMI NA FF/EMI VAC-320VAC VIC USOFC Output Fype/Dimming Range INA FF/EMI VAC-320VAC VIC VIC USOFC Output Current INON-Resettable Input Over Current INON-RESETABLE Output Corrent INON-RESETABLE Output Corrent INON-RESETABLE Output OPER OUT SECOVERY @ Vin = 300-315VAC Immunty - 320VaC or Mak 440VaC tor B hours Input OVER Current INON-RESETABLE Output OPER OUT SECOVERY @ Vin = 300-315VAC Immunty - 320VaC OVERY @ Vin = 300-315VAC Immunty - 3	General Specifications						
put Current 0.26 A Max. put Power 52W Max. ower Factor 0.98 HD <10% across load range specified	Rated Input Voltage	240VAC ±15%, 50/60Hz					
put Power 52W Max. ower Factor 0.98 HD <10% across load range specified	Operating Input Voltage Range	110VAC~320VAC, 50/60Hz					
ower Factor 0.98 HD <10% across load range specified	Input Current	0.26 A Max.					
HD <10% across load range specified	Input Power	52W Max.					
ficiency >86% across load range specified river Type Constant Current 800mA ±8% hutput Current 800mA ±8% hutput Voltage Range 40-55VDC hutput Power 44W umber of Output Channels 1 Channel imming Controller Type/Dimming Range NA IF/IE/MI NA IF/I	Power Factor	0.98					
niver Type Constant Current 800mA ±8% 40-55VDC 44W 44W 44W 44W 44W 44W 44W 44W 44W 44	THD	<10% across load rang	ge specified				
butput Current 800mA ±8%. butput Voltage Range 40-55VDC butput Power 44W umber of Output Channels 1 Channel imming Controller Type/Dimming Range NA F/FKMI NA butput Type Class II (IEC 61140) umber Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C ound Rating NA uput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin <325Vac; AUTORECOVERY @ Vin = 300-315VAC	Efficiency	>86% across load range specified					
hutput Voltage Range 40-55VDC hutput Power 44W lumber of Output Channels 1 Channel imming Controller Type/Dimming Range NA F//EMI NA upput Type Class II (IEC 61140) mbient Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C ound Rating NA upput Surge Protection Line-Neutral 4kV Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC Imput Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 100-110VAC Output Short Circuit : Auto recovery Output Short Circuit : Auto recovery Output to ground short YES Output to ground short YES Output to ground short YES Output Class Dry, Damp and Wet Locations Yarranty 3 years Veight 0.280Kg	Driver Type	Constant Current					
butput Power 44W tumber of Output Channels 1 Channel imming Controller Type/Dimming Range NA IF/EMI NA butput Type Class II (IEC 61140) umbient Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C ound Rating NA uput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>350vac; AUTORECOVERY @ Vin = 300-315VAC Input Over Voltage : CUTOFF @ Vin>95VAC; AUTORECOVERY @ Vin = 100-110VAC Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output Open Circuit : Auto recovery Output Open Circuit : YES Output Open and short : YES Output Open and Wet Locations Yes Arranty 3 years Veight 0.280Kg	Output Current	800mA ±8%					
number of Output Channels 1 Channel imming Controller Type/Dimming Range NA imming Controller Type/Dimming Range NA introller Type/Dimming Range NA introller Type/Dimming Range NA introller Type/Dimming Range Class II (IEC 61140) introller Type Class II (IEC 61140) introller Type/Dimming Range -10°C to 50°C tax. Case Temperature Range -10°C to 50°C tax. Case Temperature 75°C ound Rating NA input Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin >325Vac; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Output Voltage Range	40-55VDC					
Immining Controller Type/Dimming Range NA IFI/EMI NA butput Type Class II (IEC 61140) mbient Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C ound Rating NA input Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin >325Vac; AUTORECOVERY @ Vin = 300-315VAC rotections	Output Power	44W					
FI/EMI NA hutput Type Class II (IEC 61140) mbient Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C oound Rating NA nput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin >325Vac; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : Input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Number of Output Channels	1 Channel					
butput Type Class II (IEC 61140) mbient Operating Temperature Range -10°C to 50°C tax. Case Temperature 75°C iound Rating NA iput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC mmunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage Input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Dimming Controller Type/Dimming Range	NA					
Imbient Operating Temperature Range -10°C to 50°C fax. Case Temperature 75°C iound Rating NA iput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC : Inmunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : CUTOFF @ Vin<95VAC; AUTORECOVERY @ Vin = 100-110VAC	RFI/EMI	NA					
tax. Case Temperature 75°C iound Rating NA iput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : Input Under Voltage : CUTOFF @ Vin < 95VAC; AUTORECOVERY @ Vin = 100-110VAC	Output Type	Class II (IEC 61140)					
NA iput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 100-110VAC Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : YES Output Overload : Output Califier Stream is years : Output Overload is years : Output Overload Veight : Output Over Max	Ambient Operating Temperature Range	-10°C to 50°C					
uput Surge Protection Line-Neutral 4kV Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Max. Case Temperature	75°C					
Input Over Current : NON-Resettable Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC Input Under Voltage : CUTOFF @ Vin >325Vac; AUTORECOVERY @ Vin = 100-110VAC Output Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Sound Rating	NA					
Input Over Voltage : CUTOFF @ Vin>325Vac; AUTORECOVERY @ Vin = 300-315VAC Input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Input Surge Protection	Line-Neutral 4kV					
immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC		Input Over Current	: NON-Resettable				
Protections Output Short Circuit : Auto recovery Output Open Circuit : Auto recovery Output to ground short : YES Output Overload : YES Over Temperature : NA Fervice Life 50,000 hours @ Tc Max Poprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.	Protections		: Immunity - 320Vac for 48 hours & 440Vac for 8 hours				
rotections Output Open Circuit : Auto recovery Output to ground short : YES Output Overload : YES Over Temperature : NA reprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg		Input Under Voltage	: CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC				
Output Open Circuit : Auto recovery Output to ground short : YES Output Overload : YES Over Temperature : NA Service Life 50,000 hours @ Tc Max opprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.		Output Short Circuit	: Auto recovery				
Output Overload : YES Over Temperature : NA iervice Life 50,000 hours @ Tc Max upprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.		Output Open Circuit	: Auto recovery				
Over Temperature : NA iervice Life 50,000 hours @ Tc Max ipprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.		Output to ground short	t : YES				
iervice Life 50,000 hours @ Tc Max pprovals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.		•	: YES				
Approvals / Class Dry, Damp and Wet Locations Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application. 1							
Varranty 3 years Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.							
Veight 0.280Kg Note : The usage of a compatible SPD is mandatory for outdoor application.			ocations				
Note : The usage of a compatible SPD is mandatory for outdoor application.	Warranty						
	Weight	0.280Kg					
	Note : The usage of a compatible SPD is mandatory for	outdoor application	1				
	Recommended Fulham SPD - SPD1230S5A5K54						
1							

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of <u>3 years @ Tc 75°C</u> 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. © Fulham Company Limited, All Rights Reserved.



T12400800-44PB SPECIFICATIONS



Figure 1

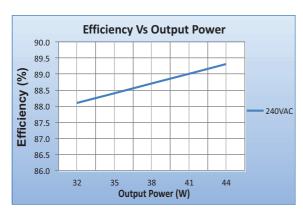


Figure 3

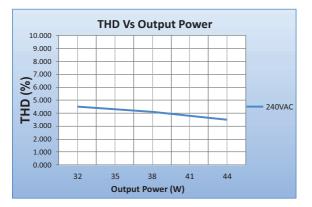


Figure 5

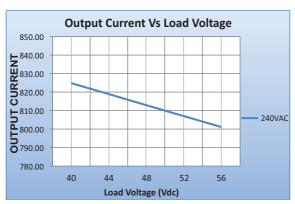


Figure 2

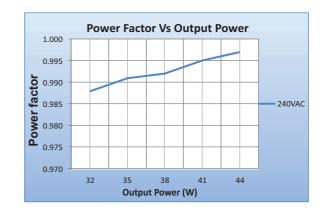
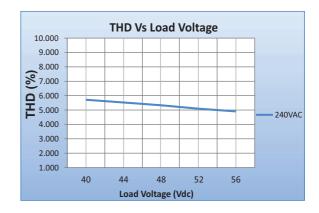


Figure 4

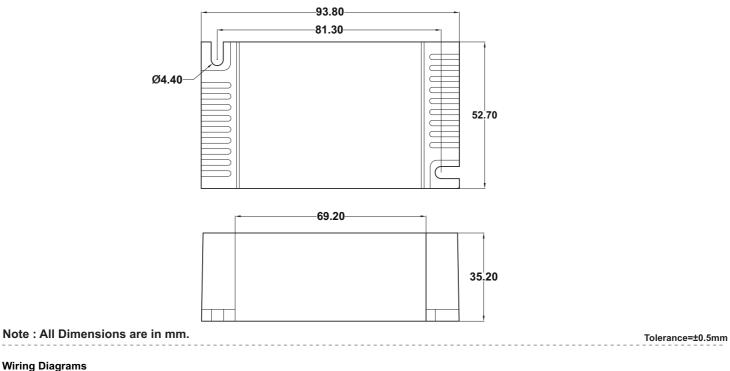


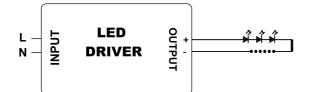
Fulham extends a limited warranty only to the original purchaser or to the first user for a period of <u>3 years @ Tc 75°C</u> from the date of manufacture when properly installed and operated under normal conditions of use. For complete terms and conditions, please reference the Fulham Product Catalog (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. © Fulham Company Limited, All Rights Reserved. 2019-12-19-1 REV A





Mechanical Data





INPUT SIDE	SIDE LENGTH		OUTPUT SIDE	LENGTH
BLACK	SLACK 250 mm		RED	250 mm
WHITE 250 mm			BLUE	250 mm
		Ī	Output wire with Terminal: N. A.	

Installation Instructions:

Connect Wires as per details given on the Driver Screen. Keep proper ventilation around the LED Driver and do not stack any object on it. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source. Do not exceed the declared Hot spot temperature(Tc max) under any circumstances.

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 3 years @ Tc 75°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. © Fulham Company Limited, All Rights Reserved. 2019-12-19-1 REV A