

## 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

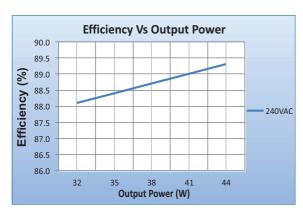


Figure 3

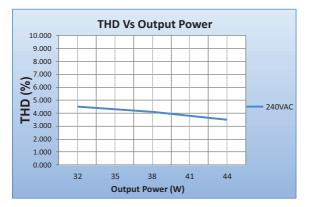


Figure 5

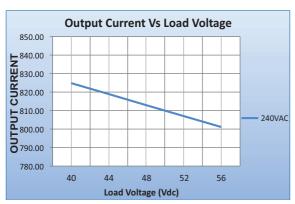


Figure 2

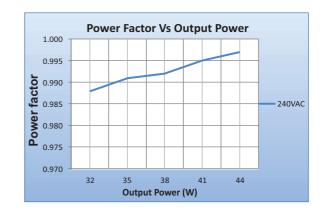
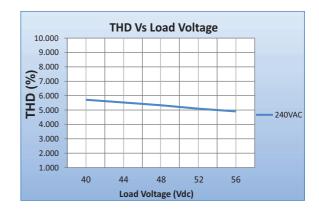


Figure 4

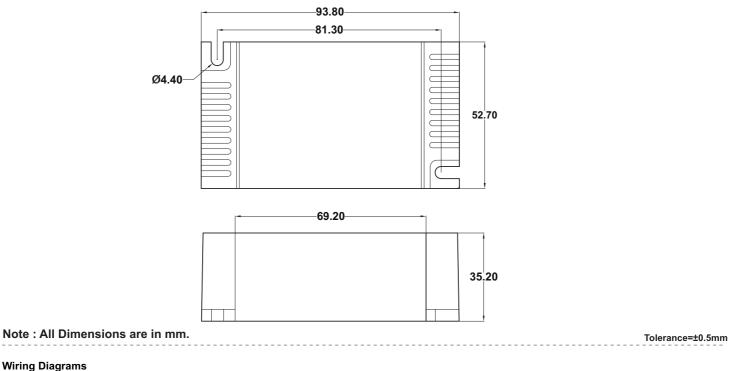


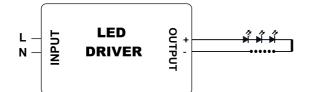
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**Mechanical Data** 





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.

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