

## T1240012V-100PB.

### **SPECIFICATIONS**





- Constant Voltage LED Driver
- Output Wattage: 100W
- Output Current: 8.34A
- Output Voltage Range of 12Vdc
- · Aluminum extrusion enclousure and cables
- Suitable For Dry, Damp and Wet Locations
- Ripple Current <5% (LF<200Hz) (pk/avg)
- 440Vac application @ 8Hrs
- OVP Cut-off
- Surge Immunity 4KV

## **General Specifications**

Operating Input Voltage Range         120-300Vac;50/60Hz           Input Current         0.488A @ Rated Voltage           Input Power         117W Max @ Rated UP Voltage           Power Factor         >0.95 (@ Full Load at Rated Voltage)           THD         <10% (@ Full Load at Rated Voltage)           Efficiency         >85% @ Rated UP Voltage & Max Load           Driver Type         Constant Voltage           Output Qurrent         8.34A Max           Output Power         100W Max           Number of Output Channels         1 Channel           Output Type         Class I           Ambient Operating Temperature Range         10°C to 55°C           Max. Case Temperature         70°C           Input Surge Protection         L-N-4KV, L-N-E-4KV As per EN 61000-4-5           Protections         Input Over Current : Non Resettable (Fuse)           Input Over Voltage : Shutdown @ >320Vac, Auto recovery           440Vac for 8 hours           Output Open Circuit : YES           Output Over Oriond short: YES           Over Temperature : NA	Rated Input Voltage	160-280Vac,50/60Hz		
Input Power	Operating Input Voltage Range	120-300Vac,50/60Hz		
Power Factor   >0.95 (@ Full Load at Rated Voltage)	Input Current	0.488A @ Rated Voltage		
THD         <10% (@ Full Load at Rated Voltage)	Input Power	117W Max @ Rated I/P Voltage		
Efficiency         >85% @ Rated I/P Voltage & Max Load           Driver Type         Constant Voltage           Output Current         8.34A Max           Output Power         12Vdc ±5%           Output Power         100W Max           Number of Output Channels         1 Channel           Output Type         Class I           Ambient Operating Temperature Range         -10°C to 55°C           Max. Case Temperature         70°C           Input Surge Protection         L-N-4KV, L-N-E-4KV As per EN 61000-4-5           Protections         Input Over Current         :Non Resettable (Fuse)           Input Over Voltage         :Shudown @ >320Vac, Auto recovery           440Vac or 8 hours         -440Vac or 8 hours           Output Open Circuit         :YES           Output Overload         :YES (HICCUP Mode) Continuous           Output Overload         :YES (HICCUP MODE)           Over Temperature         :NA           Service Life         50,000 Hours @ To Max.           Approvals / Class         SELV Equivalent ; Dry, Damp and Wet Locations           Warranty         05 Years	Power Factor	>0.95 (@ Full Load at Rated Voltage)		
Driver Type   Constant Voltage	THD	<10% (@ Full Load at Rated Voltage)		
Output Voltage Range         12Vdc ±5%           Output Power         100W Max           Number of Output Channels         1 Channel           Output Type         Class I           Ambient Operating Temperature Range         -10°C to 55°C           Max. Case Temperature         70°C           Input Surge Protection         L-N-4KV, L-N-E-4KV As per EN 61000-4-5           Protections         Input Over Current : Non Resettable (Fuse)           Input Over Voltage : Shutdown @ >320Vac, Auto recovery 440Vac for 8 hours           Output Short Circuit : YES           Output Open Circuit : YES           Output to Ground short: YES           Output Overload : YES (HICCUP MODE)           Over Temperature : NA           Service Life : 50,000 Hours @ Tc Max.           Approvals / Class         SELV Equivalent ; Dry, Damp and Wet Locations	Efficiency	>85% @ Rated I/P Voltage & Max Load		
Output Power 100W Max  Number of Output Channels 1 Channel  Output Type Class I  Ambient Operating Temperature Range -10°C to 55°C  Max. Case Temperature To°C  Input Surge Protection L-N-4KV, L-N-E-4KV As per EN 61000-4-5  Protections Input Over Current Non Resettable (Fuse)  Input Over Voltage Shutdown @ >320Vac, Auto recovery 440Vac for 8 hours  Output Open Circuit YES  Output Overload YES (HICCUP Mode) Continuous  Output Overload YES (HICCUP MODE)  Over Temperature NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent; Dry, Damp and Wet Locations  Output Overload Service Serv	Driver Type	Constant Voltage		
Output Power 100W Max Number of Output Channels 1 Channel Output Type Class I Ambient Operating Temperature Range -10°C to 55°C  Max. Case Temperature 70°C Input Surge Protection L-N-4KV, L-N-E-4KV As per EN 61000-4-5  Protections Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery	Output Current	8.34A Max		
Number of Output Channels Output Type Class I Ambient Operating Temperature Range Ambient Operating Temperature Range Input Surge Protection Input Surge Protection Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery 440Vac for 8 hours Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous Output Open Circuit : YES Output Overload : YES (HICCUP MODE) Over Temperature : NA  Service Life 50,000 Hours @ To Max.  Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations Warranty 05 Years	Output Voltage Range	12Vdc ±5%		
Output Type Class I  Ambient Operating Temperature Range -10°C to 55°C  Max. Case Temperature 70°C  Input Surge Protection L-N-4KV, L-N-E-4KV As per EN 61000-4-5  Protections Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Shutdown @ >320Vac, Auto recovery	Output Power	100W Max		
Ambient Operating Temperature Range -10°C to 55°C  Max. Case Temperature 70°C  Input Surge Protection L-N-4KV, L-N-E-4KV As per EN 61000-4-5  Protections Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Shutdown @ >320Vac, Auto recovery	Number of Output Channels	1 Channel		
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Input Surge Protection  L-N-4KV, L-N-E-4KV As per EN 61000-4-5  Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac, Auto recovery	Ambient Operating Temperature Range	-10°C to 55°C		
Protections  Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac, Auto recovery 440Vac for 8 hours  Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous  Output Open Circuit : YES  Output to Ground short: YES  Output Overload : YES (HICCUP MODE)  Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent; Dry, Damp and Wet Locations  Warranty 05 Years	Max. Case Temperature	70°C		
Input Over Voltage : Shutdown @ >320Vac,Auto recovery 440Vac for 8 hours  Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous  Output Open Circuit : YES  Output to Ground short: YES  Output Overload : YES (HICCUP MODE)  Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent; Dry, Damp and Wet Locations  Warranty 05 Years				
A40Vac for 8 hours  Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous  Output Open Circuit : YES  Output to Ground short: YES  Output Overload : YES (HICCUP MODE)  Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years	Input Surge Protection	L-N-4KV, L-N-E-4KV As per EN 61000-4-5		
Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous Output Open Circuit : YES Output to Ground short: YES Output Overload : YES (HICCUP MODE) Over Temperature : NA  Service Life 50,000 Hours @ Tc Max. Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years				
Output Open Circuit : YES Output to Ground short: YES Output Overload : YES (HICCUP MODE) Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years		Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
Output to Ground short: YES Output Overload : YES (HICCUP MODE) Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years		Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
Output Overload : YES (HICCUP MODE) Over Temperature : NA  Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years		Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery 440Vac for 8 hours		
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Service Life 50,000 Hours @ Tc Max.  Approvals / Class SELV Equivalent; Dry, Damp and Wet Locations  Warranty 05 Years		Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Shutdown @ >320Vac,Auto recovery 440Vac for 8 hours  Output Short Circuit : Auto Recovery (HICCUP Mode) Continuous  Output Open Circuit : YES		
Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations  Warranty 05 Years		Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
Warranty 05 Years		Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
	Protections	Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
Weight 0.9 Kg	Protections  Service Life	Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery		
	Service Life Approvals / Class	Input Over Current : Non Resettable (Fuse) Input Over Voltage : Shutdown @ >320Vac,Auto recovery		



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**SPECIFICATIONS** 





Figure 1

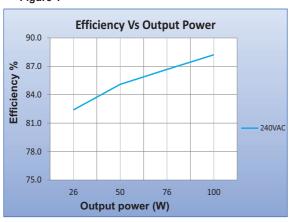


Figure 3

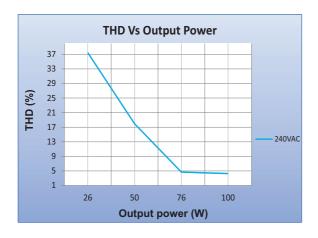


Figure 5

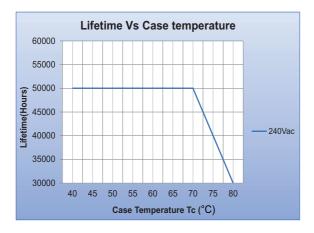


Figure 2

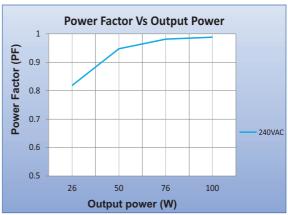


Figure 4

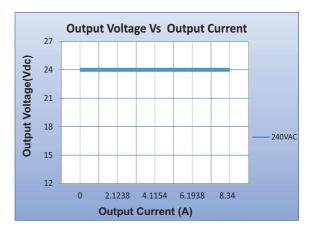
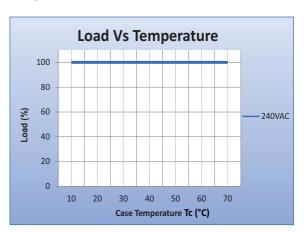


Figure 6



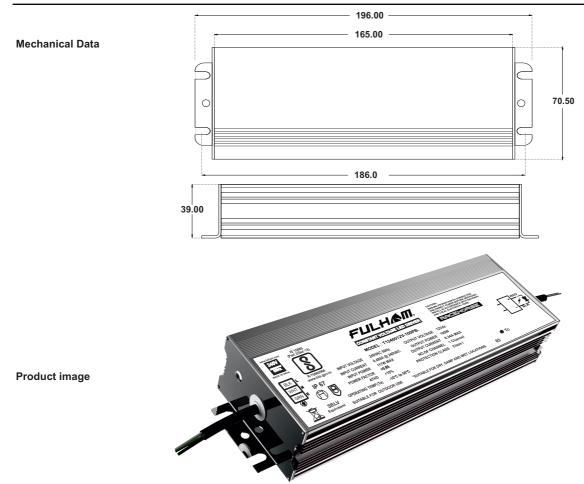


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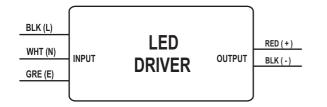






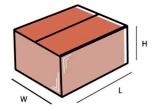
Note :All Dimensions are in mm.

Tolerance = ± 0.5mm



INPUT SIDE	LENGTH	OUTPUT SIDE	LENGTH	
BLACK (L)		RED (+)	2 CORE CABLE	
WHITE (N)	3 CORE CABLE 300mm	BLACK (-)	300mm	
GREEN (E)			•	



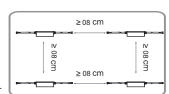


#### Master carton

OUTER DIMENSION						
L		W		Н		
235mm		230mm		155mm		
Net Weight		ross eight	QL	JANTITY		
8.55kg	ę	9.1kg		09		

#### **Installation Instructions:**

- The driver should be installed in a dry, acid-free, oil free, fat-free environment.
- Do not exceed the declared Hot spot temperature(Tc max) under any circumstances.
- ≥ 08 cm clearance must be kept between the drivers as per installation diagram, When multiple drivers used.



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of <u>05 years @ Tc max</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.