

# T1M1240012V-100PB.

### **SPECIFICATIONS**





- Constant Voltage LED Driver
- Output Wattage: 100W
- Output Current: 8.34A
- Output Voltage Range of 12Vdc±5%
- Aluminum extrusion enclousure and cables
- · Suitable For Dry, Damp and Wet Locations
- Analog Dimming 1-10Vdc (10-100%)
- Ripple Current <5%(LF<200Hz) (pk/avg)</li>
- · 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 I/P Voltage           Power Factor         >0.95 (@ Full Load at Rated Voltage)           THD         <10% (@ Full Load at Rated Voltage)           Efficiency         >85% @ Rated I/P Voltage & Max Load           Driver Type         Constant Voltage           Output Current         8.34A Max           Output Voltage Range         12Vdc ±5%           Output Power         100W Max           Number of Output Channels         1 Channel           Dimming Controller Type/Dimming Range         Analog 1 - 10Vdc (10 - 100%)           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
Input Power 117W Max @ Rated I/P Voltage  Power Factor >0.95 (@ Full Load at Rated Voltage)  THD <10% (@ Full Load at Rated Voltage)  Efficiency >85% @ Rated I/P Voltage & Max Load  Driver Type Constant Voltage  Output Current 8.34A Max  Output Voltage Range 12Vdc ±5%  Output Power 100W Max  Number of Output Channels 1 Channel  Dimming Controller Type/Dimming Range Analog 1 - 10Vdc (10 - 100%)  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)
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input ovor voltago . Orialdonni les obovery
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) >102%
Over Temperature : NA
Service Life 50,000 Hours @ Tc Max.
Approvals / Class SELV Equivalent ; Dry, Damp and Wet Locations
Warranty 05 Years
Weight 0.9Kg



# T1M1240012V-100PB.

**SPECIFICATIONS** 





Figure 1

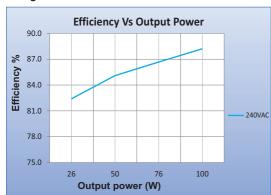


Figure 3

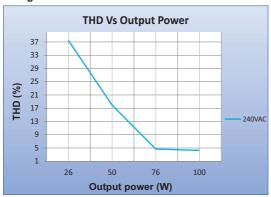


Figure 5

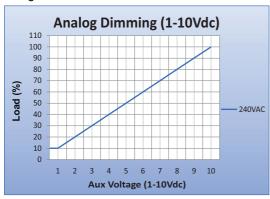


Figure 7

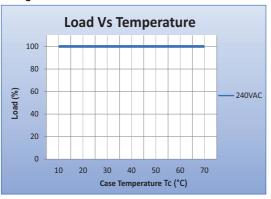


Figure 2

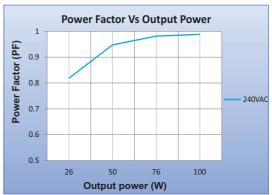


Figure 4

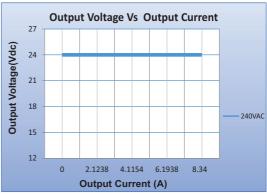
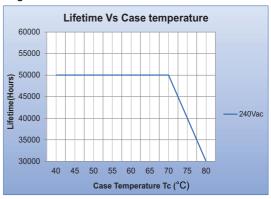


Figure 6



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.

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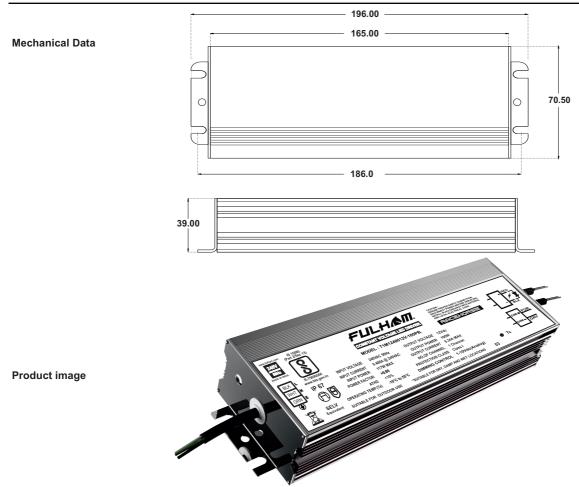


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**SPECIFICATIONS** 

IP 67 ROHS COMPLIANT SELV Equivalent

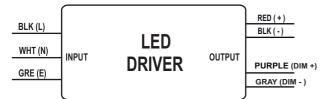




Note :All Dimensions are in mm.

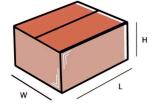
Tolerance = ± 0.5mm

#### Wiring Diagrams



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

#### **Packaging**

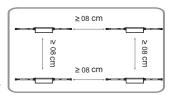


#### Master carton

OUTER DIMENSION						
L		W		Н		
235mm		230mm		155mm		
Net Weight	Gross Weight		QUANTITY			
8.55kg	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.



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