

### T1240080S-40LB

### **SPECIFICATIONS**



- Constant Current LED Driver
- Multiple Current Selection by DIP Switch
- O/P Current 650, 700, 750 OR 800mA
- Output Current Tolerance ± 7%
- Output Wattage: 40W
- Output voltage range of 30-50Vdc
- Suitable for Class II FixturesSurge Immunity 4KV
- I/P Over Voltage Protection
- Compact Linear Form Factor W30xH23

### **General Specifications**

Operating Input Voltage Range         100-300Vac,50 Hz           Input Current         0.21 A Max @ 240Vac           Input Power         48W Max (Typical @ at Max Load)           Power Factor         >0.95 (@ 240Vac at Max Load)           THD         <10% (@ 240Vac at Max Load)           Efficiency         >855% (@ 240Vac at Max Load)           Driver Type         Constant Current           Output Current         800 ±7%, 750mA ±7%, 700mA ±7%, 650mA ±7%           Output Current         800 ±7%, 750mA ±7%, 650mA ±7%, 650mA ±7%           Output Voltage Range         30-50Vdc           Output Voltage Range         30-50Vdc           Output Type         Class II           Output Type         Class II           Dimming Controller Type         NA           Ambient Operating Temperature Range         -10°C to 50°C           Max. Case Temperature Range         -10°C to 50°C           Max. Case Temperature         75°C           Input Over Voltage         : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac; Imput Over Voltage           Input Over Voltage         : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac; Imput Under Voltage in	Rated Input Voltage	240Vac ±20%,50 Hz	240Vac ±20%,50 Hz		
Input Power	Operating Input Voltage Range	100-300Vac,50 Hz			
Power Factor         >0.95 (@ 240Vac at Max Load)           THD         <10% (@ 240Vac at Max Load)	Input Current	0.21 A Max @ 240Vac			
THD         <10% (@ 240Vac at Max Load)	Input Power	48W Max (Typical @ a	48W Max (Typical @ at Max Load)		
Efficiency         >85% (@ 240Vac at Max Load)           Driver Type         Constant Current           Output Current         800 ±7%, 750mA ±7%, 700mA ±7%, 650mA ±7%           *Refer DIP switch Table for O/P current selection           Output Voltage Range         30-50Vdc           Output Power         40W Max           Number of Output Channels         1 Channel           Output Type         Class II           Dimming Controller Type         NA           Ambient Operating Temperature Range         -10°C to 50°C           Max. Case Temperature         75°C           Input Surge Protection         L-N - 4KV           Protections         Input Over Voltage         : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac           Input Under Voltage         : NA           Output Under Voltage         : NA           Output Open Circuit         : Auto Recovery (HICCUP Mode)           Output Open Circuit         : Auto Recovery (HICCUP Mode)           Output Overload         : YES           Over Temperature         : NA           Over Temperature         : NA           Service Life         50,000 Hours @ To Max           Approvals / Class         SELV Equivalent; Dry Locations	Power Factor	>0.95 (@ 240Vac at M	>0.95 (@ 240Vac at Max Load)		
Driver Type         Constant Current           0utput Current         800 ±7%, 750mA ±7%, 700mA ±7%, 650mA ±7%           Cutput Voltage Range         30-50Vdc           0utput Power         40W Max           Number of Output Channels         1 Channel           0utput Type         Class II           Dimming Controller Type         NA           Ambient Operating Temperature Range         -10°C to 50°C           Max. Case Temperature         75°C           Input Surge Protection         L·N - 4KV           Protections         Input Over Current in Protection in Protections in Protection in Prot	THD	<10% (@ 240Vac at M	<10% (@ 240Vac at Max Load)		
Output Current         800 ± 7%, 750mA ± 7%, 700mA ± 7%, 650mA ± 7%           Refer DIP switch Table for O/P current selection           Output Power         40W Max           Number of Output Channels         1 Channel           Output Type         Class II           Dimming Controller Type         NA           Ambient Operating Temperature Range         -10°C to 50°C           Max. Case Temperature         75°C           Input Surge Protection         L-N - 4KV           Protections         Input Over Current : Non Resettable (Fuse)           Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours           Input Under Voltage : NA         Output Open Circuit : Auto Recovery (HICCUP Mode)           Output Open Circuit : Auto Recovery (HICCUP Mode)         Output to Ground short : YES           Output Overload : YES         Over Temperature : NA           Service Life : 50,000 Hours @ To Max           Approvals / Class         SELV Equivalent ; Dry Locations           Warranty         03 Years	Efficiency	>85% (@ 240Vac at M	>85% (@ 240Vac at Max Load)		
*Refer DIP switch Table for O/P current selection	Driver Type	Constant Current			
Output Voltage Range         30-50Vdc           Output Power         40W Max           Number of Output Channels         1 Channel           Output Type         Class II           Dimming Controller Type         NA           Ambient Operating Temperature Range         -10°C to 50°C           Max. Case Temperature         75°C           Input Surge Protection         L-N - 4KV           Protections         Input Over Current : Non Resettable (Fuse)           Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours           Input Under Voltage : NA         : NA           Output Short Circuit : Auto Recovery (HICCUP Mode)         Output Open Circuit : Auto Recovery (HICCUP Mode)           Output Overload : YES         Output Overload : YES           Over Temperature : NA         Service Life : NA           Service Life : 50,000 Hours @ To Max           Approvals / Class         SELV Equivalent ; Dry Locations           Warranty         03 Years	Output Current				
Output Power     40W Max       Number of Output Channels     1 Channel       Output Type     Class II       Dimming Controller Type     NA       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Input Surge Protection     L-N - 4KV       Protections     Input Over Current : Non Resettable (Fuse)       Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours       Input Under Voltage : NA     Input Under Voltage : Auto Recovery (HICCUP Mode)       Output Open Circuit : Auto Recovery (HICCUP Mode)     Output Open Circuit : Auto Recovery (HICCUP Mode)       Output Overload : YES     Output Overload : YES       Over Temperature : NA       Service Life : 50,000 Hours @ To Max       Approvals / Class : SELV Equivalent; Dry Locations       Warranty : 03 Years			ole for O/P current selection		
Number of Output Channels		30-50Vdc	30-50Vdc		
Dimming Controller Type  Ambient Operating Temperature Range Anbient Operating Temperature Range Anbient Operating Temperature Range Arbient Operating Temperature T5°C  Input Surge Protection  L-N - 4KV  Protections  Input Over Current : Non Resettable (Fuse) Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : NA Output Short Circuit : Auto Recovery (HICCUP Mode) Output Open Circuit : Auto Recovery (HICCUP Mode) Output to Ground short : YES Output Overload : YES Over Temperature : NA Service Life 50,000 Hours @ Tc Max Approvals / Class  SELV Equivalent ; Dry Locations  Warranty 03 Years					
Dimming Controller Type  Ambient Operating Temperature Range  -10°C to 50°C  Max. Case Temperature  75°C  Input Surge Protection  L-N - 4KV  Protections  Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours  Input Under Voltage : NA  Output Short Circuit : Auto Recovery (HICCUP Mode)  Output Open Circuit : Auto Recovery (HICCUP Mode)  Output to Ground short : YES  Over Temperature : NA  Service Life  50,000 Hours @ Tc Max  Approvals / Class  SELV Equivalent ; Dry Locations  Warranty  03 Years	Number of Output Channels	1 Channel			
Ambient Operating Temperature Range -10°C to 50°C  Max. Case Temperature 75°C  Input Surge Protection L-N - 4KV  Protections Input Over Current : Non Resettable (Fuse)  Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours  Input Under Voltage : NA  Output Short Circuit : Auto Recovery (HICCUP Mode)  Output Open Circuit : Auto Recovery (HICCUP Mode)  Output of Ground short : YES  Output Overload : YES  Over Temperature : NA  Service Life 50,000 Hours @ Tc Max  Approvals / Class SELV Equivalent ; Dry Locations  Warranty 03 Years	Output Type	Class II			
Max. Case Temperature         75°C           Input Surge Protection         L-N - 4KV           Protections         Input Over Current : Non Resettable (Fuse)           Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours           Input Under Voltage : NA         NA           Output Short Circuit : Auto Recovery (HICCUP Mode)           Output Open Circuit : Auto Recovery (HICCUP Mode)           Output Overload : YES           Over Temperature : NA           Service Life : 50,000 Hours @ Tc Max           Approvals / Class : SELV Equivalent; Dry Locations           Warranty : 03 Years	Dimming Controller Type	NA			
Input Surge Protection	Ambient Operating Temperature Range	-10°C to 50°C	-10°C to 50°C		
Protections  Input Over Current : Non Resettable (Fuse) Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours Input Under Voltage : NA Output Short Circuit : Auto Recovery (HICCUP Mode) Output Open Circuit : Auto Recovery (HICCUP Mode) Output to Ground short : YES Output Overload : YES Over Temperature : NA Service Life 50,000 Hours @ Tc Max Approvals / Class SELV Equivalent ; Dry Locations Warranty 03 Years	Max. Case Temperature	75°C	75°C		
Input Over Voltage : Cutoff @ Vin>325Vac; Auto Recovery @ Vin = 300-315Vac : Immunity - 320Vac for 48 hours & 440Vac for 8 hours  Input Under Voltage : NA Output Short Circuit : Auto Recovery (HICCUP Mode) Output Open Circuit : Auto Recovery (HICCUP Mode) Output to Ground short : YES Output Overload : YES Over Temperature : NA Service Life 50,000 Hours @ Tc Max Approvals / Class SELV Equivalent ; Dry Locations Warranty 03 Years	Input Surge Protection	L-N - 4KV			
Input Under Voltage : NA  Output Short Circuit : Auto Recovery (HICCUP Mode)  Output Open Circuit : Auto Recovery (HICCUP Mode)  Output to Ground short : YES  Output Overload : YES  Over Temperature : NA  Service Life 50,000 Hours @ Tc Max  Approvals / Class SELV Equivalent ; Dry Locations  Warranty 03 Years	Protections	Input Over Current	: Non Resettable (Fuse)		
Output Short Circuit : Auto Recovery (HICCUP Mode) Output Open Circuit : Auto Recovery (HICCUP Mode) Output to Ground short : YES Output Overload : YES Over Temperature : NA Service Life 50,000 Hours @ Tc Max Approvals / Class SELV Equivalent ; Dry Locations Warranty 03 Years		Input Over Voltage			
Output Open Circuit         : Auto Recovery (HICCUP Mode)           Output to Ground short         : YES           Output Overload         : YES           Over Temperature         : NA           Service Life         50,000 Hours @ Tc Max           Approvals / Class         SELV Equivalent ; Dry Locations           Warranty         03 Years		Input Under Voltage	: NA		
Output to Ground short : YES           Output Overload : YES           Over Temperature : NA           Service Life : Service Life		Output Short Circuit	: Auto Recovery (HICCUP Mode)		
Output Overload         : YES           Over Temperature         : NA           Service Life         50,000 Hours @ Tc Max           Approvals / Class         SELV Equivalent ; Dry Locations           Warranty         03 Years		Output Open Circuit	: Auto Recovery (HICCUP Mode)		
Over Temperature         : NA           Service Life         50,000 Hours @ Tc Max           Approvals / Class         SELV Equivalent ; Dry Locations           Warranty         03 Years		Output to Ground short	rt : YES		
Service Life 50,000 Hours @ Tc Max  Approvals / Class SELV Equivalent ; Dry Locations  Warranty 03 Years		Output Overload	: YES		
Approvals / Class SELV Equivalent ; Dry Locations  Warranty 03 Years		Over Temperature	: NA		
Warranty 03 Years	Service Life	50,000 Hours @ Tc Ma	ax		
	Approvals / Class	SELV Equivalent ; Dry Locations			
Weight 0.155 Kg	Warranty	03 Years			
	Weight	0.155 Kg			

Note: Suitable for Indoor application only

### **DIP Switch Chart:**

louт (mA)	DIP Switch		Роит (W)
1001 (111/1)	PIN 1	PIN 2	1 001 (**)
800mA	ON	ON	40.0
750mA	ON	OFF	37.5
700mA	OFF	ON	35.0
650mA	OFF	OFF	32.5

Fulham extends a limited warranty only to the original purchaser or to the first user for a period of 03 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.



# T1240080S-40LB

**SPECIFICATIONS** 



Figure 1

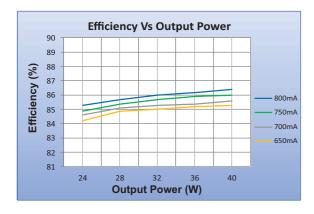


Figure 2

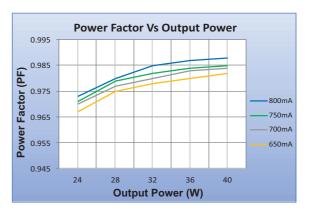


Figure 3

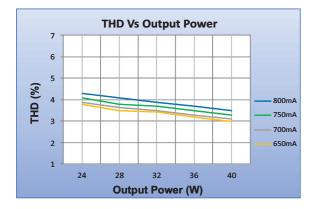


Figure 4

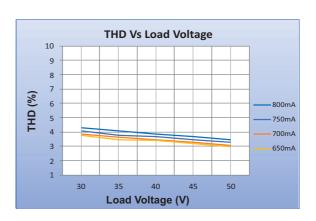
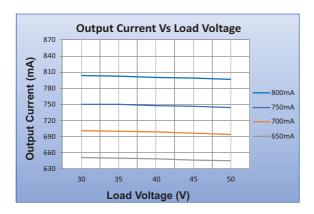


Figure 5



Fulham extends a limited warranty only to the original purchaser or to the first user for a period of <u>03 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.

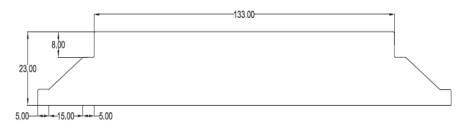


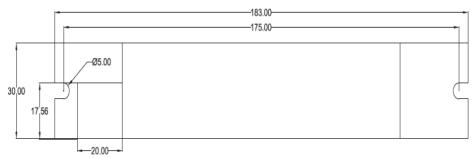
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### **SPECIFICATIONS**

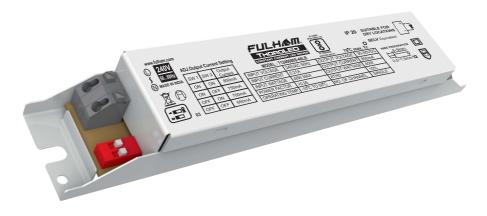


#### **Mechanical Data**





#### **Product Image**



Note: All Dimensions are in mm.

Tolerance=±0.5mm

### **Wiring Diagrams**



INPUT 2 PIN	GREY	LINE
CONNECTOR	GREY	NEUTRAL

OUTPUT 2 PIN	ORANGE	POSITIVE
CONNECTOR	GREY	NEGATIVE

**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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