

# T12400670-40PB SPECIFICATIONS

# SELV Equivalent

- Constant Current LED Driver
- Output Wattage: 40W
- Input Voltage: 240VAC, 50/60Hz
- Output Current: 670mA ±8%

- Wired; PC EnclosureOutput voltage range of 40-60VDC
- Dry and Damp Locations
- SELV Equivalent

- Under Voltage Protection
- Over Voltage Protection
- 440Vac Protection

Dimming Controller Type/Dimming RangeNARFI/EMINAOutput TypeClass II (IEC 61140)Ambient Operating Temperature Range-10°C to 50°CMax. Case Temperature75°CSound RatingNA	General Specifications				
Input Current 0.4 A Max. Input Power 49W Max. Power Factor 0.98 THD            Power Factor         0.98 Constant Current 0.98 Constant Current 0.98 Constant Current 0.98 Constant Current 0.98 Output Vortage Range 0.96 Output Voltage Range 0.96 Number of Output Channels 1 Channel 0.97 Dimming Controller Type/Dimming Range NA RF/EMI NA RF/EMI NA Output Type Class II (IEC 61140) Ambient Operating Temperature Range 10°C to 50°C Max. Case Temperature 75°C Sound Rating NA Input Surge Protection Input Voltage 1.00°C rurent 1.00N-Resettable Input Over Current 1.00N-Resettable Input Over Current 1.00N-Resettable Input Over Current 2.00°CF @ Vin = 300.315VAG 	Rated Input Voltage	240VAC ±15%, 50/60Hz			
Input Power 49W Max. Power Factor 0.98 THD <10% across load range specified Efficiency >86% across load range specified Driver Type Constant Current Output Current 670mA ±8% Output Voltage Range 40-60VDC Output Power 40W Number of Output Channels 1Channel Dimming Controller Type/Dimming Range NA RF/IEMI NA Output Type Class II (IEC 61140) Ambient Operating Temperature Range 10°C to 50°C Max. Case Temperature 75°C Sound Rating NA Input Surge Protection Line-Neutral 4KV DM Input Surge Protection Line-Neutral 4KV DM Protections Output Under Voltage CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC Untur Under Voltage CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 100-110VAC Output Source Current NA Service Life 50,000 hours @ Tc 75°C Approvals / Class Dry and Damp Locations Warranty 3 years	Operating Input Voltage Range	110VAC~320VAC, 50/60Hz			
Power Factor     0.98       THD     <10% across load range specified	Input Current				
THD       <10% across load range specified	Input Power	49W Max.			
Efficiency       >86% across load range specified         Driver Type       Constant Current         Output Current       670mA ±8%         Output Voltage Range       40-60VDC         Output Power       400W         Number of Output Channels       1 Channel         Dimming Controller Type/Dimming Range       NA         RF//EMI       NA         Qutput Type       Class II (IEC 61140)         Ambient Operating Temperature Range       -10°C to 50°C         Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin >35VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       Output Yolder Voltage       : CUTOFF @ Vin >35VAC; AUTORECOVERY @ Vin = 100-110VAC         Output Over Voltage       : CUTOFF @ Vin <35VAC; AUTORECOVERY @ Vin = 100-110VAC	Power Factor	0.98			
Driver Type     Constant Current       Output Current     670mA ±8%       Output Voltage Range     40-60VDC       Output Power     40W       Number of Output Channels     1 Channel       Dimming Controller Type/Dimming Range     NA       RF/EMI     NA       Output Type     Class II (IEC 61140)       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Sound Rating     NA       Input Surge Protection     Line-Neutral 4kV DM       Input Over Current     : NON-Resettable       Input Over Voltage     : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC; : Immunty - 320Vac for 48 hours & 440Vac for 8 hours       Protections     Output Type Output Corrent       Protections     : Quitput Over Current       Service Life     50,000 hours @ Tc 75°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years	THD	<10% across load range specified			
Output Current     670mA ±8%.       Output Voltage Range     40-60VDC       Output Power     40W       Number of Output Channels     1 Channel       Dimming Controller Type/Dimming Range     NA       RF/EMI     NA       Output Type     Class II (IEC 61140)       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Sound Rating     NA       Input Surge Protection     Line-Neutral 4kV DM       Input Over Current     : NON-Resettable       Input Over Current     : NON-Resettable       Input Over Current     : NON-Resettable       Input Over Voltage     : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440vac for 8 hours       Protections     Output Over Voltage     : CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC	Efficiency	>86% across load range specified			
Output Voltage Range     40-60VDC       Output Power     40W       Number of Output Channels     1 Channel       Dimming Controller Type/Dimming Range     NA       RF/EMI     NA       Output Type     Class II (IEC 61140)       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Sound Rating     NA       Input Surge Protection     Line-Neutral 4KV DM       Input Over Current     NON-Resettable       Input Over Voltage     : CUTOFF @ Vin >325VAC; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hours       Protections     Output Open Circuit     : Auto recovery       Output Overload     : YES       Over Temperature     : NA       Service Life     50,000 hours @ 175°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years	Driver Type	Constant Current	Constant Current		
Output Power     40W       Number of Output Channels     1 Channel       Dimming Controller Type/Dimming Range     NA       RFI/EMI     NA       Output Type     Class II (IEC 61140)       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Sound Rating     NA       Input Surge Protection     Line-Neutral 4kV DM       Input Over Current     : NON-Resettable       Input Over Current     : NON-Resettable       Input Over Current     : OUTOFF @ Vin >325VAC; AUTORECOVERY @ Vin = 300-315VAC       Protections	Output Current	670mA <u>+</u> 8%	670mA ±8%		
Number of Output Channels       1 Channel         Dimming Controller Type/Dimming Range       NA         RFI/EMI       NA         Output Type       Class II (IEC 61140)         Ambient Operating Temperature Range       -10°C to 50°C         Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       Under Voltage         Protections       Cutput Short Circuit         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years	Output Voltage Range	40-60VDC			
Dimming Controller Type/Dimming Range     NA       RFI/EMI     NA       Output Type     Class II (IEC 61140)       Ambient Operating Temperature Range     -10°C to 50°C       Max. Case Temperature     75°C       Sound Rating     NA       Input Surge Protection     Line-Neutral 4kV DM       Input Over Current     : NON-Resettable       Input Over Voitage     : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC       Protections     : Output Over Voitage       Protections     : Output Short Circuit       Service Life     50,000 hours @ Tc 75°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years	Output Power	40W	40W		
RFI/EMI       NA         Output Type       Class II (IEC 61140)         Ambient Operating Temperature Range       -10°C to 50°C         Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin >325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       Output Over Voltage       : CUTOFF @ Vin >325VAC; AUTORECOVERY @ Vin = 100-110VAC         Output Over Voltage       : CUTOFF @ Vin >325VAC; AUTORECOVERY @ Vin = 100-110VAC         Output Under Voltage       : CUTOFF @ Vin >95VAC; AUTORECOVERY @ Vin = 100-110VAC         Output Open Circuit       : Auto recovery         Output Open Circuit       : Auto recovery         Output Over Temperature       : NA         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years	Number of Output Channels	1 Channel	1 Channel		
Output Type       Class II (IEC 61140)         Ambient Operating Temperature Range       -10°C to 50°C         Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections	Dimming Controller Type/Dimming Range	NA			
Ambient Operating Temperature Range       -10°C to 50°C         Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       : Immunity - 320Vac for 48 hours & 440Vac for 8 hours         Input Under Voltage       : CUTOFF @ Vin <s25vac; @="" autorecovery="" vin="100-110VAC&lt;/td">         Output Short Circuit       : Auto recovery         Output Open Circuit       : Auto recovery         Output Open Circuit       : Auto recovery         Output Overload       : YES         Output Overload       : YES         Over Temperature       : NA         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years</s25vac;>	RFI/EMI	NA			
Max. Case Temperature       75°C         Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       : Input Under Voltage       : CUTOFF @ Vin < 95VAC; AUTORECOVERY @ Vin = 100-110VAC	Output Type	Class II (IEC 61140)			
Sound Rating       NA         Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       Input Under Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       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       : YES         Over Temperature       : NA         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years	Ambient Operating Temperature Range	-10°C to 50°C			
Input Surge Protection       Line-Neutral 4kV DM         Input Over Current       : NON-Resettable         Input Over Voltage       : CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC         Protections       : 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 < 95VAC; AUTORECOVERY @ Vin = 100-110VAC	Sound Rating	NA			
Input Over Voltage: CUTOFF @ Vin>325VAC; AUTORECOVERY @ Vin = 300-315VAC : Immunity - 320Vac for 48 hours & 440Vac for 8 hoursInput Under Voltage: CUTOFF @ Vin <95VAC; AUTORECOVERY @ Vin = 100-110VAC Output Short CircuitProtectionsOutput Short CircuitOutput Open Circuit: Auto recovery Output to ground shortOutput Overload: YES Over TemperatureService Life50,000 hours @ Tc 75°CApprovals / ClassDry and Damp LocationsWarranty3 years	Input Surge Protection	Line-Neutral 4kV DM			
Protections       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         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years			0-315VAC		
Protections       Output Open Circuit : Auto recovery         Output to ground short : YES         Output Overload : YES         Over Temperature : NA         Service Life       50,000 hours @ Tc 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years		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 75°C         Approvals / Class       Dry and Damp Locations         Warranty       3 years	Desta stieves	Output Short Circuit : Auto recovery			
Output Overload     : YES       Over Temperature     : NA       Service Life     50,000 hours @ Tc 75°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years	Protections	Output Open Circuit : Auto recovery			
Over Temperature     : NA       Service Life     50,000 hours @ Tc 75°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years		Output to ground short : YES			
Service Life     50,000 hours @ Tc 75°C       Approvals / Class     Dry and Damp Locations       Warranty     3 years		Output Overload : YES			
Approvals / Class     Dry and Damp Locations       Warranty     3 years					
Warranty 3 years					
Weight 0.220Kg					
	Weight	0.:220Kg			

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.

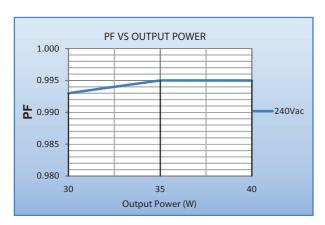


# T12400670-40PB **SPECIFICATIONS**

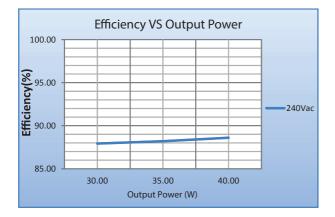
Figure 2

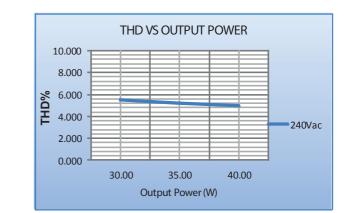
## **SELV Equivalent**

#### Figure 1



### Figure 3





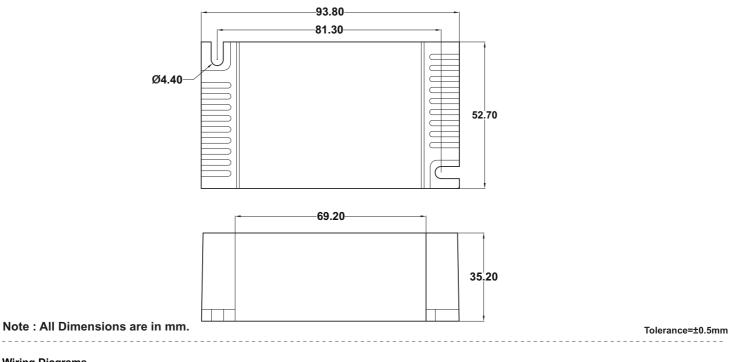
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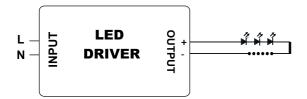
T12400670-40PB SPECIFICATIONS

**SELV Equivalent** 

**Mechanical Data** 



## Wiring Diagrams



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

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