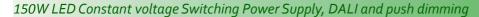
FTPC150V-DA series





■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Over current / Over voltage / Over temperature
 - Cooling by free air convection
 - Isolation class II
 - Built-in active PFC function
 - Linear shape
 - DALI and push dimming function
 - Dimming range: 1-100%



	hing Power Supply, DALI and push o	dimming
PRELIMINAR	• Protection	• Constant voltage design • European AC input range ns: Short circuit / Over current / Over voltage / Over temperature • Cooling by free air convection • Isolation class I • Built-in active PFC function • Linear shape • DALI and push dimming function • Dimming range: 1-100%
©ELECTRICAL SPECIFICAT		
MODEL	FTPC150V12-DA	FTPC150V24-DA
OUTPUT		
Rated Voltage	12V	24V
Rated Current	11A	6.25A
Rated Power	132W	
No Load Output Voltage (max.)	12.6V	25.2V
Line Regulation	± 1%	
Load Regulation	± 6%	
Voltage Tolerance [3]	± 5%	
Ripple & Noise (max.) [2]	1.50V _{P-P}	
Setup, Rise Time [4]	20ms, 500ms / 230VAC at full loa	d
Hold up Time (typ.)	1.5ms / 230VAC at full load	
INPUT		
Voltage Range	220 ÷ 240VAC	
Frequency Range	47 ÷ 63Hz	
Power Factor (typ.)	PF > 0.9 / 230VAC at full load	
Efficiency (typ.)	92%	
AC current (typ.)	0.8A / 230VAC	
Inrush current (max.)	50A / 230VAC (25°C)	
DIMMING		
Dimming Range	1 – 100% of rated output current	
Suitable dimmers	DALI or PUSH DIMMING	
PROTECTIONS		
Over Current	Range: 110% - 160%	
	Type: Hiccup mode auto-recovery.	
Short Circuit	Type: Hiccup mode auto-recovery.	
Over Voltage	< 18V	< 36V
-	Type: Hiccup mode auto-recovery.	
Over Temperature	Range: 115°C ± 10°C	
·	Type: Decrease output current. Recovers automatically after fault condition is removed.	

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FTPC150V-DA series

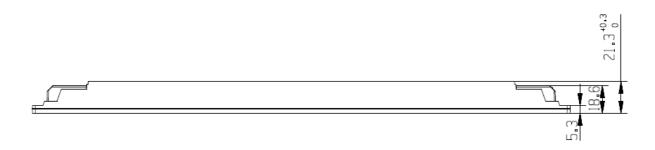


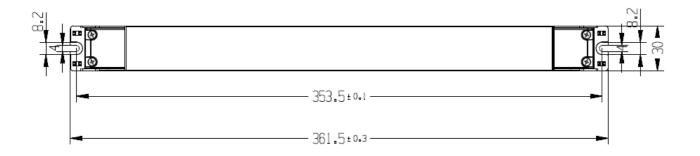
150W LED Constant voltage Switching Power Supply, DALI and push dimming

WORKING ENVIRONMENT		
Working Temperature	-40°C ÷ +45°C	
Working Humidity	15 ÷ 95% RH non-condensing	
Storage Temperature and Humidity	-40°C ÷ +80°C, 10 ÷ 95% RH non-condensing	
SAFETY AND EMC REGULATIONS		
Safety Standards	Compliance to EN61347-1, EN61347-2-13	
Dali Standards	Compliance to IEC 62386-101, 102,207	
Withstand Voltage	IN/OUT: 5.3kVDC	
EMC Emission	Compliance to EN55015	
EMC Immunity	Compliance to EN61547	
Harmonic Current	Compliance to EN61000-3-2, EN61000-3-3	
OTHERS		
Dimensions	361,5 x 30 x 21.3mm (L x W x H)	
Weight and Packing	0.2kg; 20pcs./ctn, ctn dimensions: 38x18x16.5 cm	
EAN Code	5 90 2 1 3 5 1 3 3 7 1 2	5 9 0 2 1 3 5 1 1 3 3 7 2 9

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a $0.1\mu F$ i $47\mu F$ parallel capacitor.
- 3. Tolerance includes set up tolerance, line regulation and load regulation.
- 4. Setup and rise time is measured from 0 to 90% rated output voltage.
 5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

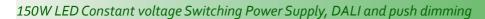
MECHANICAL SPECIFICATION





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FTPC150V-DA series





OPUSH DIMMING WIRING DIAGRAM

Push Dimmer



FUNCTION	Push time
No status change	<0.05 sec.
Push on/off	0.1-1 sec.
Dimming up or down	1.5-10 sec.
Set 100% brightness	>11 sec.

Factory setting 100% Each time press will change the dimming direction

ODALI WIRING DIAGRAM



PIN ASSIGNMENT		
	Function	Description
DA		DA signal/ neutral wire
DA		DA signal/ line wire
AC/N		Input: AC/N
AC/L		Input: AC/L
Vout +		Output: U _{ouT} +
Vout -		Output: U _{ouт} -

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