

FTPC100V48-S2



Features:

- Constant Voltage design
- European AC input range
- Protections: Overload / Over voltage / Short circuit / Over temperature
- Built-in active PFC function
- Compliance to worldwide regulations for lighting
- Ultra low and narrow shape
- Isolation II class (no PE)

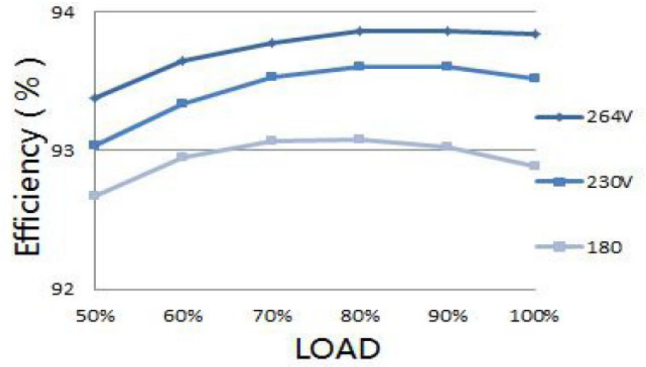
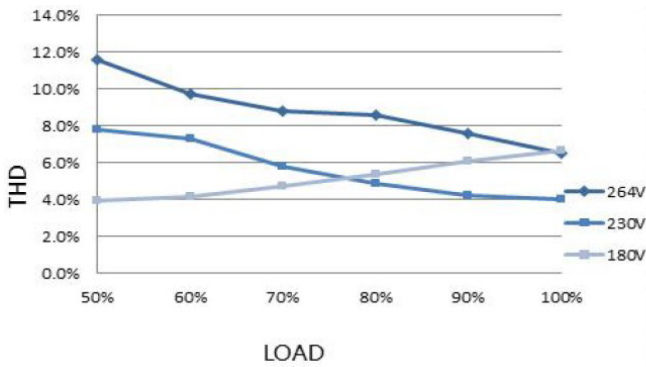
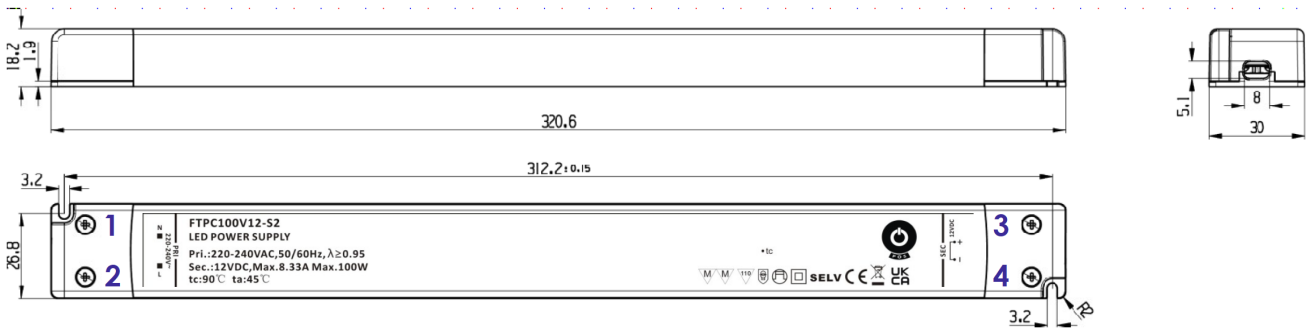


ELECTRICAL SPECIFICATION

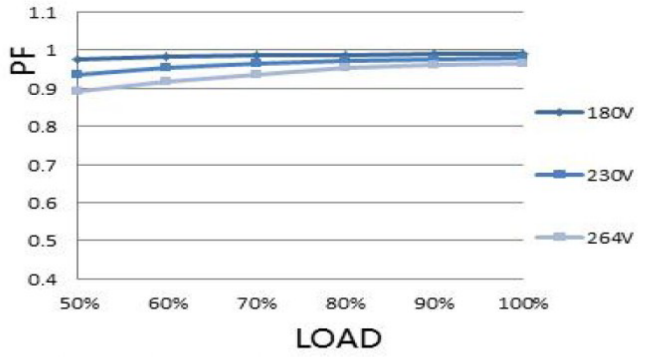
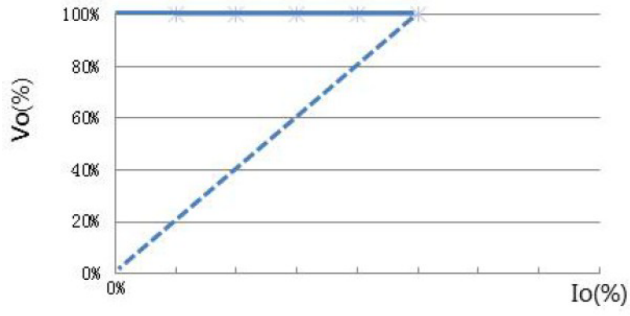
Output Voltage	48V DC
Rated Current	2.08A
Power (W)	100 W
Dimming	No
Voltage Ripple & Noise (max.)	1440mVp-p
Line Regulation	± 1%
Load Regulation	± 1%
Setup, Rise Time	300ms, 100ms
AC input voltage range	European
Protection class	II
PFC	Yes
Efficiency (typ.)	93%
AC Current (typ.)	0.7A
No Load Power Consumption (typ. / max.)	0.4W / 0.5W
Inrush Current (typ.)	60A
IP protection level	IP20
Leakage Current (max.)	0.7mA
Short Circuit protection	Type: hiccup mode, auto-recovery.
Over Current / Overload protection (range)	110%~160%
Over Current / Overload protection	Type: hiccup mode, auto-recovery.
Over Voltage protection	Type: shut down output voltage. Re-power on to recovery.
Over Temperature protection	Type: hiccup mode, auto-recovery.
Working Temperature range	-20°C ÷ +45°C

Working Humidity range	10 ÷ 90% RH non-condensing
Storage Temperature and Humidity	-40°C ÷ +85°C, 5 ÷ 95% RH non-condensing
Safety Standards	EN 61347-2-13, Compliance to EN 61347-1
Withstand Voltage	IN/OUT: 3750VAC / 5mA, 60s
Isolation Resistance	IN/OUT: ≥ 10MΩ / 500VDC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547
Harmonic Current	Compliance to EN61000-3-2 Class C
Dimensions (L x W x H)	320.6 x 30 x 18.2mm
Weight (kg)	0.17
Packing	50pcs./carton
Warranty	5 years
Mounting	surface
Programmable	No

MECHANICAL SPECIFICATION



Typical LED power supply I-V curve



230VAC

