

# Datasheet

## YSL150T-150W Series

**FORTEC**  
UNITED STATES

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INTEGRATED

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UNITED KINGDOM

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**YSL150T-150W** SERIES

**Input: 220-240V 50/60Hz**  
**Output Voltage: 12V,24V,36V,48V**  
**Rated Power: 150W**



**Features**

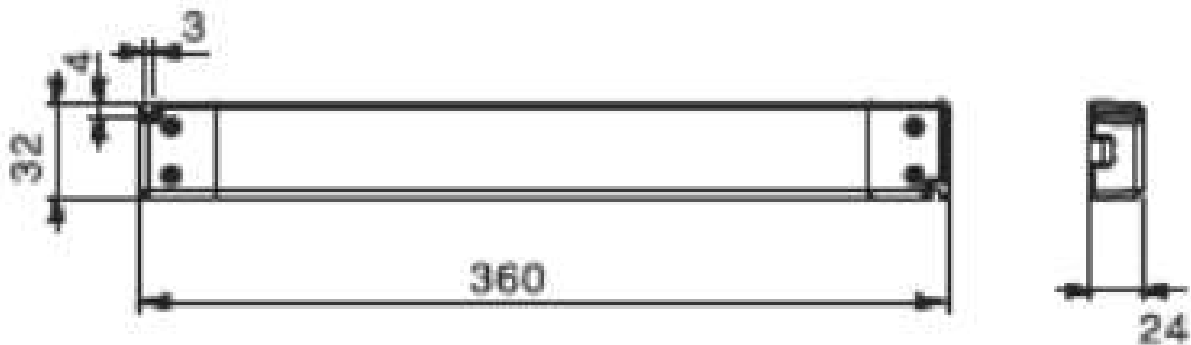
- Independent Linetype Power Supply
- Flicker-free Design
- Terminal block for Quick Connection
- Protections: Over Voltage,Overload,Short Circuit, Over Temperature
- Class II Protection Design
- ERP:EU2019/2020
- RoHS Compliance
- 100% full load burn-in test

**CE SELV RoHS UK CA**

**Application**

- LED strips
- LED indoor lighting
- LED decorative lighting
- LED building lighting

**■ Dimensions and Installation**

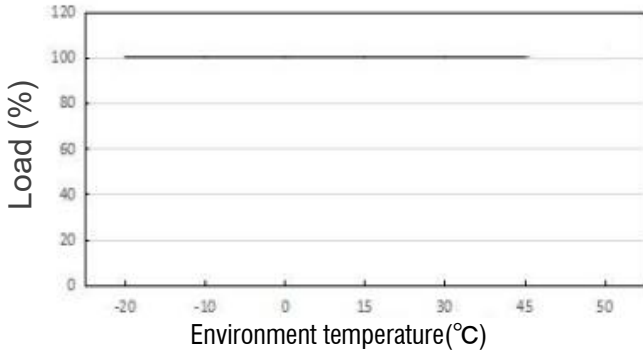


**YSL150T-150W SERIES**

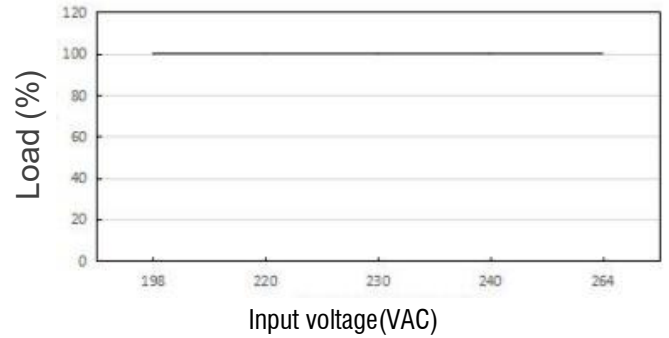
MODEL DETAIL SPEC.		YSL150T-12012500	YSL150T-24006250	YSL150T-36004160	YSL150T-48003125
INPUT	Input Voltage:	220-240VAC			
	Range of Input Voltage:	198-264VAC			
	Input Frequency:	50/60Hz			
	Input Current:	1.4A MAX@Full Load			
	Inrush Current:	< 65 Amps at 230VAC/50Hz@full load			
	Leakage Current:	< 0.25mA/240VAC			
	THD (Full load):	< 20%			
	Unload Power Consumption:	< 0.5W			
	Average Efficiency:	92%			
	Power Factor:	≥0.95@Full Load 220-240VAC			
OUTPUT	DC Voltage:	12V	24V	36V	48V
	Rated Current(Max):	12.5A	6.25A	4.16A	3.125A
	Rated Power(Max):	150W	150W	150W	150W
	Voltage Tolerance:	±5%			
	Ripple and Noise:	400mVp-p	400mVp-p	400mVp-p	400mVp-p
	Line Regulation:	±3%			
	Load Regulation:	±5%			
	Setup, Rise, Hold Up Time:	1s, 10ms/60ms 230VAC @ full load			
ENVIRONMENTAL	Operating Temperature Ta:	-20°C ~ +45°C			
	Storage Temp:	-40°C ~ +85°C			
	Maximum Case Temperature Tc:	+85°C			
	Humidity:	20 ~ 95% RH			
	Lifetime:	>30000hours@ta 40°C			
PROTECTION	Over Load:	Yes ,Above 105%-130% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage:	Yes , 12V:13.8 ~ 16.2V 24V:27.6 ~ 32.4V 36V:41.4~48.6V 48V: 55.2~64.8V Protection type: Shut down o/p voltage, re-power on to recover			
	Short Circuit:	Yes , Protection type:Hiccup mode, recovers automatically after fault condition is removed			
	Over Temperature:	Yes , Protection type: Auto Restore			
	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015+A1:2021;EN62493:2015			
SAFETY & EMC	Withstand Voltage:	I/P-O/P:3750VAC			
	Harmonic:	EN61000-3-2 Class C EN61000-3-3			
	EMI:	Compliance to EN55015			
	EMS:	Compliance to EN61547:2009			
	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient			
OTHER	Case Material and Size:	Plastic			
	IP Grade:	IP20			
	Size:	360*32*24mm			
	Weight:	470g / pcs			
	Packaging:	50PCS/CTN			

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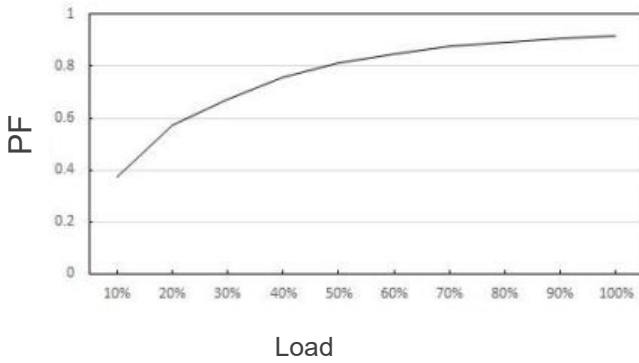
**Deduction Curve and Temperature**



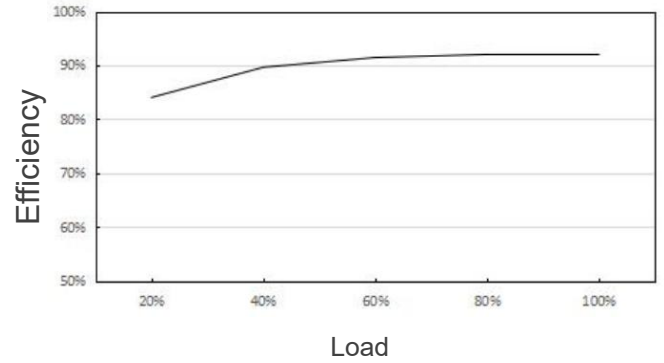
**Minus Output and Input Voltage Curves**



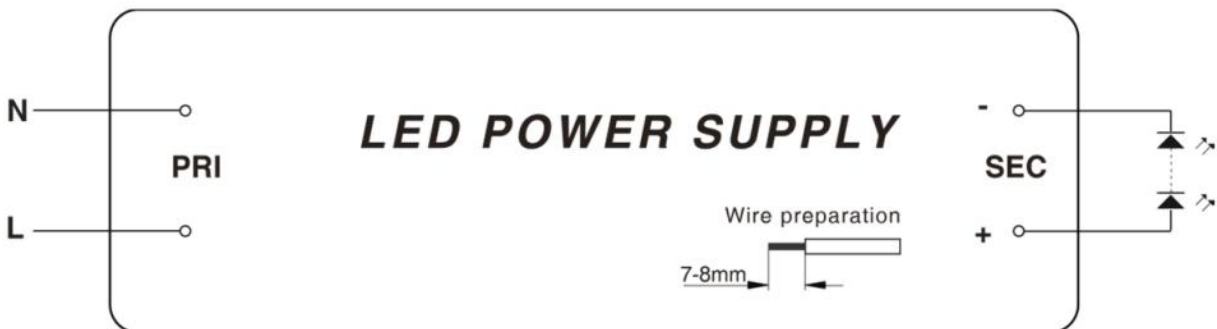
**Power Factor (PF) Curves**



**Efficiency Vs Load**



**Wiring Diagram**



**Manufacturer's address:**

Cuijia, Xidian Town, Ninghai, Ningbo 315613, China

Tel: +86-574-87563856

<https://www.yingjiaodriver.com>

# FORTEC

GROUP

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Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

## FORTEC

GROUP

FORTEC Elektronik AG | Augsburgener Straße 2b | 82110 Germering  
+49 89 894450-0  
[info@fortecag.de](mailto:info@fortecag.de) | [www.fortecag.de](http://www.fortecag.de)

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## FORTEC

INTEGRATED

FORTEC Integrated GmbH | Augsburgener Straße 2b | 82110 Germering  
+49 89 894363-0  
[info@fortec-integrated.de](mailto:info@fortec-integrated.de) | [www.fortec-integrated.de](http://www.fortec-integrated.de)

## FORTEC

POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt  
+49 6158 8285-0  
[weborder@fortec-power.de](mailto:weborder@fortec-power.de) | [www.fortec-power.de](http://www.fortec-power.de)

## FORTEC

EGYPT

FORTEC Electronic Design and Solution Egypt SMLC | Linx Business Park  
Unit B318 | Smart Village | Giza Governorate  
[info@fortec-integrated.de](mailto:info@fortec-integrated.de) | [www.fortec-integrated.de](http://www.fortec-integrated.de)

Autronic Steuer- und Regeltechnik GmbH | Siemensstraße 17  
74343 Sachsenheim  
+49 7147 24-0  
[vertrieb@autronic.de](mailto:vertrieb@autronic.de) | [www.autronic.de](http://www.autronic.de)

## FORTEC

CZECH REPUBLIC

FORTEC Czech Republic s.r.o. | Přátelství 275 | 330 02 Dýšina  
+49 89 894363-0  
[info@fortec.cz](mailto:info@fortec.cz) | [www.fortec.cz](http://www.fortec.cz)

## FORTEC

UNITED STATES

FORTEC United States, Corp. | 87 Raynor Avenue Unit 1 | Ronkonkoma  
NY | 11779 | +1 631 5804360  
[info@fortec.us](mailto:info@fortec.us) | [www.fortec.us](http://www.fortec.us)

## FORTEC

SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos  
+41 44 7446111  
[info@fortec.ch](mailto:info@fortec.ch) | [www.fortec.ch](http://www.fortec.ch)

## FORTEC

UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court  
Hinchingsbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN  
+44 1480 411600  
[info@fortec.uk](mailto:info@fortec.uk) | [www.fortec.uk](http://www.fortec.uk)