

## YSL15T-18W SERIES



**Input: 220-240V 50/60Hz**  
**Output Voltage: 12V,24V,36V,48V**  
**Rated Power: 18W max**

### Features

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



CB  
SCHEME



SELV

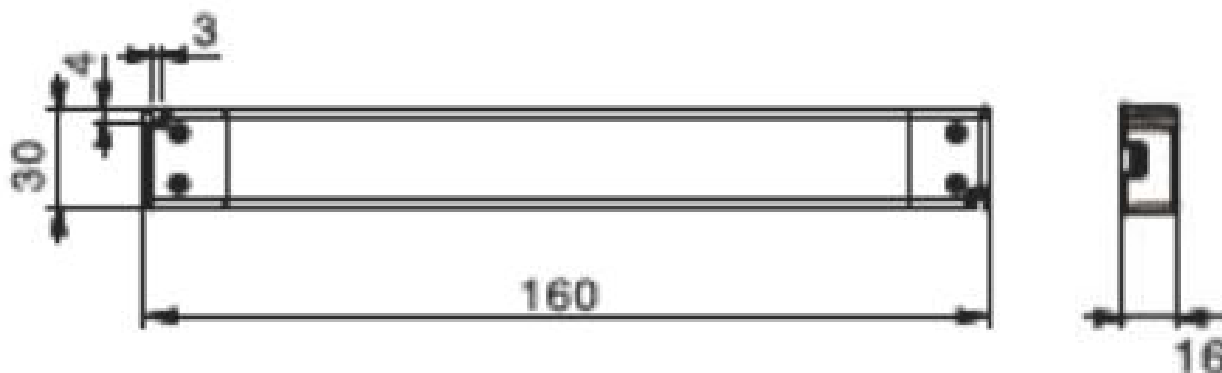
RoHS

UK  
CA

### Application

LED strips  
 LED indoor lighting  
 LED decorative lighting  
 LED building lighting

### ■ Dimensions and Installation

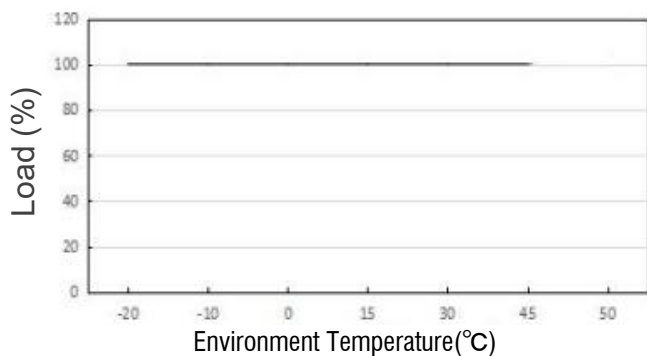


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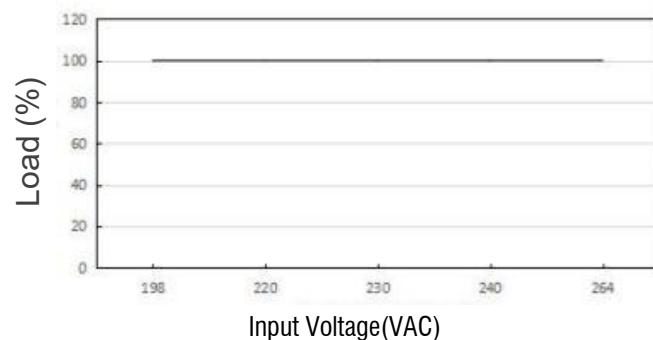
| MODEL DETAIL SPEC. |                              | YSL15T-1201500   | YSL15T-2400750 | YSL15T-3600500 | YSL15T-4800375 |
|--------------------|------------------------------|--|----------------|----------------|----------------|
| INPUT              | Input Voltage:               | 220-240VAC   |                |                |                |
|                    | Range of Input Voltage:      | 198-264VAC   |                |                |                |
|                    | Input Frequency:             | 50/60Hz  |                |                |                |
|                    | Input Current:               | 0.3AMAX@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:          | 88%  |                |                |                |
|                    | Power Factor:                | ≥0.7@Full Load 220-240VAC  |                |                |                |
| OUTPUT             | DC Voltage:                  | 12V  | 24V            | 36V            | 48V            |
|                    | Rated Current(Max):          | 1.5A   | 0.75A          | 0.5A           | 0.375A         |
|                    | Rated Power(Max):            | 18W  | 18W            | 18W            | 18W            |
|                    | 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 |                |                |                |
| SAFETY & EMC       | Over Temperature:            | NO   |                |                |                |
|                    | Safety Regulations:          | EN61347-2-13:2014+A1:2017,EN61347-1:2015+A1:2021;EN62493:2015                              |                |                |                |
|                    | Withstand Voltage:           | I/P-O/P:3750VAC  |                |                |                |
|                    | Harmonic:                    | EN61000-3-2 Class C EN61000-3-3  |                |                |                |
|                    | EMI:                         | Compliance to EN55015  |                |                |                |
| OTHER              | EMS:                         | Compliance to EN61547:2009   |                |                |                |
|                    | MTBF:                        | 200,000 Hours Minimum at Full Load at 25°C Ambient   |                |                |                |
|                    | Case Material and Size:      | Plastic  |                |                |                |
|                    | IP Grade:                    | IP20   |                |                |                |
|                    | Size:                        | 160*30*16mm  |                |                |                |
|                    | Weight:                      | 130g / pcs   |                |                |                |
|                    | Packaging:                   | 100PCS/CTN   |                |                |                |

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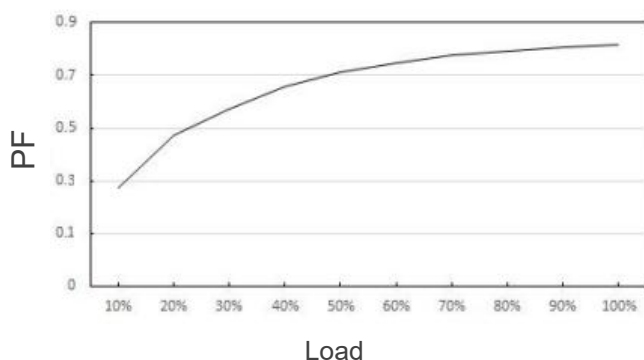
### Deduction Curve and Temperature



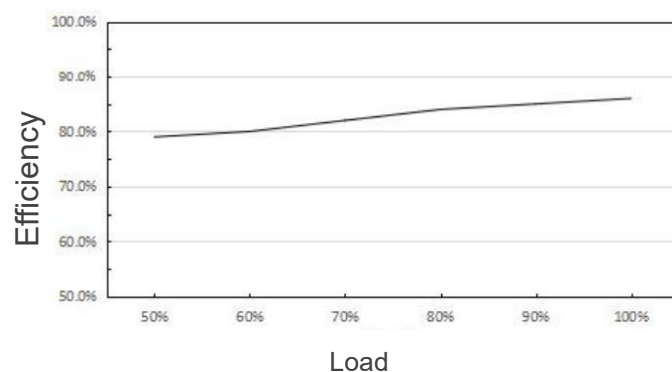
### Minus Output and Input Voltage Curves



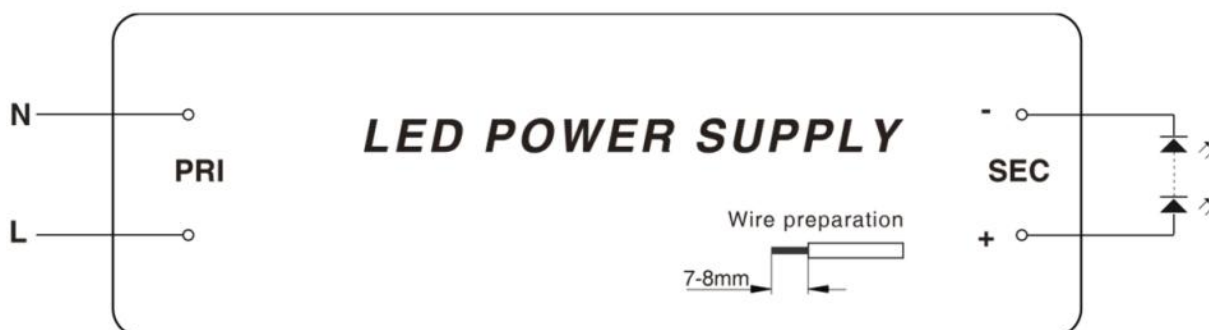
### Power Factor (PF) Curves



### Efficiency Vs Load



### Wiring Diagram



### Manufacturer's address:

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