

ULVU 18W Series

LED Lighting - Standard



▲ ULVUU3018



▲ ULVUL3018



▲ ULVUZ3018



▲ ULVUE3018



▲ ULVUR3018



▲ ULVUA3018



▲ ULVUK3018



▲ ULVUF3018



▲ ULVUG3018



For further information of ULVU 18W series' safety standard, please contact us.



Universal Input



High Efficiency



Reliability SCP



EMC Optimization



Power Factor Correction



RoHS 2 OVP OCP
UNIFIVE Guarantee

Model Name Definition

U x V U x 3 0 1 8 -

① ② ③ ④ ⑤ ⑥ ⑦

Standard Code

● LED

L 61347-1

- ① Developed by UNIFIVE
- ② Standard Code
- ③ Series Code
- ④ Series Code : U / L / Z / E / R
A / K / F / G
- ⑤ Input 100V/240V
- ⑥ Output Power (W)
- ⑦ Detail Information

Highlight

- Product comply IEC 6100-3-2 harmonic restrictions standard that over 5W and under 25W apply for all lighting appliances including LED lighting
- The limited value for LED Driver over 5W and under 25W apply for all lighting appliances including LED lighting. All of over 5W lighting devices are under harmonic restrictions
- Additional under 25W ease requirements (additional item ③ only and item ① & ② same as before)
 - ① Class D
 - ② Judge by waveform phase
 - ③ THD ≤ 70% and basic wave current for 3rd , 5th, 7th, 9th and 11th are under 35%, 25%, 30%, 20% and 20%. The 2nd harmonic under 5%
- Corresponding CV mode, we support customized for C.C. & C.V. mode, C.C. mode only, LED table lamp and LED fluorescent lamp.
- Power Factor Correction
- Suitable for LED Lights

EMS Compliance

- EN55032
- EN61000-3-2
- EN61000-3-3
- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11

Emissions

- FCC-B
- CISPR15
- BS EN55015
- VCCI-B

Immunity

- EN61547
- BS EN61547

Efficiency

- Up to **85%**

Standard*

- Audio / AV / IT
 - 62368-1**
 - 60065-1
 - 60950-1
- LED
 - 61347-1

- PSE

* ULVU 18W series is designed to MEET all standards above.
 **Opt for IEC/UL 62368, other than 60065 and 60950, compliant products for advanced and comprehensive safety protection.

Electrical Spec

Input				
Description	Min.	Typ.	Max.	Units
Voltage	90	100~240	264	Vac
Frequency	47	50/60	63	Hz
Power Factor	ACIN 100V	0.75	-	-
	ACIN 230V	0.75	-	-

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea Level
Storage Temperature	-20	-	65	°C	Free Convection,Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption
ULVUx3018-120015	12.0V	1.5A	±7%	5V	5V	85.0%	0.3W
ULVUx3018-150012	15.0V	1.2A	±7%	5V	5V	85.0%	0.3W
ULVUx3018-190950	19.0V	0.95A	±7%	5V	5V	85.0%	0.3W
ULVUx3018-240750	24.0V	0.75A	±7%	5V	5V	85.0%	0.3W

■ Measurement Condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.

2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec

ULVUU3018 Series	ULVUL3018 Series
ULVUZ3018 Series	ULVUE3018 Series

Mechanical Spec

ULVUR3018 Series	ULVUA3018 Series
<p>Technical drawings of the ULVUR3018 Series showing front, side, and top views. Dimensions include a width of 70.00, a height of 35.00, and a depth of 62.30.</p>	<p>Technical drawings of the ULVUA3018 Series showing front, side, and top views. Dimensions include a width of 70.00, a diameter of Ø38.00, and a depth of 57.00.</p>
ULVUK3018 Series	ULVUF3018 Series
<p>Technical drawings of the ULVUK3018 Series showing front, side, and top views. Dimensions include a width of 70.00, a height of 48.80, and a depth of 51.20.</p>	<p>Technical drawings of the ULVUF3018 Series showing front, side, and top views. Dimensions include a width of 70.00, a height of 35.00, and a depth of 62.30.</p>
ULVUG3018 Series	<p style="text-align: center;">— the following blank —</p>

■ Please contact our sales department for details of each model ■