

LINEAGE™ 96W SERIES

Subcompact | Constant Voltage | Non-Dimmable



Yingjiao's Lineage family of Subcompact Constant Voltage LED Drivers were designed for input voltages 220 through 240VAC and maintains a fully isolated output.

Our small form factor allows easily hidden mounting within a wide variety of applications, while adhering with international safety standards.

We've built-in automated; short circuit, over voltage, over current and over temperature protections.

Each driver undergoes rigorous testing, and a full load burn in.

Features



Subcompact Size



Class II Power Supply



IP44 Rated Case With
Silicone-Based Potting



5 Year Warranty



90°C Maximum
Case Temperature



EU Safety Approvals

Model Information

Yingjiao Part Number	Input Voltage (Vac)	Output Power Max (W)	Nominal Voltage Output (Vdc)	Iout Max (A)	Safety, EMC Compliance
SLCV-100-12E	220-240	96	12	8	CE
SLCV-100-24E	220-240	96	24	4	CE
SLCV-100-36E	220-240	96	36	2.66	CE
SLCV-100-48E	220-240	96	48	2	CE

Input

Input Voltage :	220-240V
Range of Input Voltage :	198-264V
Frequency Range:	47/63Hz
Input Current:	0.7 A @230VAC
Power Factor (PF):	>0.9@Full Load 220-240V
Inrush Current:	< 100A@230VAC
Leakage Current:	800 uA @ 230 Vac
Efficiency:	>92%
THD:	<20%
No Load Power Consumption:	<0.5W

Output

Output Voltage:	12V	24V	36V	48V
Output Current:	8A	4A	2.66A	2A
Ripple Range:	$\leq 3\%$			
Start-up Time:	<0.5s			
SVM :	≤ 0.4			
Pst :	≤ 1			
Line Regulation:	$\pm 3\%$			
Load Regulation:	$\pm 5\%$			
Voltage Tolerance:	$\pm 5\%$			

Protection

Over Load Protection:	105 -150% Protection type: Auto Restore
Over Voltage Protection:	105 -130% Protection type: Auto Restore
Short Circuit Protection:	Protection type: Auto Restore
Warranty:	5 Years
Surge Capacity:	L-N : 1000V

Environment

Working Temperature	-20°C - +40°C
Relative Humidity	Operating 10 to 90% RH (Non-Condensing) Storage 5 to 95% RH (Non-Condensing)
Environmental Locations	Dry & Damp
Storage Temperature	-40°C - +85°C
HSF requirement	Reach, RoHS
Lifetime	≥ 30000h@Tc=85 °C ,full load

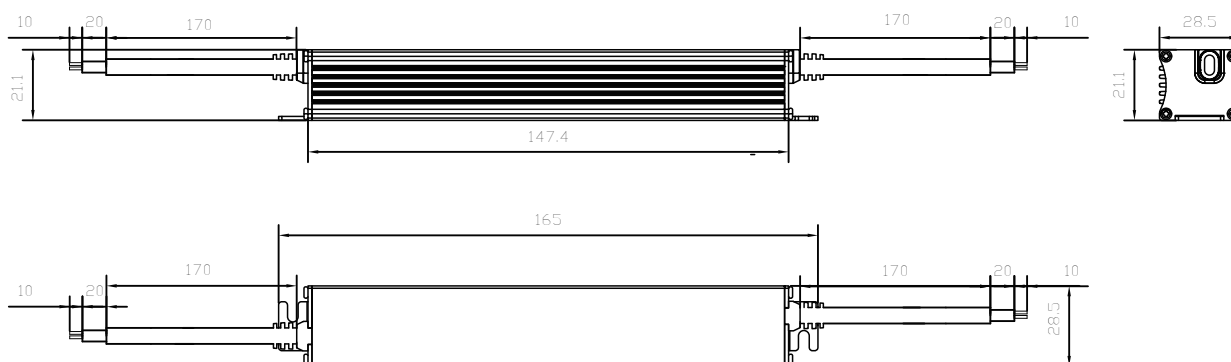
Safety and Electromagnetic Compatibility

Certifications:	CE
Safety Standards:	Equipment for Lighting Applications; EN61347-2-13 Electronic Control Gear for LED Modules
Withstand Voltage :	I/P-O/P: 3750VAC
EMI:	Compliant with EN55015 (EMC compliance) at 230 Vac
EMS:	EN 61000-4-2; Performance Criteria B EN 61000-4-5; Performance Criteria C

Dimensions & Weight

Length:	165mm / 6.50 in
Width:	28.5mm / 1.12 in
Height:	21.1mm / 0.83 in
Weight:	125g

Spec Drawing



H05VV-F 2X0.75mm² 200mm
N:Blue
L:Brown

H05VV-F 2X0.75mm² 200mm
LED+: Red
LED-: Black

Label

YINGJIAO® Constant Voltage LED Driver L: Brown N: Blue AC INPUT: 220-240V~0.7A 50/60Hz λ±0.9 Manufacturer: Ninghai Yingjiao Electrical Co., Ltd. Made in China YYYYYMM		Model: SLCV-100-12E DC OUTPUT: Max Current: 8.0A Maximum Power: 96W Regulated Voltage: 12Vdc to: 85°C to: 40°C LED+: Red LED-: Black
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YINGJIAO® Constant Voltage LED Driver L: Brown N: Blue AC INPUT: 220-240V~0.7A 50/60Hz λ±0.9 Manufacturer: Ninghai Yingjiao Electrical Co., Ltd. Made in China YYYYYMM		Model: SLCV-100-24E DC OUTPUT: Max Current: 4.0A Maximum Power: 96W Regulated Voltage: 24Vdc to: 85°C to: 40°C LED+: Red LED-: Black
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YINGJIAO® Constant Voltage LED Driver L: Brown N: Blue AC INPUT: 220-240V~0.7A 50/60Hz λ±0.9 Manufacturer: Ninghai Yingjiao Electrical Co., Ltd. Made in China YYYYYMM		Model: SLCV-100-36E DC OUTPUT: Max Current: 2.66A Maximum Power: 96W Regulated Voltage: 36Vdc to: 85°C to: 40°C LED+: Red LED-: Black
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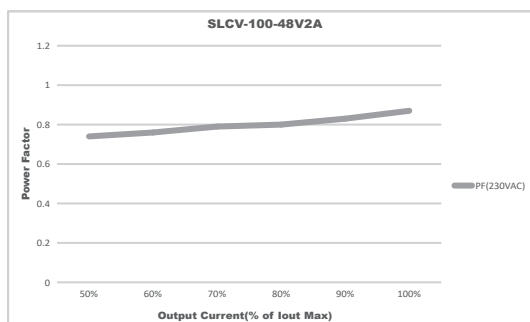
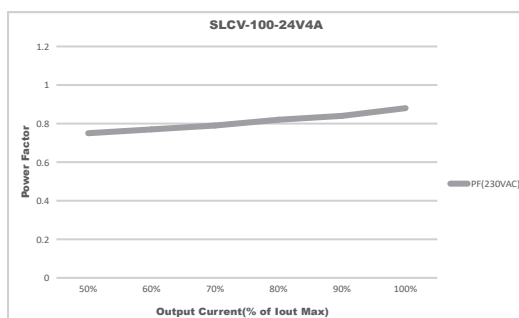
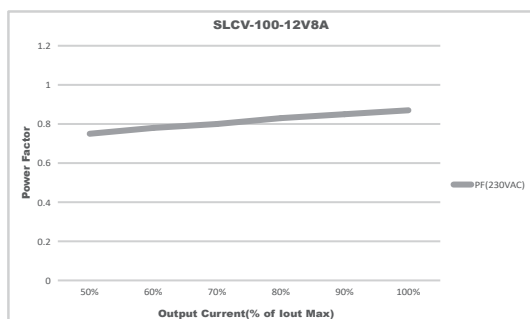
YINGJIAO® Constant Voltage LED Driver L: Brown N: Blue AC INPUT: 220-240V~0.7A 50/60Hz λ±0.9 Manufacturer: Ninghai Yingjiao Electrical Co., Ltd. Made in China YYYYYMM		Model: SLCV-100-48E DC OUTPUT: Max Current: 2.0A Maximum Power: 96W Regulated Voltage: 48Vdc to: 85°C to: 40°C LED+: Red LED-: Black
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Packing

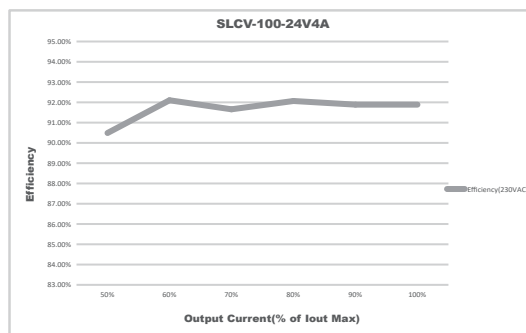
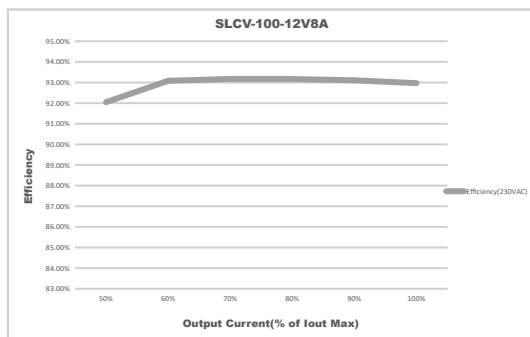
Length x Width x Height:	165 x 28.5 x 21.1mm
	6.5 x 1.12 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm
	16.93 x 10.83 x 12.99 in
Master Carton Quantities:	50pcs / Carton

Feature Curves

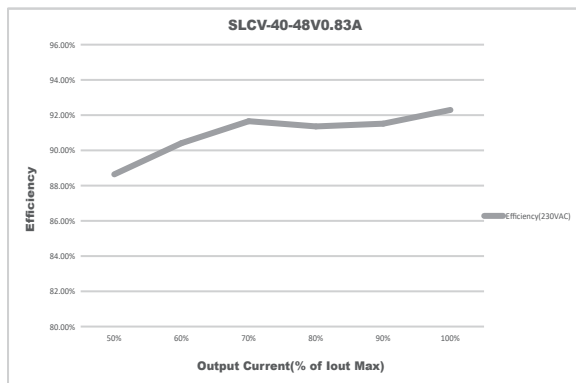
1. PF Curve



2. Efficiency Curve



Feature Curves



3. Driver Lifetime vs. Case Temperature

