

# LINEAGE™ 40W 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-40-12E	220-240	40	12	3.3	CE
SLCV-40-24E	220-240	40	24	1.67	CE
SLCV-40-36E	220-240	40	36	1.11	CE
SLCV-40-48E	220-240	40	48	0.83	CE

## Input

Input Voltage :	220-240V
Range of Input Voltage :	198-264V
Frequency Range:	47/63HZ
Input Current:	0.4 A @ 230 Vac
Power Factor (PF):	>0.9@Full Load 220-240V
Inrush Current:	< 60A@230VAC
Leakage Current:	690 uA @ 230 Vac
Efficiency:	89%@Full Load 12V    89.5%@Full Load 24V 89.5%@Full Load 36V    90%@Full Load 48V
THD:	< 20%
No Load Power Consumption:	< 0.5W

## Output

Output Voltage:	12V    24V    36V    48V
Output Current:	3.3A    1.67A    1.11A    0.83A
Voltage Tolerance:	± 5%
Ripple Range:	≤ 3%
Start-up Time:	< 0.5s
SVM :	≤ 0.4
Pst :	≤ 1
Line Regulation:	± 3%
Load Regulation:	± 5%

## Protection

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

## Environment

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

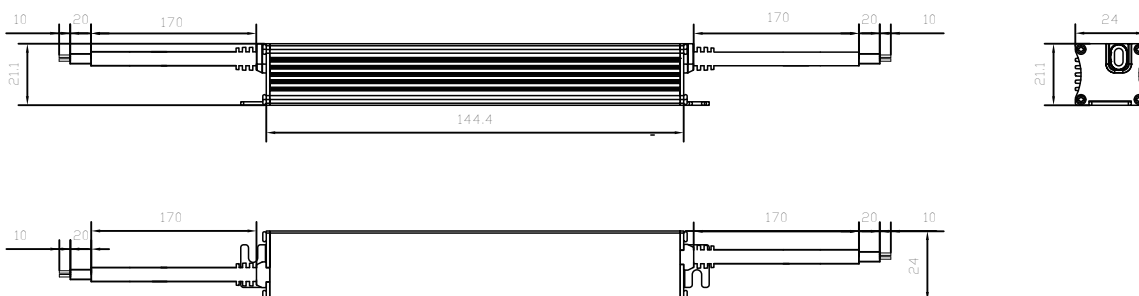
## Safety and Electromagnetic Compatibility

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

## Dimensions & Weight

Length:	144.4mm / 5.69in
Width:	24mm / 0.94 in
Height:	21.1mm / 0.83 in
Weight:	92g

## Spec Drawing



H05VV-F 2X0.75mm<sup>2</sup> 200mm

N:Blue

L:Brown

H05VV-F 2X0.75mm<sup>2</sup> 200mm

LED+: Red

LED-: Black

## Label

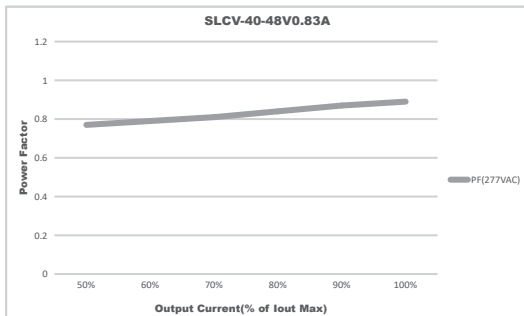
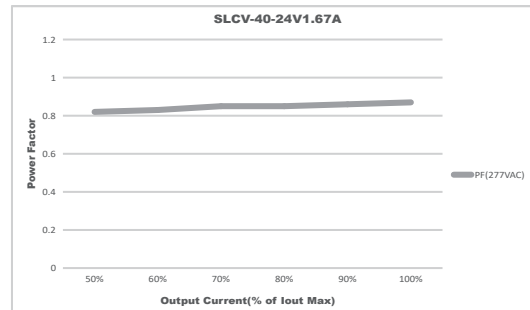
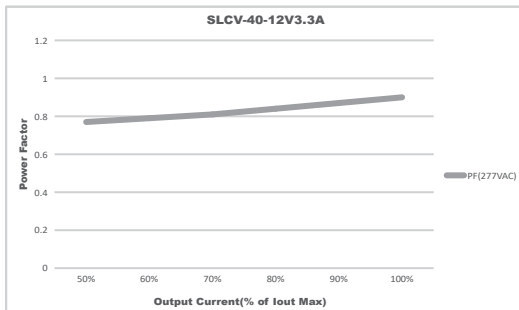
<b>YINGJIAO® Constant Voltage LED Driver</b> <b>N: Blue</b> <b>L: Brown</b>		<b>Model:SLCV-40-12E</b> <b>DC OUTPUT:</b> Max Current: 3.3A Maximum Power: 40W Regulated Voltage: 12Vdc tc:85°C ta:40°C		<b>LED+: Red</b> <b>LED-: Black</b>
AC INPUT: 220-240V~0.4A 50/60Hz λ≥0.9		CE, RoHS, SELV IP44, Made in China YYY.MM		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China
<b>YINGJIAO® Constant Voltage LED Driver</b> <b>N: Blue</b> <b>L: Brown</b>		<b>Model:SLCV-40-24E</b> <b>DC OUTPUT:</b> Max Current: 1.67A Maximum Power: 40W Regulated Voltage: 24Vdc tc:85°C ta:40°C		<b>LED+: Red</b> <b>LED-: Black</b>
AC INPUT: 220-240V~0.4A 50/60Hz λ≥0.9		CE, RoHS, SELV IP44, Made in China YYY.MM		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China
<b>YINGJIAO® Constant Voltage LED Driver</b> <b>N: Blue</b> <b>L: Brown</b>		<b>Model:SLCV-40-36E</b> <b>DC OUTPUT:</b> Max Current: 1.11A Maximum Power: 40W Regulated Voltage: 36Vdc tc:85°C ta:40°C		<b>LED+: Red</b> <b>LED-: Black</b>
AC INPUT: 220-240V~0.4A 50/60Hz λ≥0.9		CE, RoHS, SELV IP44, Made in China YYY.MM		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China
<b>YINGJIAO® Constant Voltage LED Driver</b> <b>N: Blue</b> <b>L: Brown</b>		<b>Model:SLCV-40-48E</b> <b>DC OUTPUT:</b> Max Current: 0.83A Maximum Power: 40W Regulated Voltage: 48Vdc tc:85°C ta:40°C		<b>LED+: Red</b> <b>LED-: Black</b>
AC INPUT: 220-240V~0.4A 50/60Hz λ≥0.9		CE, RoHS, SELV IP44, Made in China YYY.MM		Address:Cuijia Village,Xidian Town,Ninghai County,Ningbo 315613,P.R.China

# Packing

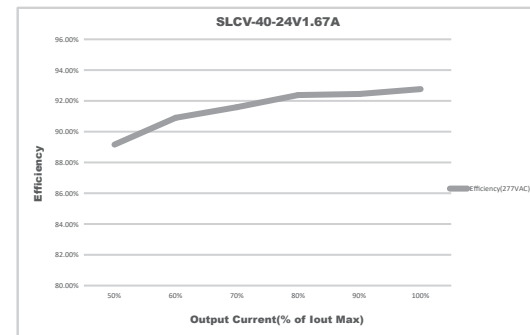
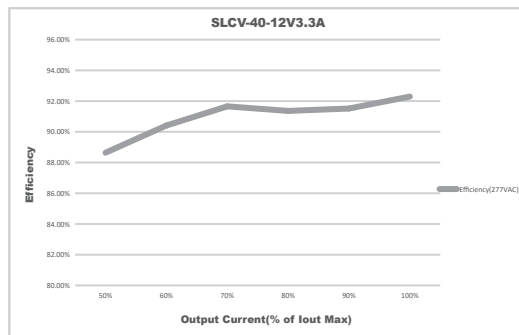
Length x Width x Height:	144.4x 24 x 21.1 mm
	5.69 x 0.94 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm
	16.93 x 10.83 x 12.99 in
Master Carton Quantities:	100pcs / Carton

## Feature Curves

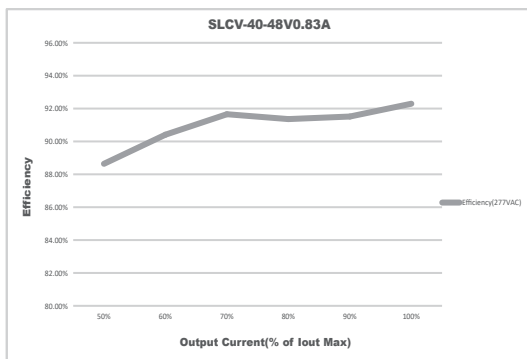
### 1. PF Curve



### 2. Efficiency Curve



## Feature Curves



### 3. Driver Lifetime vs. Case Temperature

