

LINEAGE™ 40W SERIES

Subcompact | Constant Voltage | Non-Dimmable



Yingjiao's Lineage family of Subcompact Constant Voltage LED Drivers were designed for input voltages 120 through 277VAC 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



UL Class P Power Supply



IP44 Rated Case With
Silicone-Based Potting



5 Year Warranty
(Minimum at 70°C Tc)



90°C Maximum
Case Temperature



Worldwide
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-40-12	120-277	40	12	3.3	UL, cUL, FCC
SLCV-40-24	120-277	40	24	1.67	UL, cUL, FCC
SLCV-40-36	120-277	40	36	1.11	UL, cUL, FCC
SLCV-40-48	120-277	40	48	0.83	UL, cUL, FCC

Input

Voltage Range:	120 - 277V
Frequency Range:	47 / 63HZ
Input Current:	0.5 A @ 115 Vac 0.3 A @ 230 Vac 0.2 A @ 270 Vac
Power Factor (PF):	>0.9
Inrush Current:	Meets NEMA-410 requirements
Leakage Current:	400 uA @ 120 Vac Measured per IEC60950-1 690 uA @ 230 Vac Measured per IEC60950-1 900 uA @ 277 Vac Measured per IEC60950-1
Efficiency:	>89%
THD:	<20%

Output

Output Voltage:	12V 24V 36V 48V
Output Current:	3.3A 1.67A 1.11A 0.83A
Ripple Range:	≤ 5%
Start-up Time:	<0.5s

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 at Tc 70°C

Environment

Working Temperature	-20°C - +50°C
Working Humidity	20% - 95% RH
Case Temperature (for UL)	+90°C
Case Temperature (for warranty)	+70°C
Relative Humidity	Operating 10 to 90% RH (Non-Condensing) Storage 5 to 95% RH (Non-Condensing)
Environmental Locations	UL Dry & Damp
Storage Temperature	-40°C - +85°C
HSF requirement	Reach, RoHS

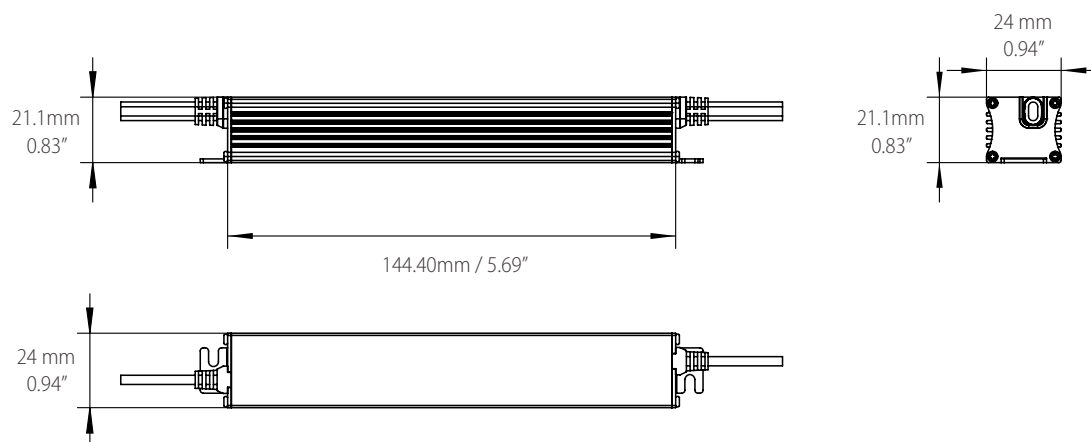
Safety and Electromagnetic Compatibility

Certifications:	UL, cUL, CE, FCC
Safety Standards:	UL8750 listed Class P; CAN/CSA C22.2 No. 250.13-14 LED equipment for lighting applications; EN61347-2-13 electronic control gear for LED Modules
EMI:	Compliant with FCC CFR Title 47 Part 15 Class B at 120 Vac & Class A at 277 Vac; 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:	144.4mm / 5.69in
Width:	24mm / 0.94 in
Height:	21.1mm / 0.83 in
Weight:	92g

Spec Drawing



Label

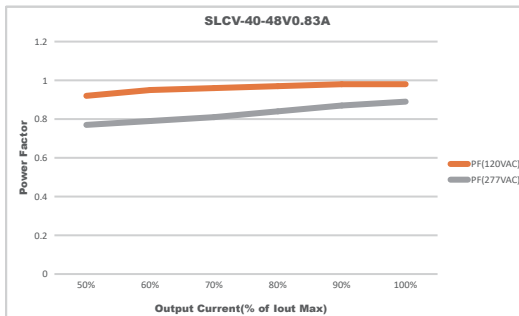
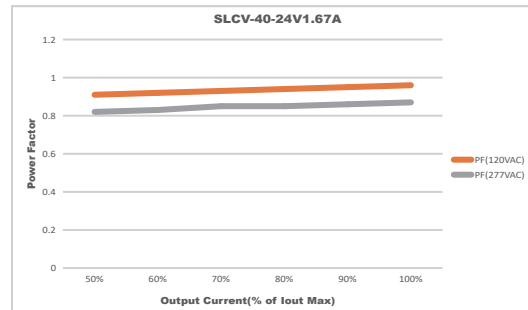
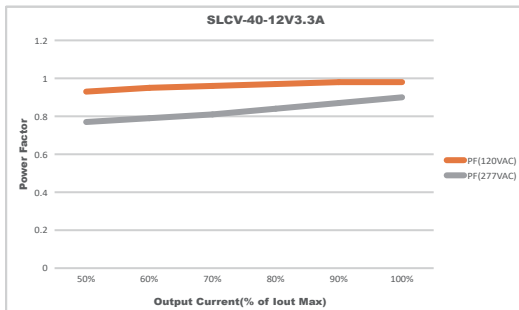
 Model:SLCV-40-12 Constant Voltage LED Driver Suitable for Dry or Damp Locations	AC INPUT: 120/277V~ 0.5A 50/60Hz $\lambda \geq 0.9$ THD $\leq 20\%$ L: Black N: White	   Class 2 Made in China	DC OUTPUT: Max Current: 3.3A Maximum Power: 40W Regulated Voltage: 12Vdc • tC LED+: Red LED-: Blue
 Model:SLCV-40-24 Constant Voltage LED Driver Suitable for Dry or Damp Locations	AC INPUT: 120/277V~ 0.5A 50/60Hz $\lambda \geq 0.9$ THD $\leq 20\%$ L: Black N: White	   Class 2 Made in China	DC OUTPUT: Max Current: 1.66A Maximum Power: 40W Regulated Voltage: 24Vdc • tC LED+: Red LED-: Blue
 Model:SLCV-40-36 Constant Voltage LED Driver Suitable for Dry or Damp Locations	AC INPUT: 120/277V~ 0.5A 50/60Hz $\lambda \geq 0.9$ THD $\leq 20\%$ L: Black N: White	   Class 2 Made in China	DC OUTPUT: Max Current: 1.11A Maximum Power: 40W Regulated Voltage: 36Vdc • tC LED+: Red LED-: Blue
 Model:SLCV-40-48 Constant Voltage LED Driver Suitable for Dry or Damp Locations	AC INPUT: 120/277V~ 0.5A 50/60Hz $\lambda \geq 0.9$ THD $\leq 20\%$ L: Black N: White	   Class 2 Made in China	DC OUTPUT: Max Current: 0.83A Maximum Power: 40W Regulated Voltage: 48Vdc • tC LED+: Red LED-: Blue

Packing

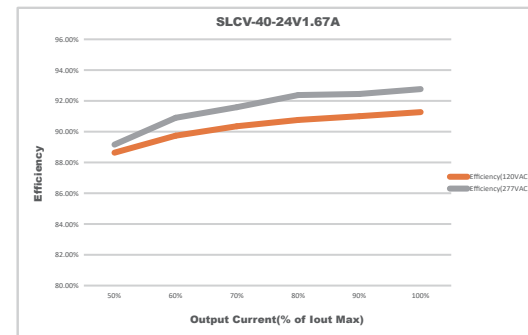
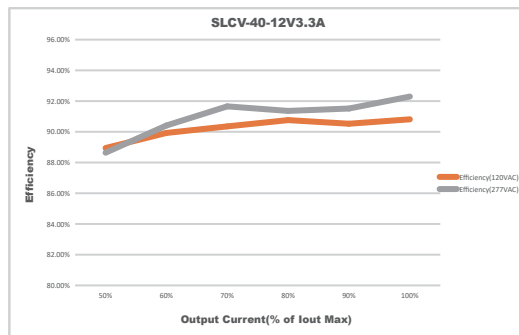
Length x Width x Height:	144.4x 24 x 21.1 mm
	5.69 x 0.94 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm
	16.93 x 10.83 x 12.99 in
Master Carton Quantities:	100pcs / Carton

Feature Curves

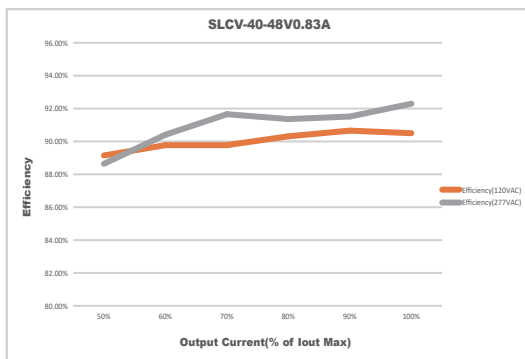
1. PF Curve



2. Efficiency Curve



Feature Curves



3. Driver Lifetime vs. Case Temperature

