

LINEAGE™ 96W SERIES

Subcompact | Constant Voltage | 0-10V Dimming



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



0-10V Dimming



IP65 Rated Case with
Silicone-based Potting



UL Class P Power Supply



90°C Maximum
Case Temperature



5 Year Warranty
(Minimum at 70°C Tc)

Model Information

Yingjiao Part number	Input Voltage (Vac)	Output Power Max (w)	Nominal Voltage Output (Vdc)	Iout Max (A)	Dimming Method	Safety,EMC Compliance
SLCV-100-1208300-D	120-277	96	12	8.3	0-10V	UL, cUL, FCC
SLCV-100-2404160-D	120-277	96	24	4.16	0-10V	UL, cUL, FCC
SLCV-100-3602770-D	120-277	96	36	2.7	0-10V	UL, cUL, FCC
SLCV-100-4802080-D	120-277	96	48	2.08	0-10V	UL, cUL, FCC

Input

Voltage Range:	120-277V
Frequency Range:	47/63HZ
Input Current:	1.05 A @ 115 Vac 0.58 A @ 230 Vac 0.48 A @ 270 Vac
Power Factor (PF):	>0.9
Inrush Current:	Meets NEMA-410 requirements
Leakage Current:	400 uA @ 120 Vac Measured per IEC60950-1 780 uA @ 230 Vac Measured per IEC60950-1 900 uA @ 277 Vac Measured per IEC60950-1
Efficiency:	>92%
THD:	<20%

Output

Output Voltage:	12V 24V 36V 48V
Output Current:	8.3A 4.16A 2.76A 2.08A
Ripple Range:	≤5%
Start-up Time:	<0.5s
Dimming Range:	1%-100%

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

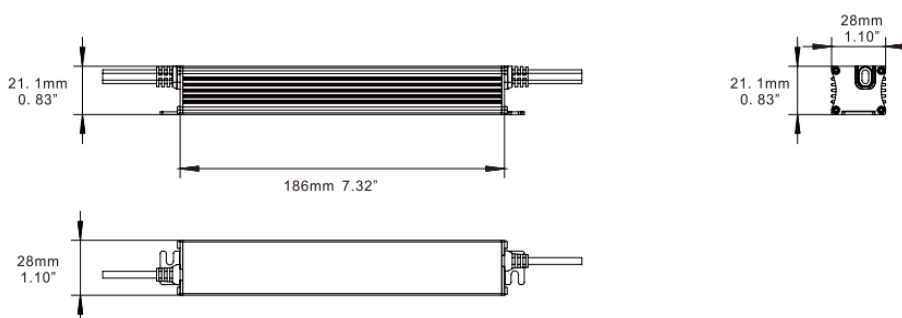
Safety and Electromagnetic Compatibility

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:	186mm / 7.32in
Width:	28mm / 1.10in
Height:	21.1mm / 0.83 in
Weight:	125g

Spec Drawing



Label

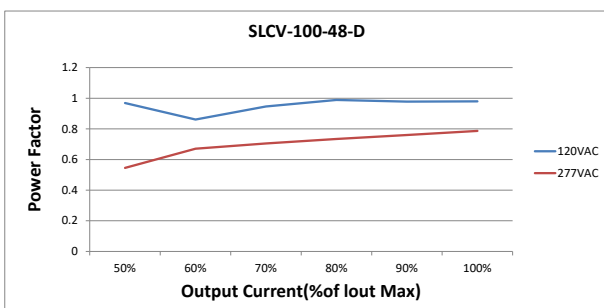
YINGJIAO® Model:SLCV-100-12-D Dimmable Constant Voltage LED Driver Suitable for Operation with a 0-10 v Dimmer Only Suitable for Dry or Damp Locations	AC INPUT: 120-277V~1.1A 50/60Hz λ≥0.9 THD≤20% L: Black N: White	www.YingjiaoDriver.com Class 2 Made In China	DC OUTPUT: Max Current: 83A ≡ Maximum Power:96W Regulated Voltage:12Vdc 0-10v dimming •tc + :RED + DIM: Purple - :BLACK - DIM: Pink
YINGJIAO® Model:SLCV-100-24-D Dimmable Constant Voltage LED Driver Suitable for Operation with a 0-10 v Dimmer Only Suitable for Dry or Damp Locations	AC INPUT: 120-277V~1.1A 50/60Hz λ≥0.9 THD≤20% L: Black N: White	www.YingjiaoDriver.com Class 2 Made In China	DC OUTPUT: Max Current: 4.16A ≡ Maximum Power:96W Regulated Voltage: 24Vdc 0-10v dimming •tc + :RED + DIM: Purple - :BLACK - DIM: Pink
YINGJIAO® Model:SLCV-100-36-D Dimmable Constant Voltage LED Driver Suitable for Operation with a 0-10 v Dimmer Only Suitable for Dry or Damp Locations	AC INPUT: 120-277V~1.1A 50/60Hz λ≥0.9 THD≤20% L: Black N: White	www.YingjiaoDriver.com Class 2 Made In China	DC OUTPUT: Max Current: 2.76A ≡ Maximum Power:96W Regulated Voltage: 36Vdc 0-10v dimming •tc + :RED + DIM: Purple - :BLACK - DIM: Pink
YINGJIAO® Model:SLCV-100-48-D Dimmable Constant Voltage LED Driver Suitable for Operation with a 0-10 v Dimmer Only Suitable for Dry or Damp Locations	AC INPUT: 120-277V~1.1A 50/60Hz λ≥0.9 THD≤20% L: Black N: White	www.YingjiaoDriver.com Class 2 Made In China	DC OUTPUT: Max Current: 2.08A ≡ Maximum Power:96W Regulated Voltage:48Vdc 0-10v dimming •tc + :RED + DIM: Purple - :BLACK - DIM: Pink

Packing

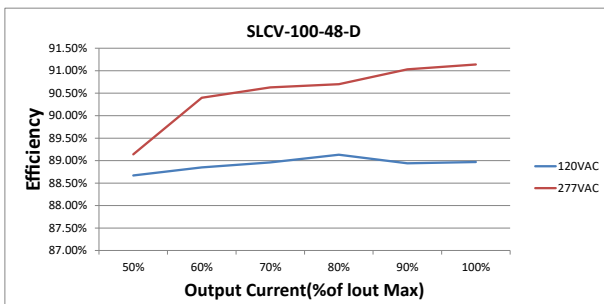
Length x Width x Height:	186x 28 x 21.1 mm
	7.32 x 1.10 x 0.83 in
Carton Size:	43 x 27.5 x 33 cm
	16.93 x 10.83 x 12.99 in
Master Carton Quantities:	50pcs / Carton

Feature Curves

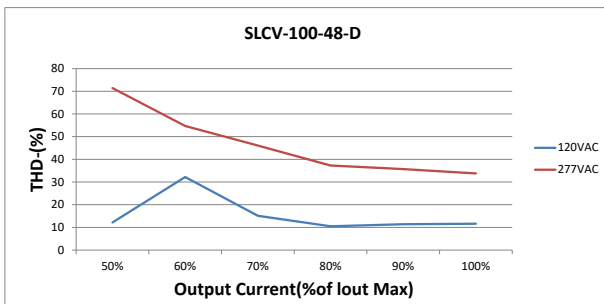
1. PF Curve



2. Efficiency Curve

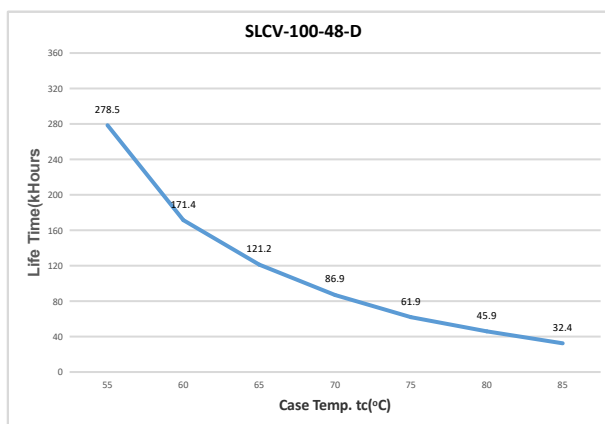


3. THD



Feature Curves

4. Driver Lifetime vs. Case Temperature



5. Dimming Curve - Dimming Voltage vs. Output Voltage

