
Specification Data

公司名称	
Espen Generic Part No.	
Espen Generic Model No.	VEL100240MVHDA-10V-P-AUX

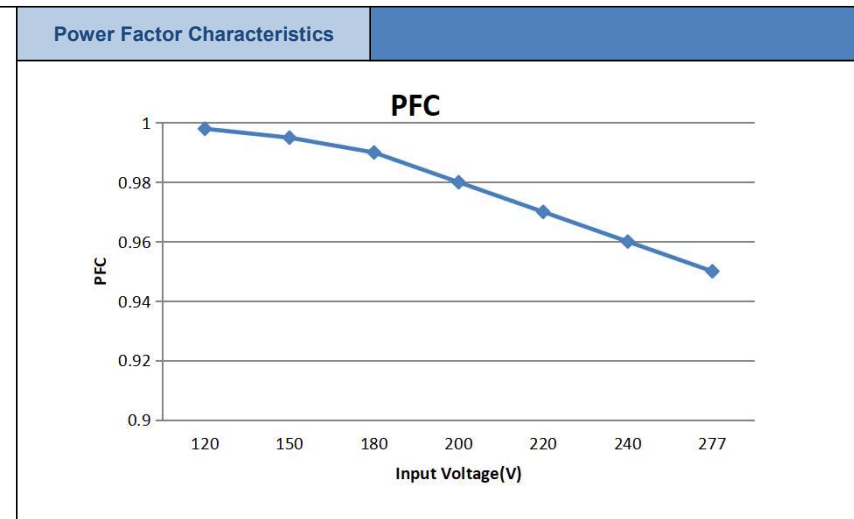
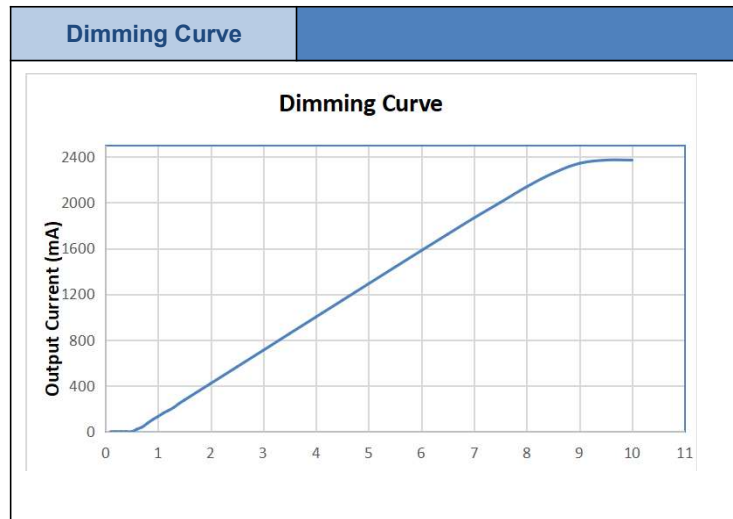
Output	Rated Current	2400mA	
	Operating Voltage Range (min. ~ max.)	35-41V	
	Rated Power (Max @ W)	100W	
	Output Current ripple(ripple = pk-pk/avg)	10%	
	Start Time (Max. ms @ VAC)	<1000ms / @ 120VAC @ rated load	
	Output Current Regulation (%)	± 5%	
	Output Dimming Range (%)	10%-100%	
Output (Auxiliary Power Supply)	Output Voltage	12Vdc ± 5% @ Normal Model	
	Max. Load Current	100mA	
Input	Frequency Range	50 / 60 Hz	
	Input Voltage Range (±10%)	120-277 VAC (±10%)	
	Power Factor (Min.)	0.9 at full load	
	THD (Max.)	20%	
	Efficiency (typ. %@277VAC full load)	87%	
	Input AC Current (Max. @ VAC)	1.1A @120V at full load	
	Inrush Current (Max.)	277VAC @ 25 DEG C: <70Amp peak	
	Leakage Current (Max. @ VAC)	0.75mA @ 277Vac	
General Specifications		Data	Notes
	Dimming Type	DC DIMMING	0-10V
	Dimming Range	10% ~ 100%	
	Dimming to off threshold	0.5V ± 0.1V	
	0-10v Dimming Interface Current	<2mA	
	MTBF	>200,000hrs	calculated to MIL-HDBK217F @ 25 DEG C. rated load. Ground Benign.
	Max. Case Temp.	90°C	
	Life Rating (@ 100%Load, @ 85°C Tc.)	50,000 hours	Measured at 120/277VAC, 100% load, 85°C Tc.
	Warranty	5-years Limited Warranty	

Protection	Type	
	Over Power	The driver always works within a safe working area power curve
	No Load Voltage	<60VDC
	Short Circuit	Current limit protection
	Input Transient Protection	Power supply shall comply with IEEE C.62.41-1991, Class A operation. The line transient shall consist of seven strikes of a 100 kHz ring wave, 2.5kV level for both common mode and differential mode.
	Others	No load protection
Environmental	Operating Temperature (min. ~ max.)	-30 ~ +50°C
	Storage Temperature (min. ~ max.)	-40~ +85°C
	Operating Humidity	20 ~ 95% RH
	Storage Humidity	10 ~ 95% RH
	Temperature Coefficient (%/C)	±0.03% / °C (0~50°C)
	Application	For Dry and Damp locations.
	Audible sound Level	<24dB
Safety & EMC	Safety Standards	UL, cUL, UL8750 Class 2; UL1310; CSA C22.2 No. 250.13-12, Class P
	EMI/EMC Standards	FCC Part 15 Class B

The diagram consists of two parts: a line drawing and a wiring diagram.

Line Drawing: Shows the physical dimensions of the LED strip light. The top view is a rectangle with a length of 241.3mm and a width of 12.2mm. The bottom view shows a length of 212.1mm and a width of 22.24mm. The drawing also indicates mounting holes with a diameter of 3.18mm and a hole spacing of 4.12mm. The bottom view shows a single wire extending from the end of the strip.

Wiring Diagram: Shows the electrical connections for the LED strip light. The input wires are labeled: Black (Line), White (Neutral), and Blue (-). The output wires are labeled: Red (+), Yellow (Aux 12V+), Black (Aux 12V-), Gray (DIM-), and Purple (DIM+). The output wires are connected to a 0-10V Dimmer.



Dimmer Compatability List	Dimmer Manufacturer	Dimmer Model No.
	LUTRON	DVSTV
	LEVITON	IP710-DL