



Specification Data

Espen Generic Part No.	
Espen Generic Model No.	VEL40080MVHDA-10V-80



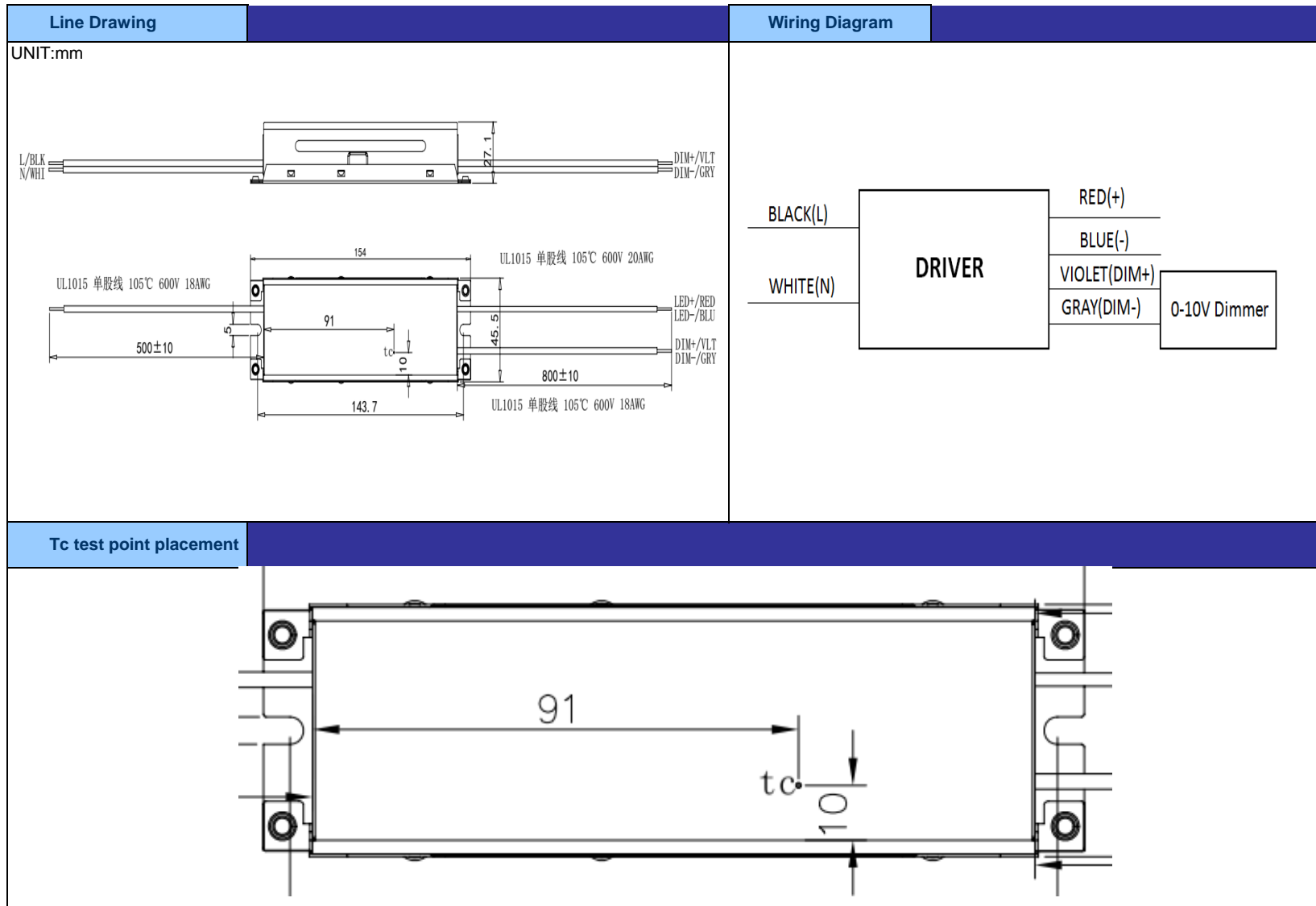
Output	Rated Current	800mA
	Operating Voltage Range (min. ~ max.)	26-42V
	Rated Power (Max @W)	34W
	Output Current ripple(ripple = pk-pk/avg)	<u>20%@800mA</u>
	Start Time (Max. ms @ VAC)	<500ms@120VAC
	Output Current Regulation (%)	±5%
	Output Dimming Range (%)	10% ~ 100%

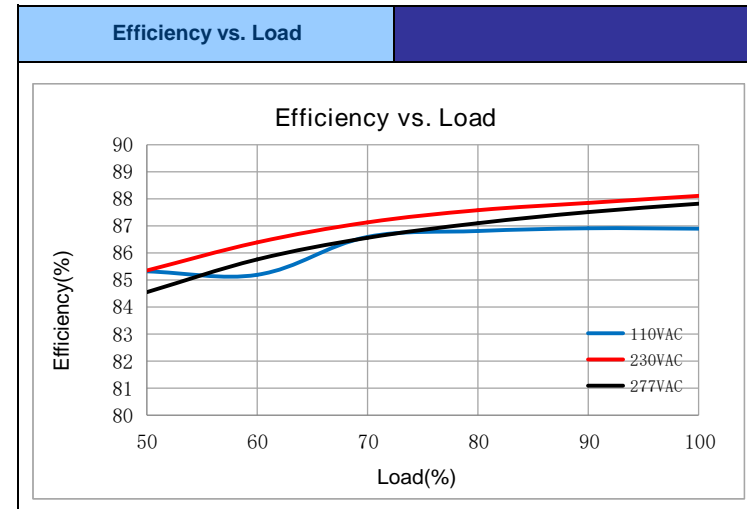
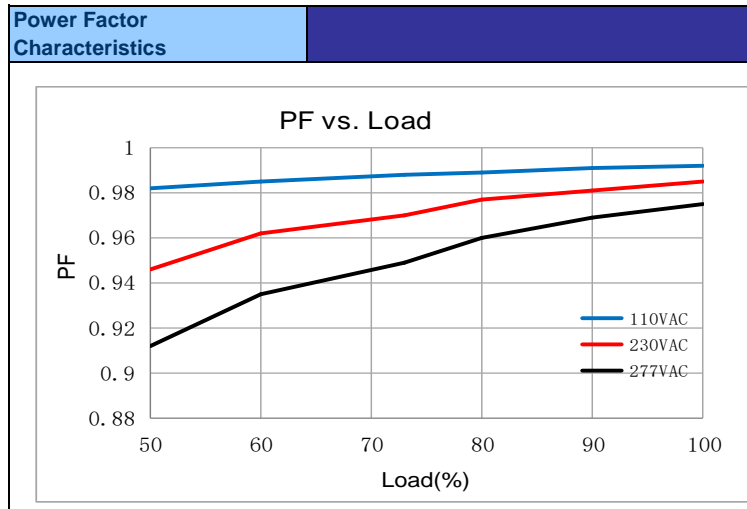
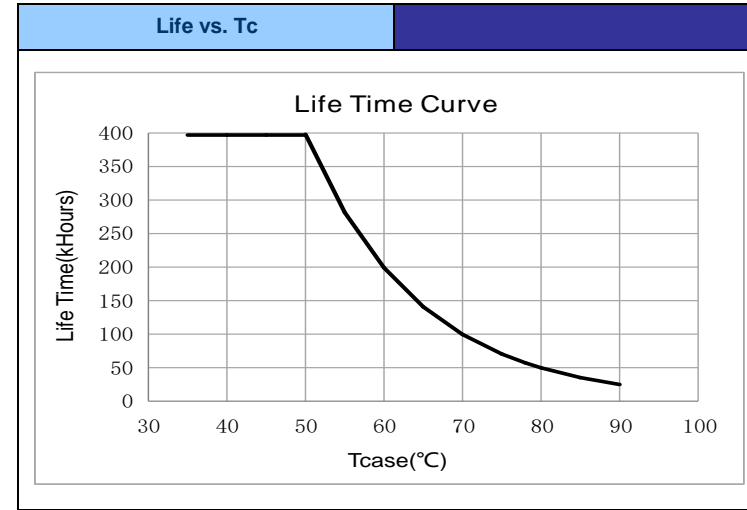
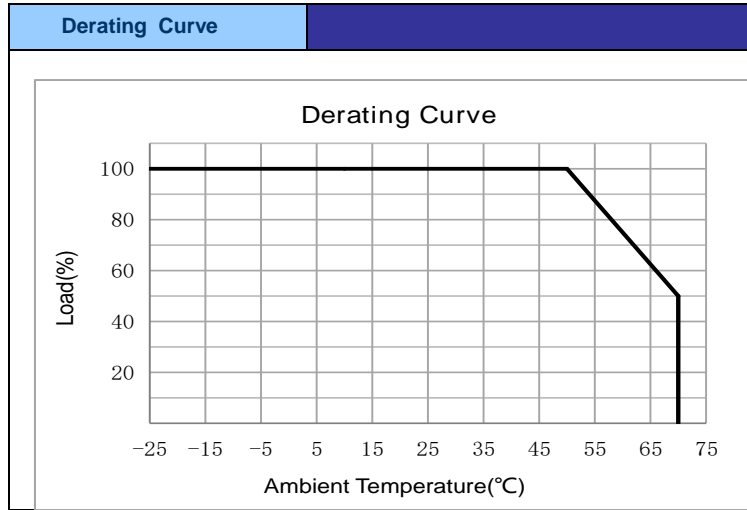
Input	Frequency Range	47-63 Hz
	Input Voltage Range	120-277 VAC (±10%)
	Power Factor (Min.)	0.9
	THD (Max.)	20%
	Efficiency (typ. @ full load)	>85%
	Input AC Current (Max. @ VAC)	0.5A @ 120VAC at Full Load
	Inrush Current (Max.)	70A@277VAC (cold start)
	Leakage Current (Max. @ VAC)	0.75mA@277VAC

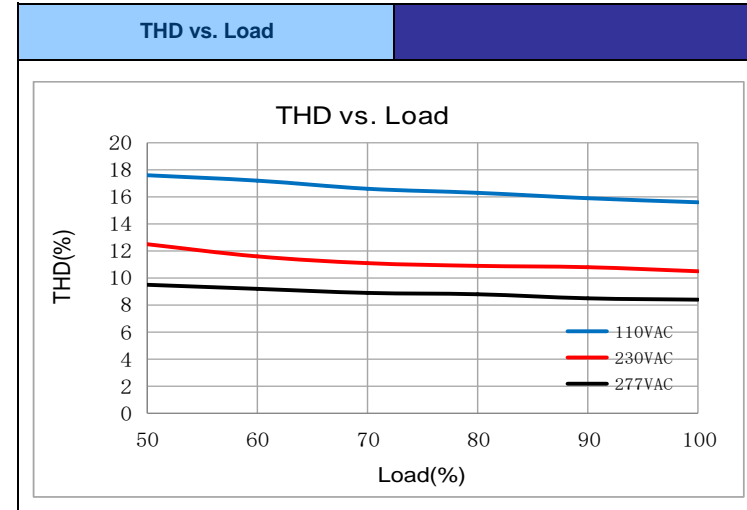
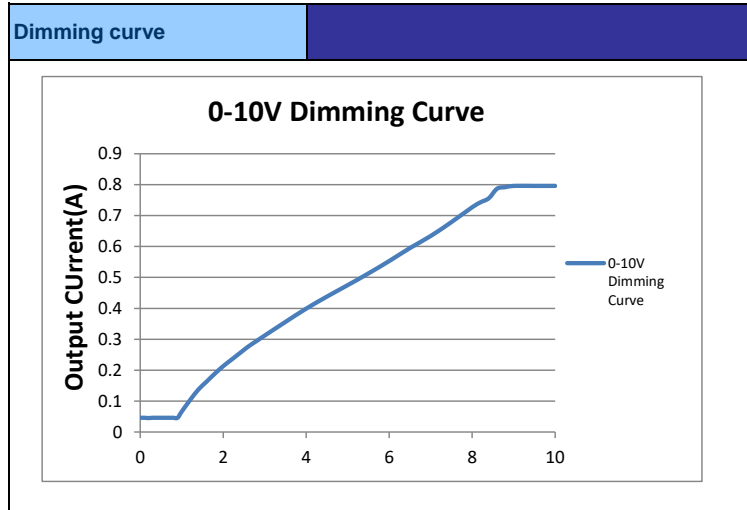
General Specifications		Data	Notes
	Dimming Type	DC DIMMING	1~10V
	Dimming Range	10% ~ 100%	
	0-10v Dimming Interface Current	<2mA	
	MTBF	>200,000 hours	measured at 120VAC, Full load, 25°C ambient temperature MIL-HDBK-217F(25°C)
	Max. Case Temp.	90°C	
	Life Rating (@ 100%Load, @ 70°C Tc.)	100,000 hours	measured at 120VAC, 100% Load, 70°C Tc
	Warranty	5-years Limited Warranty	



Protection	Type					
	No Load Voltage (% min. ~ max.)	Vomax ~ 120% Vomax				
	Over Voltage Protection	Vomax ~ 120% Vomax				
	Short Circuit Protection	Disconnect the power to restart after fault condition is removed				
	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						
Environmental	Operating Temperature (min. ~ max.)	-25 ~ +70°C (Detail refer to derating curve)				
	Storage Temperature (min. ~ max.)	-30~ +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 location				
Safety & EMC	Safety Standards	CUL/UL, UL8750, CAN/CSA-C22.2 No. 250.13				
	EMI/EMC Standards	FCC Part 15B				
Physical Parameters		L	W	H	M	
	Dimensions (mm)	154	45.5	27.1		
	Net Weight (g.)	330				
	Input Leads (AWG, Length)	Line	Black single 18AWG 105°C 600V length 500mm(+/-15mm) wire stripping 10mm(+/-1mm)			
		Neutral	White single 18AWG 105°C 600V length 500mm(+/-15mm) wire stripping 10mm(+/-1mm)			
	Output Leads (Color, AWG, Length)	Positive	Red single 20AWG 105°C 600V length 800mm(+/-15mm) wire stripping 10mm(+/-1mm)			
		Negative	Blue single 20AWG 105°C 600V length 800mm(+/-15mm) wire stripping 10mm(+/-1mm)			
		Dimming+	Violet single 18AWG 105°C 600V length 800mm(+/-15mm) wire stripping 10mm(+/-1mm)			
		Dimming-	Gray single 18AWG 105°C 600V length 800mm(+/-15mm) wire stripping 10mm(+/-1mm)			
	Packaging		QTY/CTN	Dimensions (in.)	Weight (lbs.)	







Dimmer Compatibility List	Dimmer Manufacturer	Dimmer Model No.