



Specification Data

公司名称	
Espen Generic Part No.	
Espen Generic Model No.	VEL80XXXMVHDA-10V-P-1(35)

客户盖章回签		
确认	审核	批准

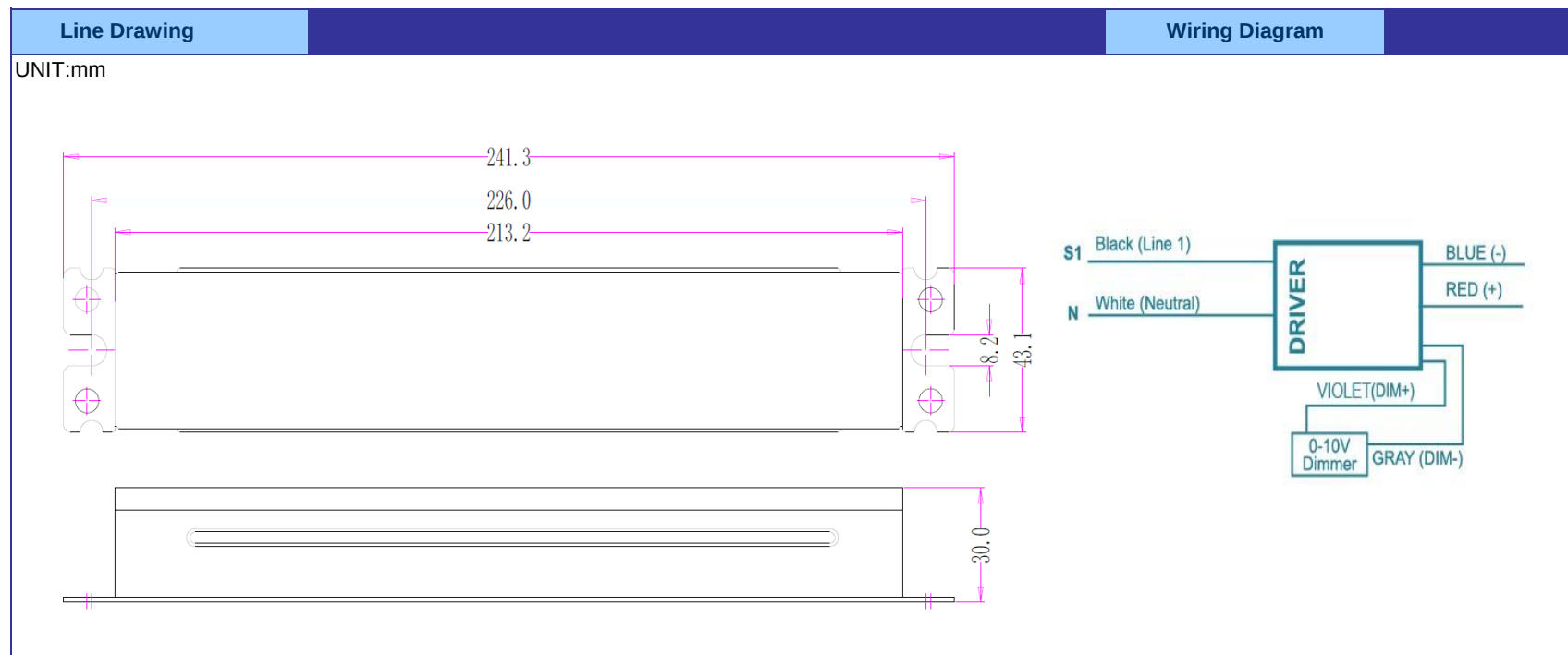
Output	Output Current Range	1000-2800 mA				
	Operating Voltage Range (min. ~ max.)	28-50V				
	Rated Power (Max @W)	80W Max.				
	Output Current ripple(ripple = pk-pk/avg)	10%				
	Start Time (Max. ms @ VAC)	<1000ms / @ 120Vac/277Vac				
	Output Current Regulation (%)	± 5%				
	Output Dimming Range (%)	10%~100%				

Input	Frequency Range	47 ~ 63 Hz				
	Input Voltage Range (±10%)	120 ~277VAC (±10%)				
	Power Factor (Min.)	0.9 at full load				
	THD (Max.)	20%				
	Efficiency (typ. %@120/277V at full load)	85.0%				
	Input AC Current (Max. @ VAC)	0.9A @ 108VAC at full load				
	Inrush Current (Max.)	70A @277VAC (cold start, µs at 50% Ipeak)				
	Leakage Current (Max. @ VAC)	0.75mA / 277VAC				

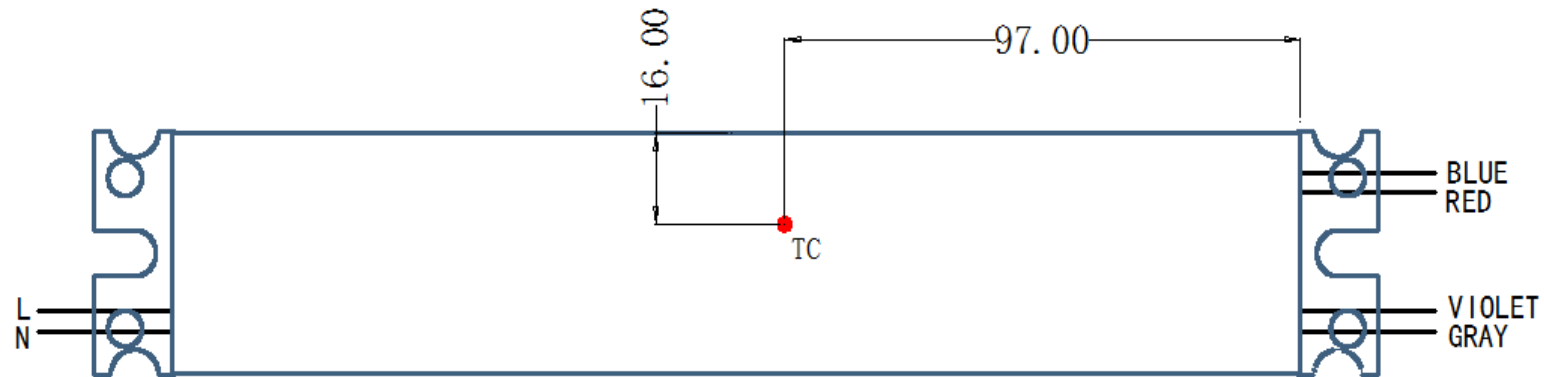
General Specifications		Data	Notes
	Dimming Type	DC DIMMING	0~10V
	Dimming Range	10% ~ 100%	
	0-10v Dimming Interface Current	<2mA	
	MTBF	>200,000 hours	Measured at 120VAC, 80% load, 25°C ambient (MIL-HDBK-217F)
	Max. Case Temp.	90°C	
	Life Rating (@ 100%Load, @ 85°C Tc.)	50,000 hours	Measured at 120/277VAC, 100% load, 85°C Tc.
	Warranty	5-years Limited Warran	

Protection	Type	
	Over Power	The driver always works within a safe working area power curve
	Short Circuit	Disconnect the power to restart after fault condition is removed
	No Load Voltage (% min. ~ max.)	Vomax ~ 110% Vomax
	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	SCP, OVP
Environmental	Operating Temperature (min. ~ max.)	-30 ~ +55°C
	Storage Temperature (min. ~ max.)	-40~ +80°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	UL, cUL, UL8750 Class 2,Class P
	Audible sound Level	<24dB (30 cm)
	EMI/EMC Standards	FCC Part 15 Class B, Compliance to EN 61547/1995+A1/2000

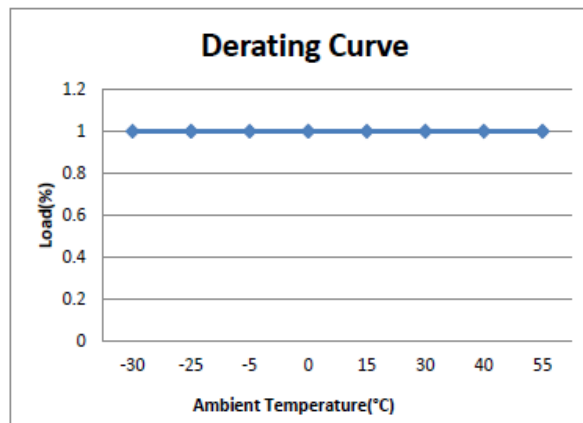
		L	W	H	M	R	case type
Physical Parameters	Dimensions (mm)	241.3	43.1	30	226		35
	Net Weight (g.)	560g.					
	Input Leads (AWG, Length)	Line	Black single 18AWG 105°C 600V length 500mm(+/-25mm) wire stripping 10mm(+/-1mm)				
		Neutral	White single 18AWG 105°C 600V length 500mm(+/-25mm) wire stripping 10mm(+/-1mm)				
		Positive	Red single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 9mm(+/-1mm)				
		Negative	Blue single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 9mm(+/-1mm)				
		Dimming+	Violet single 18AWG 105°C 600V length 800mm(+/-25mm) wire stripping 10mm(+/-1mm)				
		Dimming-	Gray single 18AWG 105°C 600V length 800mm(+/-25mm) wire stripping 10mm(+/-1mm)				
Packaging		QTY/CTN		Dimensions (in.)		Weight (lbs.)	



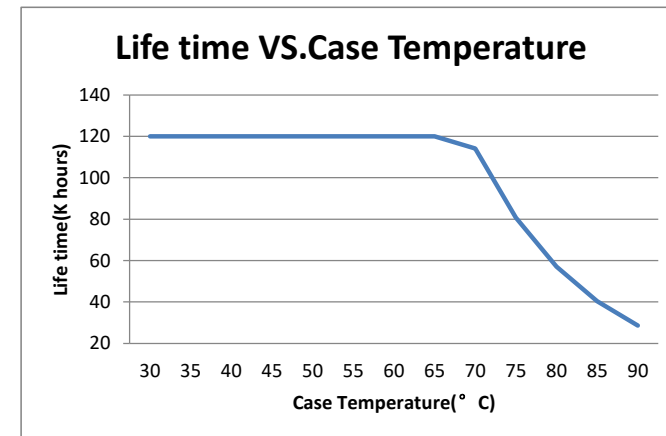
Tc test point placement



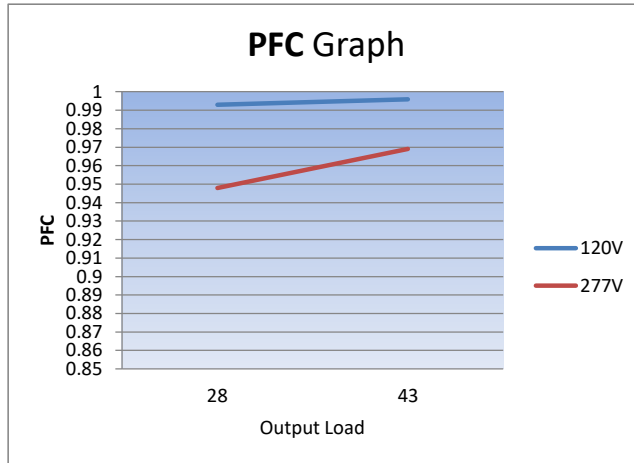
Derating Curve



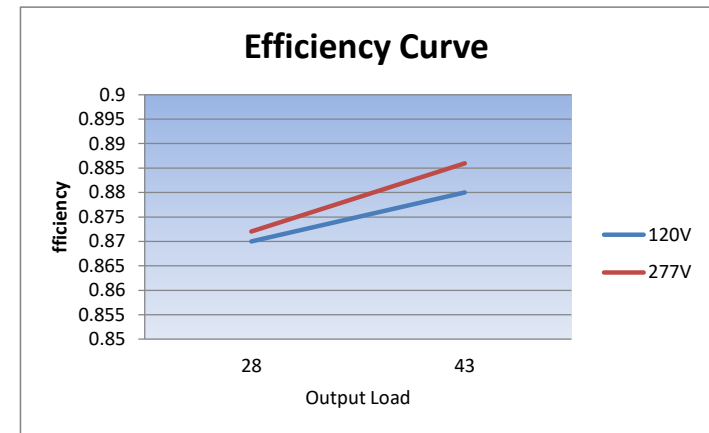
Life vs. Ambient Temp



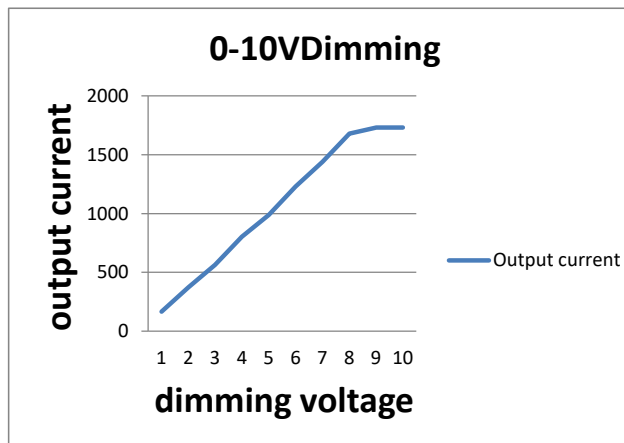
Power Factor Characteristics



Efficiency vs. Load



Dimming curve





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