



Specification Data

Espen Generic Part No.	0202000010
Espen Generic Model No.	VPL50-085-MVHDA-PD-1C (27)

Output	Rated Current	850mA					
	Operating Voltage Range (min. ~ max.)	28-55V					
	Rated Power (Max @W)	49.1W					
	Output Current ripple(ripple = pk-pk/avg)	6%@850mA					
	Start Time (Max. ms @ VAC)	1000ms / @ 120VAC @ rated load					
	Output Current Regulation (%)	± 5%					
	Output Dimming Range (%)	10%~100%					
	Frequency Range	47 ~ 63 Hz					



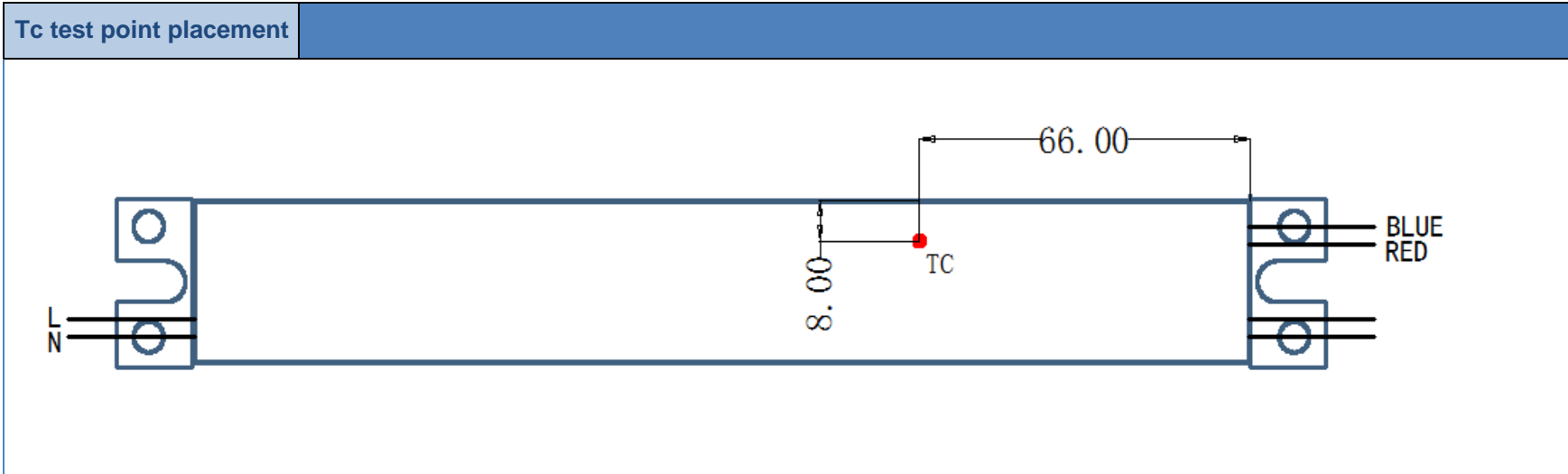
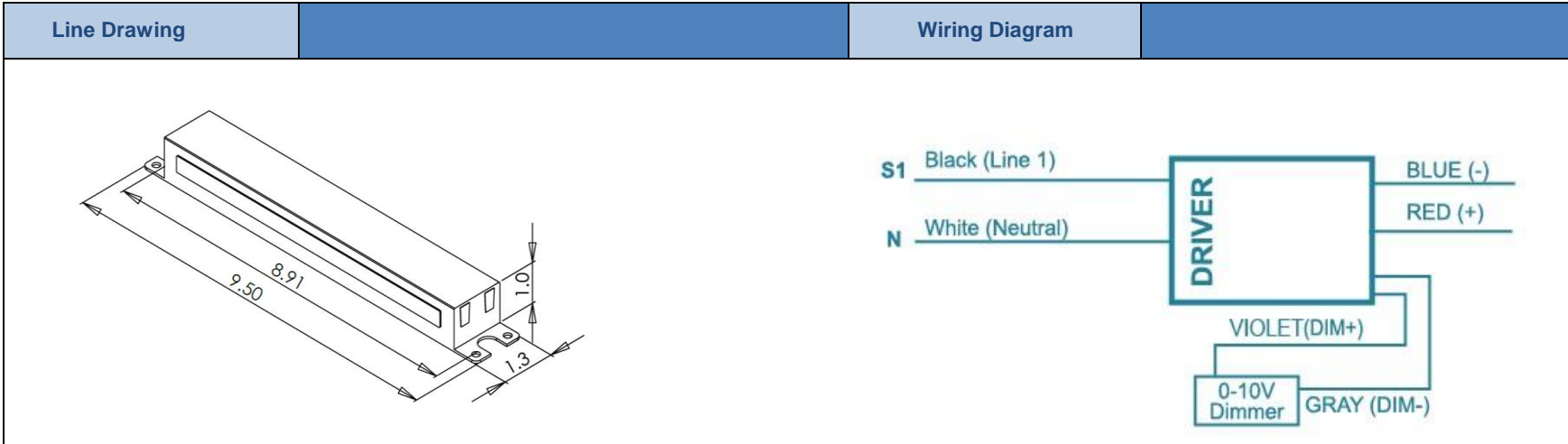
Input	Input Voltage Range (±10%)	120-277 VAC (±10%)	
	Power Factor (Min.)	0.9 at full load	
	THD (Max.)	20%	
	Efficiency (typ. %@120VAC)	85.0%	
	Input AC Current (Max. @ VAC)	0.45A @ 120VAC at full load	
	Inrush Current (Max.)	277VAC @ 25 DEG C: <28Amp peak	
	Leakage Current (Max. @ VAC)	1.5mA / 120VAC	

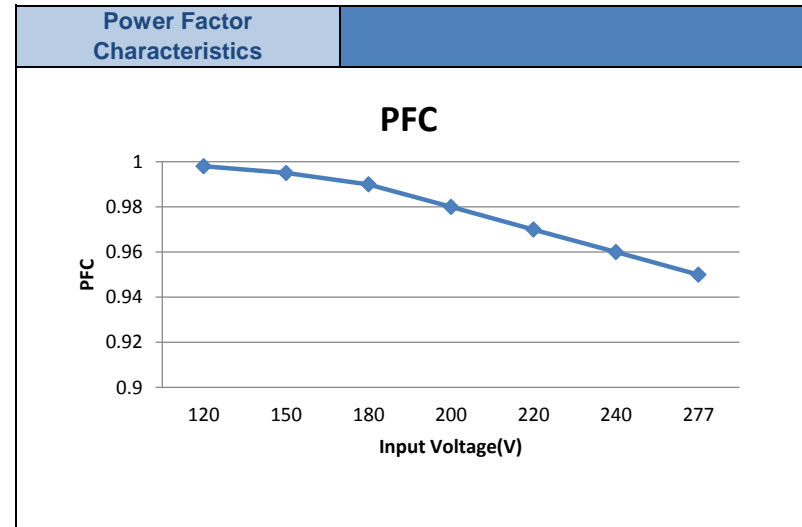
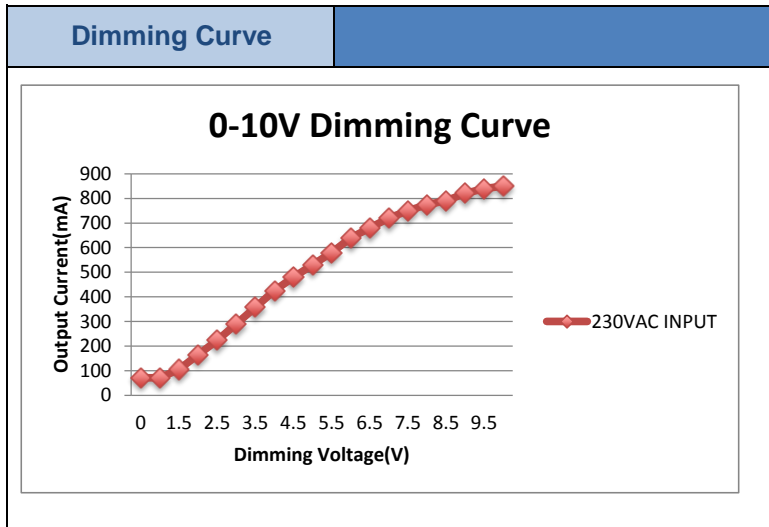
General Specifications		Data	Notes
	Dimming Type	DC DIMMING	0-10V
	Dimming Range	10% ~ 100%	
	0-10v Dimming Interface Current	<2mA	
	MTBF	>200,000hrs	calculated to MIL-HDBK217F @ 25 DEG C. rated load. Ground Benign.
	Max. Case Temp.	85°C	
	Life Rating (@ 100%Load, @ 85°C Tc.)	50,000 hours	Measured at 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 (% min. ~ max.)	Vomax ~ 110% Vomax
	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	Over Temperature Protection, No load protection
Environmental	Operating Temperature (min. ~ max.)	-30 ~ +50°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; UL1310; CSA C22.2 No. 250.13-12
	EMI/EMC Standards	FCC Part 15 Class A, Compliance to EN 61547/1995+A1/2000

Physical Parameters		L	W	H	M		
	Dimensions (Inches)	9.5"	1.3"	1"	8.91"		
	Net Weight (lbs.)	1 lbs.					
	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)				
	Output Leads (Color, AWG, Length)	Positive	Red single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 8mm(+/-1mm)				
		Negative	Blue single 20AWG 105°C 600V length 800mm(+/-25mm) wire stripping 8mm(+/-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.)
		NA		NA		NA	





Dimmer Compatability List	Dimmer Manufacturer	Dimmer Model No.
		EASEIC
	LEVITON	AWSMT716