

FEATURES

LEDWCD26 Series 26W Constant Current LED Driver With Dimming

- High Efficiency (Up to 86%)
- 0-10V Dimming Control
- Active Power Factor Correction (Typical 0.95)
- High Temperature Operation
- Waterproof (IP66)
- RoHS Compliant
- Over Load & Short Circuit Protection
- Approved to UL8750 & EN61347 Safety Standards

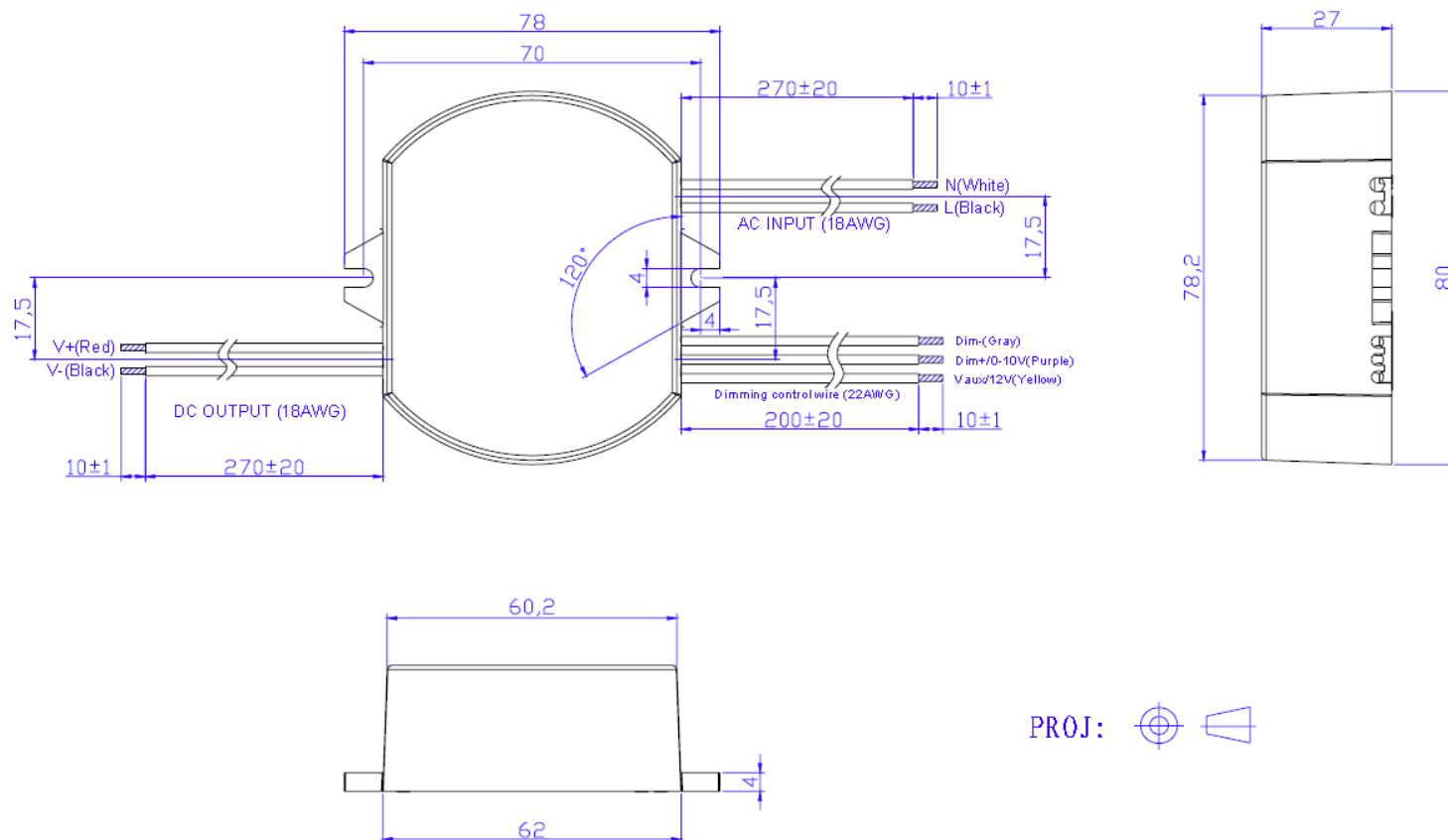


SPECIFICATION

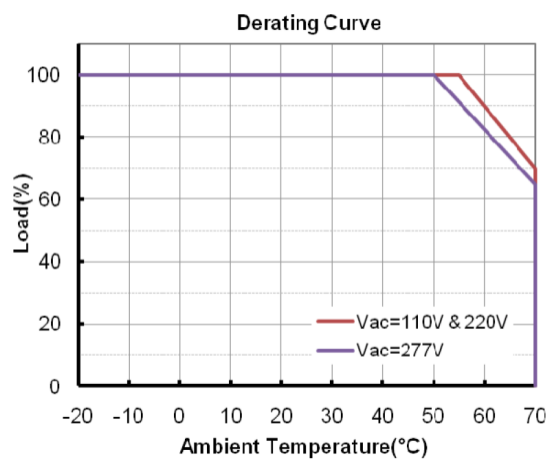
Model		LEDWCD 026S035PS	LEDWCD 026S045PS	LEDWCD 026S070PS	LEDWCD 026S105PS	LEDWCD 026S140PS	LEDWCD 026S175PS
Output	Rated Current	350mA	450mA	700mA	1050mA	1400mA	1750mA
	Rated Power	26W	26W	26W	26W	26W	26W
	Ripple & Noise (max.)	+/-5 %Io					
	Voltage Range	38~75	29~58	19~37	13~25	10~19	8 ~15
	Line Regulation	1%					
	Load Regulation	3%					
	Output Overshoot / Undershoot	10%Io					
	Turn On Delay	0.6S @110Vac, 0.3 @220Vac Typ.					
	No load output	85	59	42	32	26	22
Input	Rated Voltage	100-277 Vac					
	Frequency Range	47Hz / 63Hz					
	Efficiency (Typ.) at 220Vac	86%	85%	85%	84%	82%	81%
	Inrush Current	60A (At 230Vac input 25°C Cold Start. Duration=100μs)					
	AC Current (Typ.)	0.4 A / 100 VAC 0.2 A / 220 VAC					
	THD	<15% Max. with a min. 50% load					
Protections	Short Circuit	No damage shall occur when operating in a short circuit condition. The power supply shall auto recover when the fault condition is removed					
	Over Load	The power supply shall auto recover when the fault condition is removed					
Environmental	Temperature Range	Operational	-20°C ~ 70°C (see derating curve)				
		Storage	- 40 ~ +85°C				
	Humidity	Operational	10% ~ 100% RH				
		Storage	5% ~100% R.H				
Safety & EMC	Safety Standards	UL8750, UL935, UL1012, UL1310 Class 2, CSA-C22.2 No. 107.1, CSA C22.2 NO. 223-M91 Class 2					
	Conducted & Radiated EMI	EN55015 Class B					
	Harmonic Current	EN 61000-3-2					
	EMS Immunity	EN 61000-3-3 , EN 61000-4-2 , EN 61000-4-3 , EN 61000-4-4 , EN 61000-4-5 , EN 61000-4-6 , EN 61000-4-8, EN 61000-4-11, EN 61547					
Others	MTBF	200,000 hours (Measured at 110Vac input, 80%Load and 25°C ambient temperature (MIL-HDBK-217F))					
	Dimensions (L*W*H)	78 × 80 × 27 (mm) - 3.07 × 3.15 × 1.06 (inch)					
	Weight	200 g					



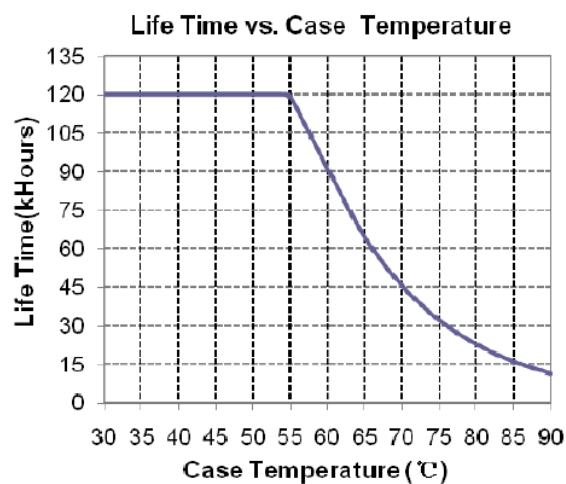
Mechanical Specifications


PROJ: 

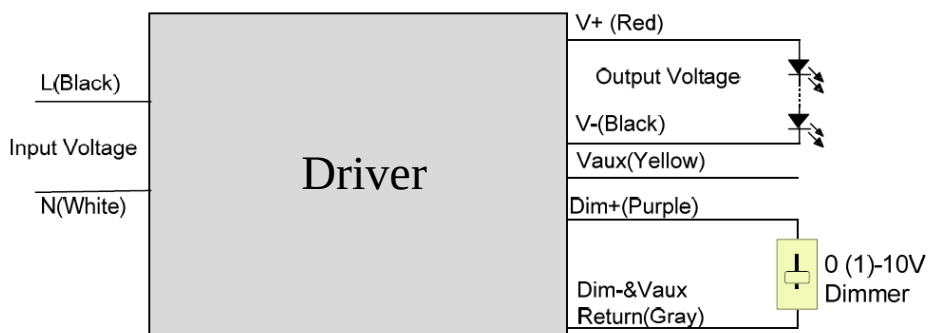
Temperature Derating



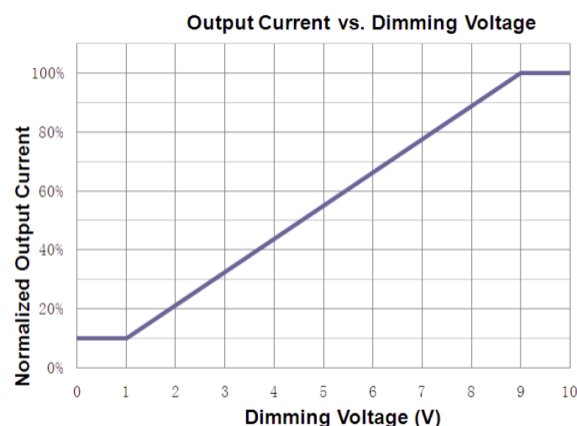
Life Time Curve



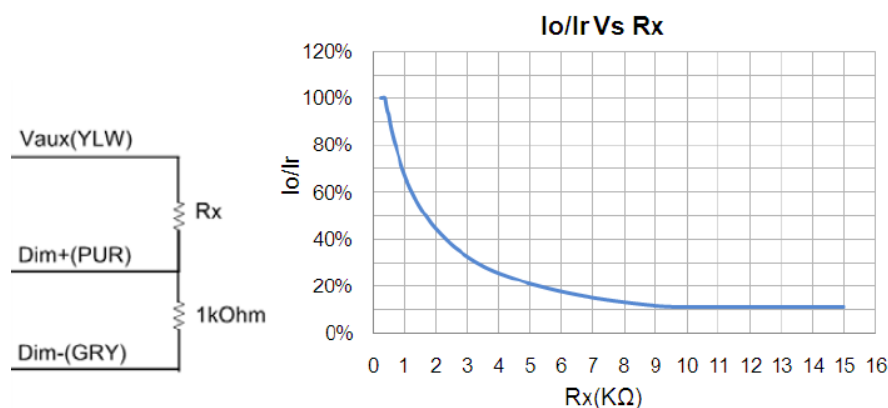
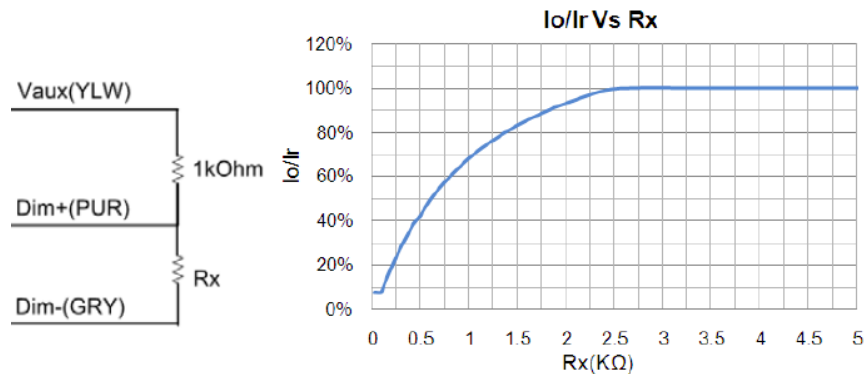
Dimming Control Options



Implementation with self-powered dimmer, use Vaux for dimmers requiring power



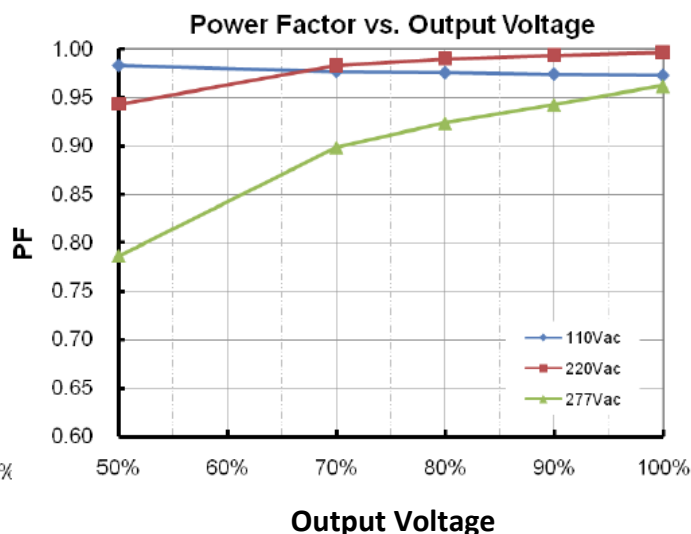
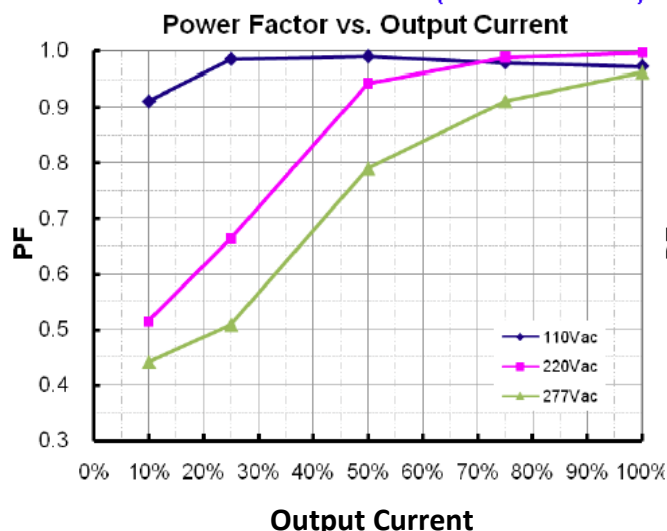
Parameter	Min	Typ	Max
12V Output	10.8V	12V	13.2V
12V Output Source Current	0mA		20mA
Absolute Maximum Voltage on the 0-10V Input Pin	0V		15V
Source Current on 0-10V Input Pin	0uA		200uA



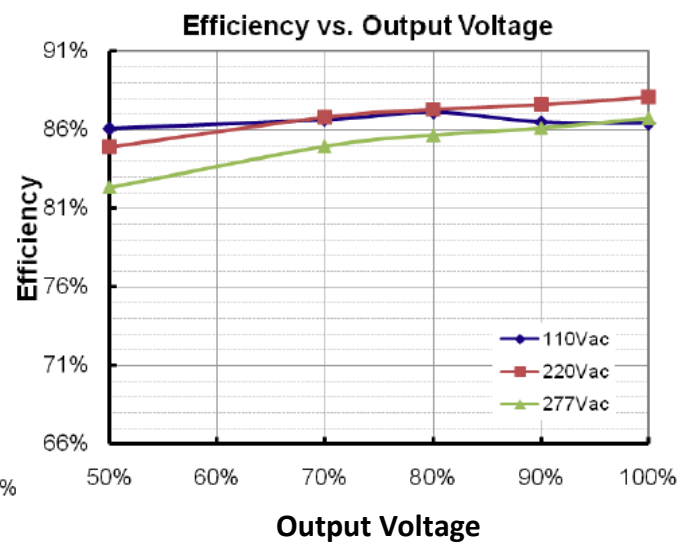
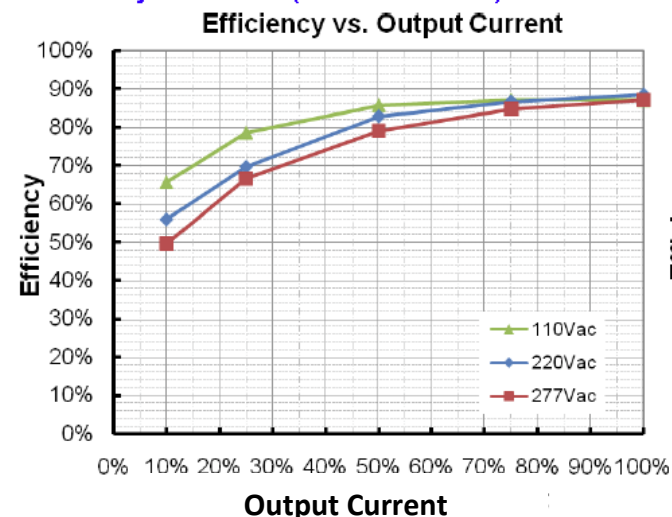
External Resistor



Power Factor Characteristics (350mA Model)

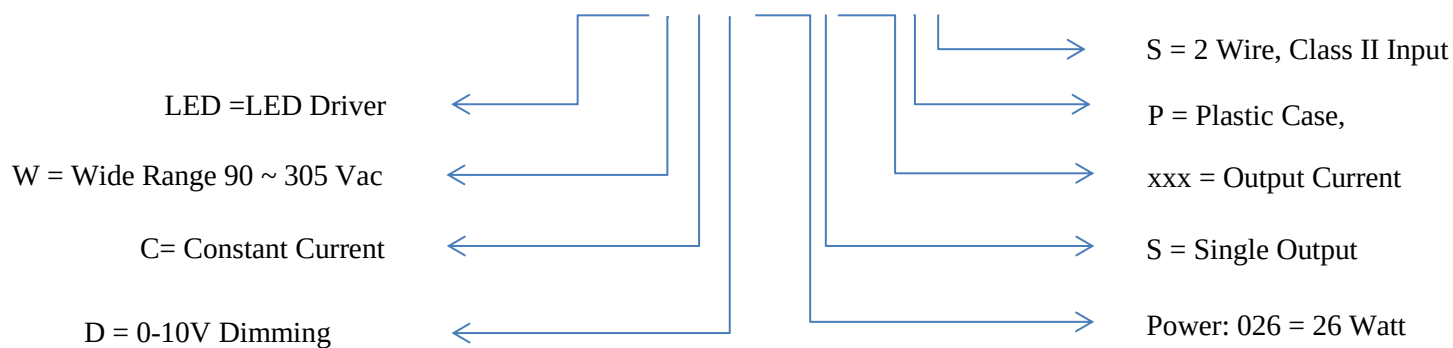


Efficiency vs. Load (350mA Model)



PART NUMBER SCHEME

LEDWCD026SxxxPS



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