Scheda tecnica - Technical data sheet



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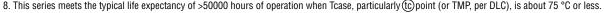
SPECIFICATION

MODEL		AV12040IP67		AV24040IP67						
	DC VOLTAGE	12V		24V						
	CONSTANT CURRENT REGION Note.2			14.4 ~ 24V						
	RATED CURRENT	3.34A		1.67A						
OUTPUT		40.08W		40.08W						
	RIPPLE & NOISE (max.) Note.3			150mVp-p						
	VOLTAGE TOLERANCE Note.4			±4.0%						
	LINE REGULATION	±0.5%		±0.5%						
		±2.0%		±0.5%						
	LOAD REGULATION		E00ma 80ma							
	SETUP, RISE TIME Note.6	1000ms, 80ms / 115VAC 500ms, 80ms / 230VAC								
	HOLD UP TIME (Typ.)	16ms/230VAC 16ms/115VAC								
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)								
	FREQUENCY RANGE	47 ~ 63Hz								
INPUT	POWER FACTOR	$\label{eq:PF} \begin{array}{l} PF \geqq 0.97 / 115 VAC, PF \geqq 0.95 / 230 VAC, PF \geqq 0.92 / 277 VAC @ full \ load \\ (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) \end{array}$								
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧60%/115VC,230VAC; @load≧75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)								
	EFFICIENCY (Typ.)	84%		87%						
	AC CURRENT	0.6A / 115VAC 0.3	A/230VAC 0.	.25A/277VAC						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=210µs measured at 50% Ipeak) at 230VAC; Per NEMA 410								
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	12 units (circuit breaker of type B) / 20 units (circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA / 240VAC								
		95~108%								
PROTECTION	OVER CURRENT	Constant current limiting, recovers automatically after fault condition is removed								
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed								
		15~17V		28~35V						
	OVER VOLTAGE	Shut down and latch off	o/p voltage, re-pov	wer on to recove	r					
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover Shut down o/p voltage, re-power on to recover								
	WORKING TEMP.	Tcase=-40 ~ +80°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" section)								
	MAX. CASE TEMP.	Tcase=+80°C								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH								
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)								
	VIBRATION	±0.05% C (0 ~ 50 C) 10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes								
		ENEC EN61347-1, EN61347-2-13 independent, EN62384, IP67,								
	SAFETY STANDARDS Note.8	design refer to TUV EN60950-1								
SAFETY &		I/P-O/P:3.75KVAC		211						
EMC	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	EMC EMISSION Note.8	Compliance to EN55015,EN61000-3-2 Class C (@load ≥ 60%) ; EN61000-3-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Line 2KV)								
OTHERS	MTBF		IDBK-217F (25°C)							
	DIMENSION	162.5*43*32mm (L*W*H	,							
NOTE	PACKING 0.44Kg; 32pcs/15.08Kg/0.93CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25 °C of ambient temperature. 2. Please refer to "DRIVING METHODS OF LED MODULE". 3. Ripple & noise are measured at 20MHz of bandwith by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor. 4. Tolerance: includes set up tolerance, line regulation and load regulation. 5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERIC" sections for details. 6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 7. The driver is considered a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must be re-qualify EMC Directive on the complete installation again. 8. This series meets the typical life expectancy of >50000 hours of operation when Tcase, particularly (@point (or TMP, per DLC), is about 75 °C or less.									

• Features: Constant voltage

• 5 years warranty

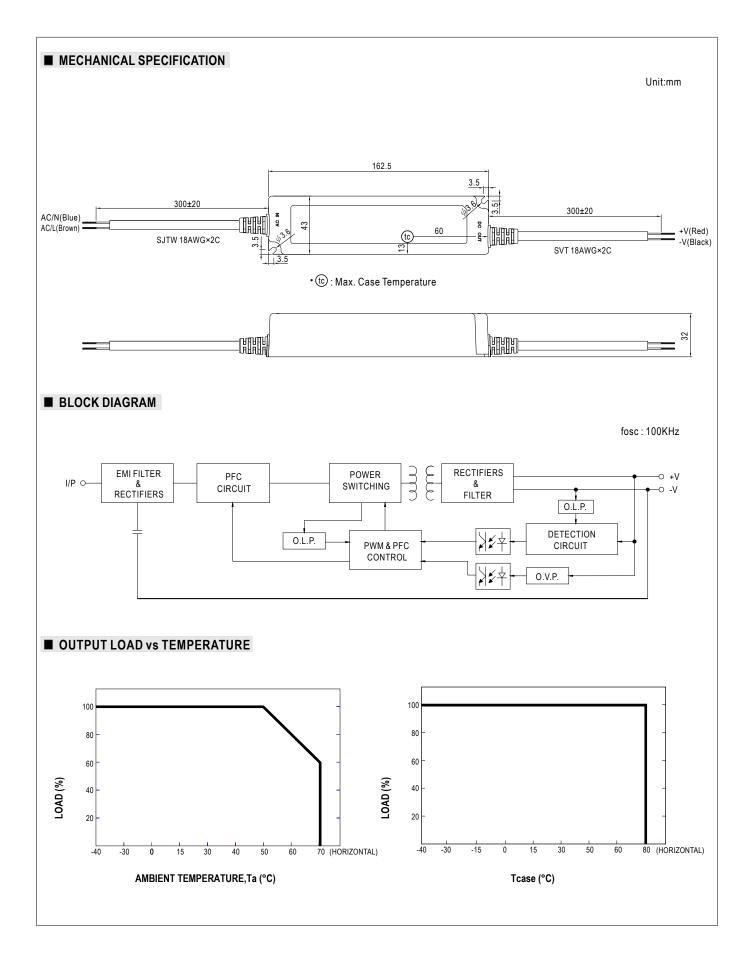
Constant voltage
Plastic housing with Class II design
Built-in active PFC function
Class 2 power unit
Fully encapsulated with IP67 level
Typical lifetime>50000 hours
Every warranty





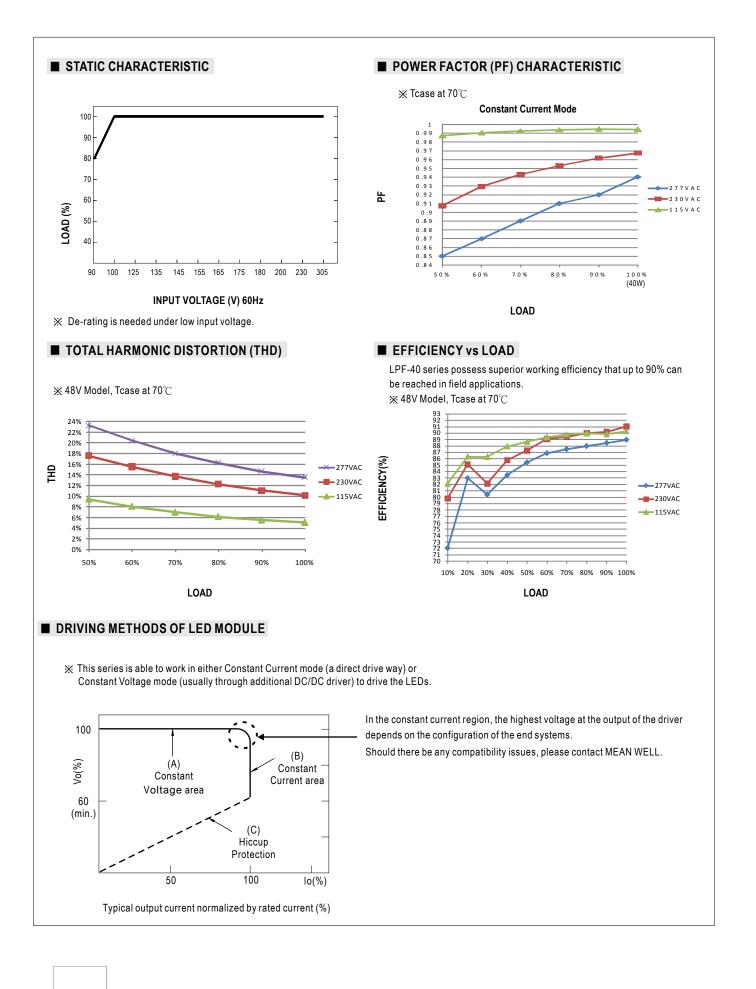
L&L Luce&Light srl Via Della Tecnica, 42 - 36031 Povolaro di Dueville (VI) - Italy Tel. +39 0444 360571 - Fax +39 0444 594304 www.lucelight.it - lucelight@lucelight.it

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