



■ Features :

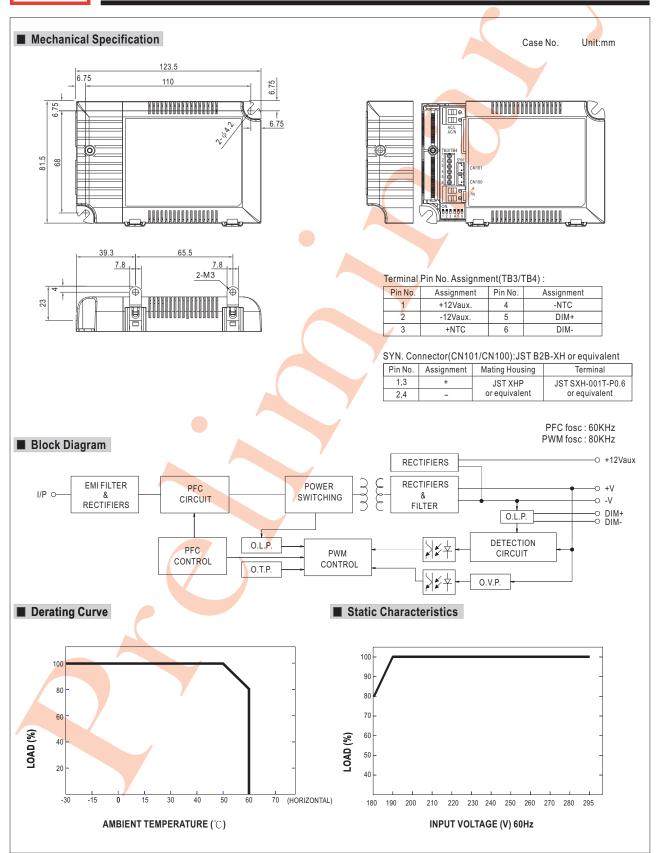
- Output current level selectable by DIP S.W.
- 180~295VAC input only
- Built-in active PFC function
- Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- ullet Class ${\rm II}$ power unit, no FG
- Built-in 0~10Vdc and PWM signal dimming function
- Built-in 12V/50mA auxiliary output
- IP20 design
- Temperature compensation function by external NTC
- No load power consumption <1W@AC always on (Note 8)
- Power supplies synchronization function up to 10 units
- Suitable for LED lighting applications
- 3 years warranty

SPECIFICATION



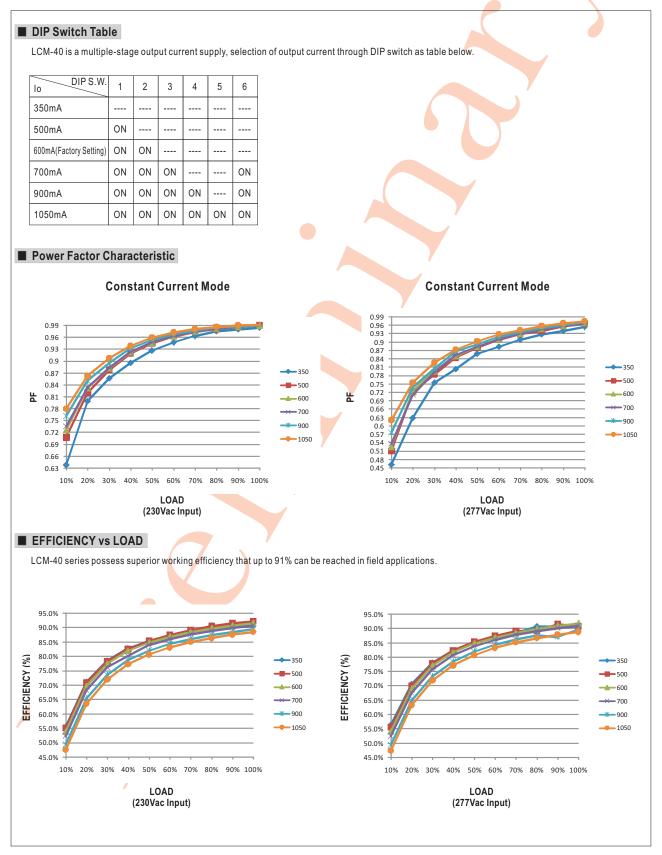
MODEL		LCM-40										
	SELECTABLE CURRENT Note.3	350mA	500mA	600mA	700mA	900mA	1050mA					
	DC VOLTAGE RANGE		2 ~ 80V	2~67V	2 ~ 57V	2 ~ 45V	2 ~ 40V					
	RATED POWER	42W										
	RIPPLE CURRENT	200mVp-p										
OUTPUT	RIPPLE & NOISE (max.) Note.2											
	NO LOAD OUTPUT VOLTAGE (max.)											
	CURRENT ACCURACY	±5.0%										
	SETUP, RISE TIME Note.6	1000ms, 80ms / 230VAC at rated power										
	HOLD UP TIME (Typ.)	16ms/230VAC at rated power										
	VOLTAGE RANGE Note.4 180 ~ 295VAC 254 ~ 417VDC											
	FREQUENCY RANGE	47 ~ 63Hz										
	POWER FACTOR (Typ.)	PF≥0.98/230VAC, PF≥0.97/277VAC at rated power (Please refer to "Power Factor Characteristic" curve)										
	TOTAL HARMONIC DISTORTION	Total harmonic distortion will be lower than 20% when output loading is 75% or higher										
INPUT	EFFICIENCY (Typ.) Note.7											
	AC CURRENT (Typ.)	0.21A/230VAC										
	INRUSH CURRENT(Typ.)	COLD START 35A/230VAC										
	LEAKAGE CURRENT	<0.5mA / 240VAC										
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed										
		110 ~ 130V										
PROTECTION	OVER VOLTAGE	Protection type: Shutdown o/p voltage, re-power on to recover										
		90°C ±10°C (RTH2)										
	OVER TEMPERATURE	Protection type: Shut down o/p voltage, re-power on to recover										
	AUXILIARY POWER	12V @ 50mA for driving fan; Tolerance±5%										
	TEMP. COMPENSATION	, ,	By external NTC(not provide with the power supply), please see "Temperature Compensation Operation"									
FUNCTION	DIMMING	Please see "Dimming Operation"										
	SYNCHRONIZATION											
	WORKING TEMP.	Please see "Synchronization Operation" -30 ~ +60°C (Refer to "Derating Curve")										
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
	SAFETY STANDARDS	UL8750, ENEC EN61347										
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC										
SAFETY & EMC	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH										
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C(≧35% rated power) ; EN61000-3-3										
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547 light industry level (surge 2KV), criteria A										
	MTBF	K hrs min. MIL-HDBK-217F (25°C)										
	DIMENSION	123.5*81.5*23mm (L*W*H)										
	PACKING	0.24Kg	11)									
NOTE	All parameters NOT specia Ripple & noise are measure Please see "DIP switch tab Derating may be needed upon to the power supply is considered to complete installation, the fire. Length of set up time is menorable. Tefficiency is measured at 5. No load power consumption.	Illy mentioned are measured at 20MHz of bandwidth le". nder low input voltage. Pletered as a component that all equipment manufactureasured at first cold start. 00mA/80V output set by I	n by using a 12" twist ease check the static t will be operated in a ers must re-qualify E Turning ON/OFF the DIP switch.	ted pair-wire terminated characteristics for mecombination with finated MC Directive on the	ted with a 0.1uf parall nore details. Il equipment. Since El complete installation	el capacitor. MC performance will again.	be affected by the					
	o. No load power consumption	IN IVV IS IIIEASUIEU AL TOL	LIIVAU.			F	I-40-SPEC 2012-0					





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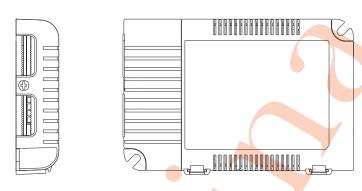




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■ DIMMING OPERATION



- ※ Please DO NOT connect "DIM-" to "-V".

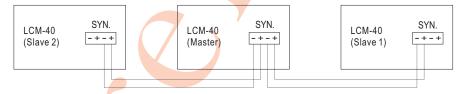
Dimming value	0V	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
Output current	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%~108%

* 10V PWM signal for output current adjustment (Typical): Frequency range:100Hz ~ 3KHz

Duty value	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Output current	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	100%~108%

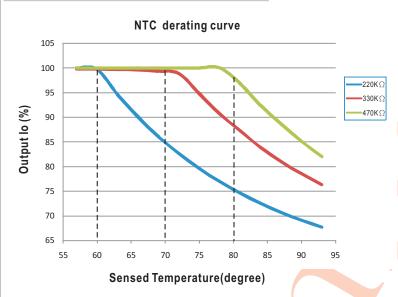
■ SYNCHRONIZATION OPERATION

- . 10 drivers(max.) synchronization (1 master + 9 slaves)
- . Maximum length of the cable from first driver to last driver is 15 meter.



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LCM-40 have the built-in temperature compensation function (T ↑,lo ↓). By connecting a temperature sensor (NTC resistor) between the NTC +/terminal of LCM-40 and the detecting point on the lighting system or the surrounding environment, output current of LCM-40 could be correspondingly changed to ensure the long life of LED.

1.LCM-40 can still be operated well when the NTC resistor is not connected and the value of output current is set by user Via the DIP switch.

2.

NTC resistance	Output Current
220K	< 60° C, 100% of the rated current (corresponds to the setting current level) > 60° C, output current begin to reduce, details please refer to the curve.
330K	<70°C, 100% of the rated current (corresponds to the setting current level) >70°C, output current begin to reduce, details please refer to the curve.
470K	< 80°C, 100% of the rated current (corresponds to the setting current level) > 80°C, output current begin to reduce, details please refer to the curve.

Notes: 1. MW does not offer the NTC resistor and all the data above are measured by using THINKING TTC03 series.

2. If other brands of NTC resistor is applied, please check the temperature curve first.