



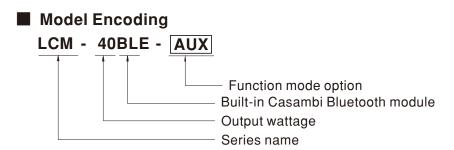
S CASAMBI O TIV W D SELV P CASAMBI

Features

- Constant Current mode output with multiple levels selectable by dip switch
- Flicker free design
- Plastic housing with class II design
- Built-in active PFC function
- Functions: Casambi Bluetooth low energy protocol, push dimming, synchronization up to 10units
- 3 years warranty

Description

LCM-40BLE series is a 40W AC/DC constant current mode output LED driver featuring the multiple levels selectable by dip switch and integration of Casambi Bluetooth control so that the installation is greatly simplified. LCM-40BLE operates from 180 \sim 295VAC and offers different current levels ranging between 350mA and 1050mA. Thanks to the high efficiency up to 90%, with the fanless design, the entire series is able to operate for -30°C \sim +90°C case temperature under free air convection. In addition, LCM-40BLE is equipped with push dimming and synchronization so as to provide the optimal design flexibility for LED lighting system.



Туре	Function	Note
Blank	Casambi Bluetooth control protocol and push dimming	By request
AUX	Same as blank type and Auxiliary DC output	By request

Applications

- LED indoor lighting
- · LED office lighting
- LED architectural lighting
- LED panel lighting

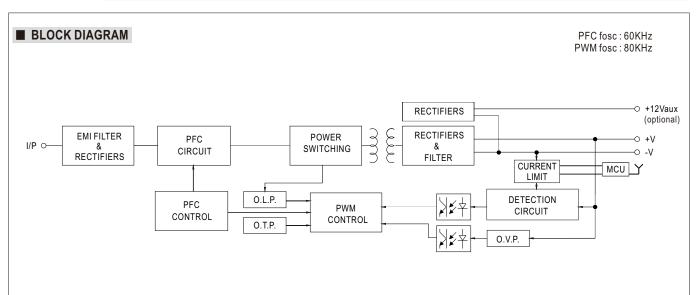


SPECIFICATION

MODEL		LCM-40BLE-]					
		Current level sel	ectable via DIP swite	ch, please refer to"DIP	SWITCH TABLE" section	1		
	CURRENT LEVEL	350mA	500mA	600mA	700mA(default)	900mA	1050mA	
	RATED POWER	42W						
OUTPUT	DC VOLTAGE RANGE	2~100V	2~80V	2~67V	2~57V	2~45V	2~40V	
JUIFUI	OPEN CIRCUIT VOLTAGE (max.)	110V			65V			
	CURRENT RIPPLE Note.5	5.0% max. @rated current						
	CURRENT TOLERANCE	±5%						
	AUXILIARY DC OUTPUT	Nominal 12V(deviation 11.4~12.6V)@50mA for AUX-Type only						
	SETUP TIME Note.3	500ms / 230VAC						
	VOLTAGE RANGE Note.2	180 ~ 295VAC 254 ~ 417VDC (Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF≧0.975/230VAC, PF≧0.96/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≧75%) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)						
INPUT	EFFICIENCY (Typ.) Note.4	90%						
	AC CURRENT (Typ.)	0.23A/230VAC	0.2A/277VAC					
	INRUSH CURRENT (Typ.)	COLD START 20	A(twidth=260µs meas	sured at 50% Ipeak) at 2	30VAC; Per NEMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	26 units (circuit breaker of type B) / 44 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.5mA/240VA	С					
	SHORT CIRCUIT	Constant curren	t limiting, recovers a	utomatically after fault	t condition is removed			
		110 ~ 130V Shutdown o/p voltage, re-power on to recover						
PROTECTION	OVER VOLTAGE							
	OVER TEMPERATURE	Shutdown o/p voltage, re-power on to recover						
	WIRELESS PROTOCOL	Casambi Bluetooth low energy 2.4GHz protocol						
FUNCTION	DIMMING	Please refer to	DIMMING OPERA	TION" section				
	SYNCHRONIZATION	Please refer to	"SYNCHRONIZATI	ON OPERATION" see	ction			
	TEMP. COMPENSATION	By external NT	C, please refer to "T	EMPERATURE COM	PENSATION OPERATIC	N"section		
	WORKING TEMP.	Tcase=-25 ~ +90	°C (Please refer to '	" OUTPUT LOAD vs TI	EMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 90% RH no	n-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40~+80℃,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, CSA C	22.2 No.250.13-12,	EN61347-1, EN61347	-2-13, EN62384 independ	dent approved		
SAFETY &	WITHSTAND VOLTAGE	I/P-0/P:3.75KVAC						
ЕМС	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH						
	EMC EMISSION Note.7	Compliance to EN55015, EN61000-3-2 Class C(@load ≥ 40%) ; 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	193.6K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	123.5*81.5*23mm (L*W*H)						
	PACKING	0.24Kg ; 54pcs/	15Kg/1.12CUFT					
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 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. Efficiency is measured at 500mA/80V output set by DIP switch. Current ripple is measured 50%~100% of maximum voltage under rated power delivery. The driver is considered as 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 re-qualify EMC Directive on the complete installation again. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500) 							



LCM-40BLE



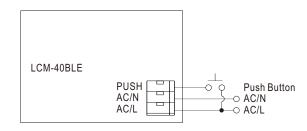
DIP SWITCH TABLE

LCM-40BLE is a multiple-stage constant current driver, selection of output current through DIP switch is exhibited below.

DIP S.W.	1	2	3	4	5	6
350mA						
500mA	ON					
600mA	ON	ON				
700mA(factory default)	ON	ON	ON			ON
900mA	ON	ON	ON	ON		ON
1050mA	ON	ON	ON	ON	ON	ON



DIMMING OPERATION



※Freely assignable (push) input

• The LCM BLE series also has one freely assignable AC mains (push) input. As with a CASAMBI sensor module, control pulses can be defined here (e.g. "controls a luminaire"; "controls an element"; "controls a group"; "controls scenes"; "controls all luminaires"; "change scenes"). See the reference connection figure in the above.

℁Casambi Bluetooth control

• To be used through APP available on Apple Store and Play Store for iOS and Android.



APP SOFTWARE OVER TEMPERATURE PROTECTION

The real time Bluetooth IC temperature is shown in the APP. In case it reaches above 75 °C (equivalent to Tc 90°C), the driver will be turn off to provide a protection. In case the units is cooled down, it can be manually turn ON and back to normal operation again.

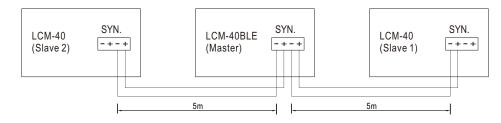
NOTE: 1.This software temperature protection is an extra independent function from driver its own hardware over temperature protection(when it is enabled, it needs re-AC power on to recover) and temperature compensation operation function described in the following section.

2.In general the software temperature protection is triggered before the hardware one when in over temperature.



SYNCHRONIZATION OPERATION

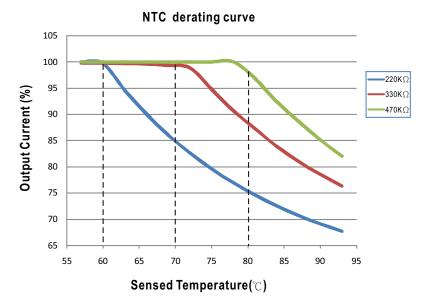
- Synchronization up to 10 drivers (1 master + 9 slaves)
- Dimming operating range : 10%~100%
- Sync cable length : < 5m
- · Sync cable type : Flat cable
- Sync cable cross section area : 22 24 AWG (0.2~0.3mm²)



NOTE: 1. Please make sure all units are set to 100% dimming setting (factory default) before synchronizing. 2. Min. Dimming operating range depends on dimmer setting.

■ TEMPERATURE COMPENSATION OPERATION

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



© LCM-40BLE can still be operated normally when the NTC resistor is not connected and the value of output current will be the current level selected through the DIP switch.

○ NTC reference:

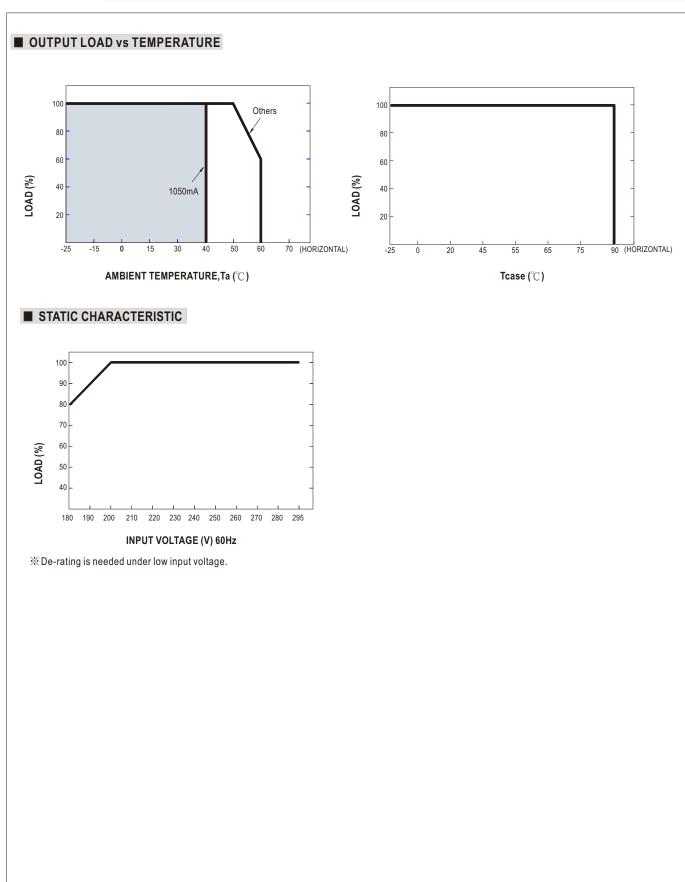
NTC resistance	Output Current
220K	< 60° C, 100% of the rated current (corresponds to the setting current level) > 60° C, output current begins to reduce, please refer to the curve for details.
330K	$<70^\circ\text{C}$, 100% of the rated current (corresponds to the setting current level) $>70^\circ\text{C}$, output current begins to reduce, please refer to the curve for details.
470K	< 80°C, 100% of the rated current (corresponds to the setting current level) > 80°C, output current begins to reduce, please refer to the curve for details.

Notes: 1. MEAN WELL 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.

© Dimming and synchronization function of the driver will be invalid when the "temperature compensation" function is in use.



LCM-40BLE





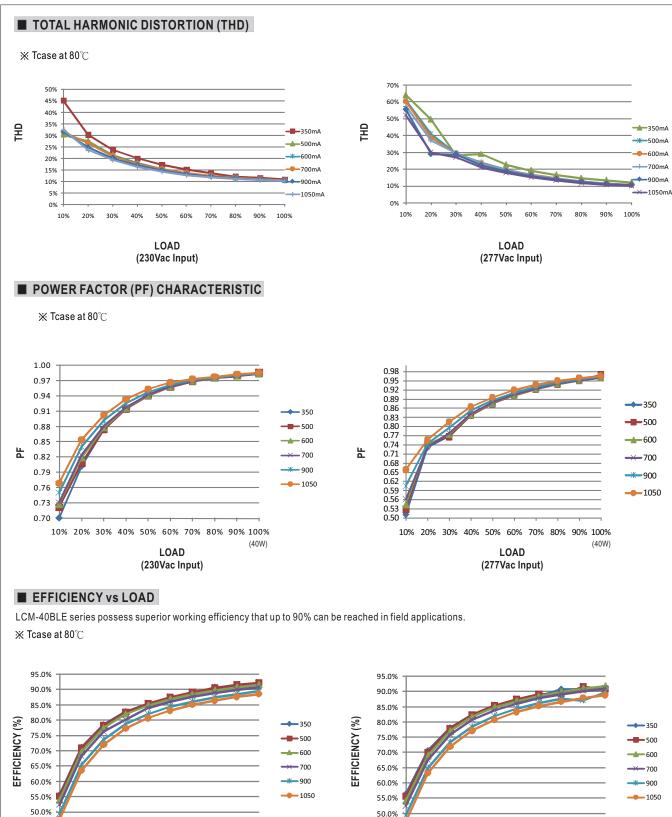
45.0%

10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

LOAD

(230Vac Input)

LCM-40BLE



45.0%

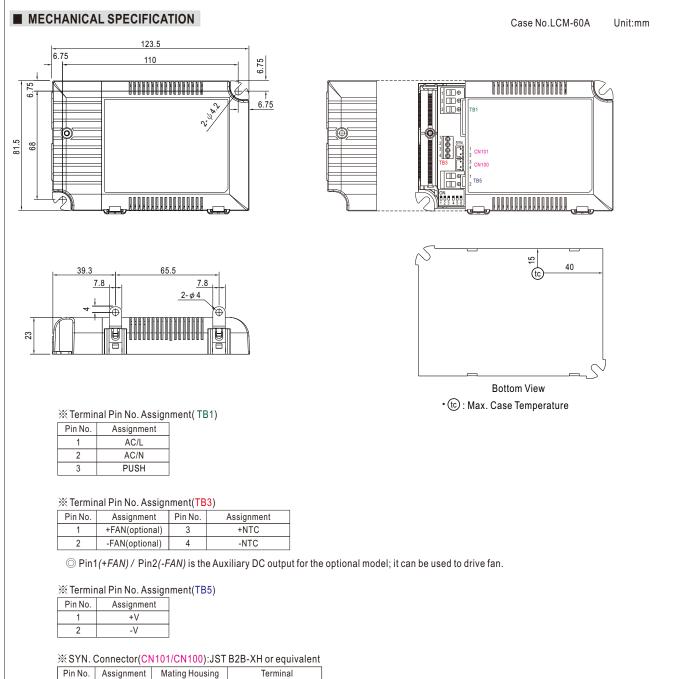
10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

LOAD

(277Vac Input)



LCM-40BLE



	Pin No.	Assignment	Mating Housing	Terminal		
[1,3	+	JST XHP	JST SXH-001T-P0.6		
[2,4	-	or equivalent	or equivalent		

Installation Manual

Please refer to : http://www.meanwell.com/manual.html

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for LED Power Supplies category:

Click to view products by Mean Well manufacturer:

Other Similar products are found below :

ESS015W-1000-12 EUC-075S105DT PDA-WIFI PIFC-K250F PITB-K222A ALD-514012PJ134 LB240S24KH LMH020-SPLC-0000-0000001 79534 79535 EUG-200S210DT ESS030W-1050-21 ESS030W-0900-32 BPOXL 4-12-035 SLM160W-3.9-40-ZA ESS010W-0180-42 ESS010W-0350-24 ESS010W-0200-42 PDA080B-1A0G PDA150B-S1A5G ZPS-20 SLM140W-1.05-130-ZA ESS040W-1400-27 ESS015W-0700-18 ESS010E-0250-42 EDC-100S105SV-0007 79278 EUD-150S350DVA LWA320-C420-ARK-B 50304 HVG-320-36AB HVG-320-54AB OT FIT 50/220-240/300 D L OT FIT 35/220-240/350 D CS L OT FIT 65/220-240/350 D CS L ELEMENT 30/220-240/700 S LC 75W 100-400MA 1-10V LP EXC LCA 35W 150-700MA ONE4ALL LP PRE LCA 50W 100-400MA ONE4ALL LP PRE LCA 50W 350-1050MA ONE4ALL LP PRE LCA 50W 350-1050MA 2XCH LP PRE LCI 150/325-1050/300 O4A SL PRE LCA 75W 100-400MA ONE4ALL LP PRE LCA 45W 500-1400MA ONE4ALL SC PRE LC 50W 100-400MA FLEXC LP EXC LCA 75W 350-1050MA ONE4ALL LP PRE LC 50W 350-1050MA FLEXC LP EXC LC 75W 350-1050MA FLEXC LP EXC LCA 75W 900-1800MA ONE4ALL LP PRE LCA 100W 250-700MA ONE4ALL LP PRE