



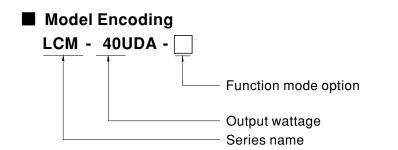


Features

- Constant Current mode output with multiple levels selectable by dip switch
- Plastic housing with class II design
- Built-in active PFC function
- Functions: DALI interface(logarithm or linear dimming curve selectable), push dimming, synchronization up to 10units
- 3 years warranty

Description

LCM-40UDA series is a 35W LED AC/DC constant current mode output LED driver featuring the multiple levels selectable by dip switch and the DALI interface with the compliance to IEC62386-207. LCM-40UDA operates from $90 \sim 132$ VAC and offers different current levels ranging between 350mA and 1050mA. Thanks to the efficiency up to 87.5%, with the fanless design, the entire series is able to operate for -30° C $\sim +90^{\circ}$ C case temperature under free air convection. In addition, LCM-40UDA is equipped with push dimming and synchronization so as to provide the optimal design flexibility for LED lighting system.



Туре	Function	Note
Blank	DALI and push dimming	In Stock
AUX	DALI and push dimming and Auxiliary DC output	By request



Applications

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

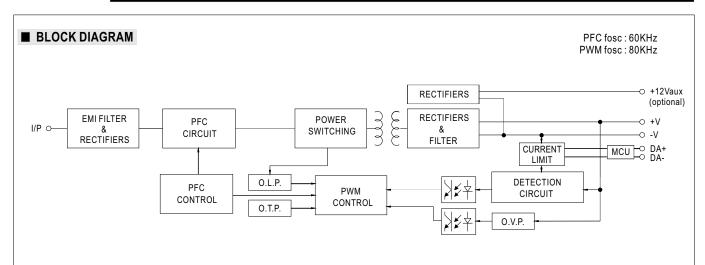


SPECIFICATION

MODEL		LCM-40UDA-						
		Current level selectable via DIP switch, please refer to"DIP SWITCH TABLE" section						
OUTPUT	CURRENT LEVEL	350mA	500mA	600mA	700mA(default)	900mA	1050mA	
	RATED POWER	35W	i				i	
	DC VOLTAGE RANGE	2 ~ 100V	2~70V	2 ~ 59V	2 ~ 50V	2 ~ 39V	2~34V	
0011 01	OPEN CIRCUIT VOLTAGE (max.)	110V		L	65V		L	
	CURRENT RIPPLE Note.6	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	1000ms / 115VAC						
		90 ~ 132VAC 127 ~ 186VDC						
	VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC" section)						
	FREQUENCY RANGE	47 ~ 63Hz						
INPUT	POWER FACTOR (Typ.)	PF≧0.98/115VAC @full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
	TOTAL HARMONIC DISTORTION	THD< 20%(@loa (Please refer to '		C DISTORTION(THD)" section)			
	EFFICIENCY (Typ.) Note.4	87.5%						
	AC CURRENT (Typ.)	0.43A/115VAC						
	INRUSH CURRENT (Typ.)	COLD START 15	A(twidth=270µs meas	sured at 50% Ipeak) at 1	15VAC; Per NEMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	22 units (circuit breaker of type B) / 38 units (circuit breaker of type C) at 115VAC						
	LEAKAGE CURRENT	<0.5mA/120VA	2					
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed						
		110 ~ 130V						
PROTECTION	OVER VOLTAGE	Shutdown o/p voltage, re-power on to recover						
	OVER TEMPERATURE	Shutdown o/p ve	oltage,re-power on	n to recover				
	DIMMING	Please refer to "	DIMMING OPERA	TION" section				
FUNCTION	SYNCHRONIZATION	Please refer to "SYNCHRONIZATION OPERATION" section						
	TEMP. COMPENSATION	By external NTC	, please refer to "T	EMPERATURE COM	IPENSATION OPERATIO	N"section		
	WORKING TEMP.	Tcase=-30 ~ +90	C (Please refer to	" OUTPUT LOAD vs T	EMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+90°C						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH						
	TEMP. COEFFICIENT	±0.03%/°C (0~	50℃)					
	VIBRATION	10 ~ 500Hz, 2G	IOmin./1cycle, perio	od for 60min. each alo	ng X, Y, Z axes			
	SAFETY STANDARDS	UL8750 approve			- · · · · ·			
	DALI STANDARDS		- 62386-101, 102, 20)7				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVA						
EMC	ISOLATION RESISTANCE			5°C / 70% RH				
	EMC EMISSION		I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH Compliance to FCC part 15 Subpart B					
	MTBF	193.6K hrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	123.5*81.5*23mi		, ,,				
STILING	PACKING	0.28Kg ; 54pcs/1	1 /					
NOTE	 All parameters NOT special De-rating may be needed u Length of set up time is me Efficiency is measured at 50 The driver is considered as complete installation, the fin It is measured 50%~100% The ambient temperature de X Product Liability Disclaimer 	inder low input vo asured at first col 00mA/70V output a component tha al equipment mai of maximum volta rating of 3.5°C/100	Itages. Please refe d start. Turning ON set by DIP switch. t will be operated in hufacturers must re ge under rated por 00m with fanless mo	er to "STATIC CHARA I/OFF the driver may n combination with fir e-qualify EMC Directiv wer delivery. odels and of 5°C/1000	CTERISTIC" sections for lead to increase of the se nal equipment. Since EMC ve on the complete installa m with fan models for ope	details. et up time. C performance will ation again. rating altitude high		



35W Multiple-Stage Constant Current Mode LED Driver LCM-40UDA series



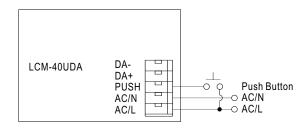
DIP SWITCH TABLE

LCM-40UDA 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



℁PUSH dimming(primary side)

Action	Action duration	Function
Short push	0.1~1 sec.	Turn ON-OFF the driver
Long push	1.5~10 sec.	Every Long Push changes the dimming direction, dimming up or down
Reset	>11 sec.	Set up the dimming level to 100%

• The factory default dimming level is at 100%.

• If the push action lasts less than 0.05 sec., it will not lead to a change for the status of the driver.

• Up to 10 drivers can perform the PUSH dimming at the same time when utilizing one common push button.

• The maximum length of the cable from the push button to the last driver is 20 meters.

• The additive push button can be connected only between the PUSH terminal, as displayed in the diagram, and AC/L (in brown or black); it will lead to short circuit if it is connected to AC/N.

*DALI interface(primary side)

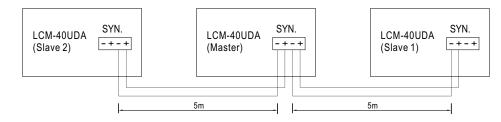
Apply DALI signal between DA+ and DA-

- DALI protocol comprises 16 groups and 64 addresses.
- · First step is fixed at 6% of output.



■ 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)



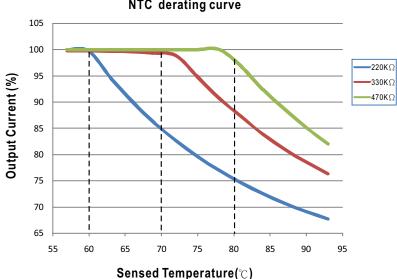
NOTE: 1. Please make sure all units are set to 100% dimming setting (factory default) before synchronizing.

2. Min. Dimming operating range depends on dimmer setting.

■ TEMPERATURE COMPENSATION OPERATION

LCM-40UDA have the built-in temperature compensation function; by connecting a temperature sensor (NTC resistor) between the +NTC /-NTC terminal of LCM-40UDA and the detecting point on the lighting system or the surrounding environment, output current of LCM-40UDA could be

correspondingly changed, based on the sensed temperature, to ensure the long life of LED.



NTC derating curve

© LCM-40UDA 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.

O NTC reference:

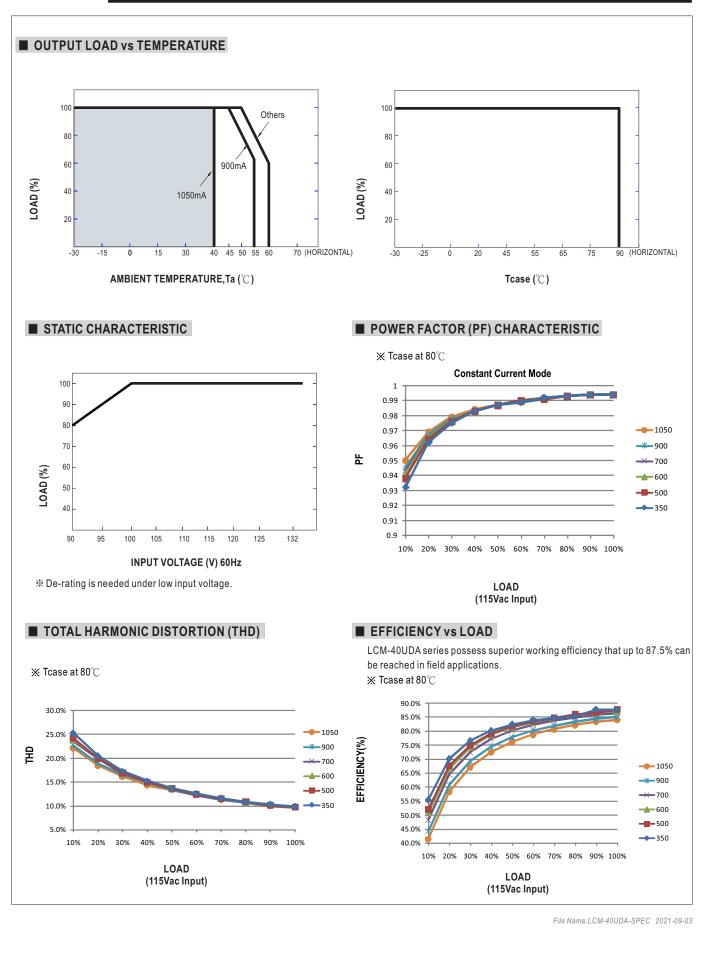
NTC resistance	Output Current
220K	< $60^{\circ}C$, 100% of the rated current (corresponds to the setting current level) > $60^{\circ}C$, output current begins to reduce, please refer to the curve for details.
330K	< 70 $^{\circ}$ C, 100% of the rated current (corresponds to the setting current level)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



35W Multiple-Stage Constant Current Mode LED Driver LCM-40UDA series

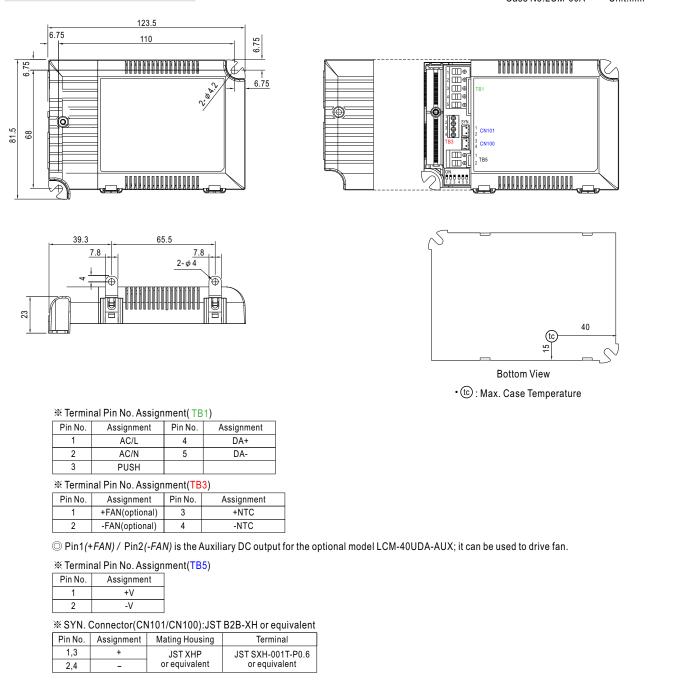




35W Multiple-Stage Constant Current Mode LED Driver LCN-40UDA series

MECHANICAL SPECIFICATION

Case No.LCM-60A Unit:mm



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 PDA-WIFI PIFC-K250F PITB-K222A ALD-514012PJ134 LB240S24KH LMH020-SPLC-0000-0000001 LMD600-0100-C1A7-7030000 79534 79535 EUG-200S210DT ESS030W-1050-21 ESS030W-0900-32 BPOXL 4-12-035 ESS010W-0350-24 ESM060W-1400-42 PDA080B-1A0G PDA150B-S1A5G ZPS-20 SLM140W-1.05-130-ZA ESS015W-0700-18 EUD-150S350DVA LWA320-C420-ARK-B HVG-240-48AB HVG-320-36AB HVG-320-54AB EUK-150S105DV LN1224CV HBG-160-24AB 980100001200394 980060001200376 LC 14W 250-350MA FLEXC R ADV2 LC 24W 500-600MA FLEXC R ADV2 LC 36W 850-900MA FLEXC R ADV2 LC 18W 24V ONE4ALL SC PRE LC 50W 200-350ML 170V FLEXC LP SNC4 LC 25W 200-350ML 70V FLEXC LP SNC4 LC 35W 200-350ML 121V FLEXC LP SNC4 LCBI 10W 350MA PHASE-CUT/1-10V LP LC 13W 300MA FIXC C SNC LC 10W 250MA FIXC SC SNC2 LC 35W 800MA FIXC SR ADV2 LC 38W 900MA FIXC SR ADV2 LC 34W 800MA FIXC SC ADV2 LC 44W 1050MA FIXC SC ADV2 LC 38W 900MA 42V FIXC SRL ADV2 PWM-40-36 PWM-60-36 LUD-060S150BSF ESS010W-0750-12