

Наличие и актуальные цены на

XLN-40-12

https://www.mean-well.ru/store/XLN-40-12/



XLN-40 series



- DALI-2 + Push dimming
- 5 years warranty

Description

XLN-40 Series is a 40W with constant power and constant voltage output LED driver . It can operate from 100~305VAC and output current ranging between 600 mA to 1400 mA selectable by NFC setting. Thanks to high efficiency up to 88%, it is able to operate for -25° C ~90°C case temperature under free air convection. XLN-40 is designed based on latest safety regulation with 3 in 1 and DALI-2 dimming. XLN-40 can also be adjusted for brightness with a push button as a simple way dimming, so it provides more flexibility for LED Lighting application.

. , , , , , , , , , , , , , , , , , , ,		
Blank	H type output current selectable by NFC setting with constant power mode	
	12, 24V Constant voltage output	
В	H type output current selectable by NFC setting and built in 3 in 1 dimming	In stock
DA2	H type output current selectable by NFC setting and built in DALI-2 dimming	

Note: 1. 12V/24V output is fixed without NFC function and Dimming.

2. For more current setting, please contact MW sales representative.

Note



SPECIFICATION

MODEL		XLN-40-12		XLN-40-24				
	RATED VOLTAGE	12V		24V				
OUTPUT	RATED CURRENT	3.4A		1.7A				
	RATED POWER Note.2	40.8W 40.8W						
	RIPPLE & NOISE (max.) Note.3	120mVp-p		240mVp-p				
	VOLTAGE TOLERANCE Note.4	±4.0%						
	LINE REGULATION	±0.5%						
	LOAD REGULATION	±2%						
	SETUP, RISE TIME Note.5	500ms, 100ms/230VAC, 1000ms, 100ms/	I15VAC					
	VOLTAGE RANGE	100 ~ 305VAC 141 ~ 400VDC						
	FREQUENCY RANGE	47~63Hz						
INPUT		PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC@full load						
	POWER FACTOR	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
		$THD<\!10\%(@load \!\geq\! 50\%/230VAC; @load \!\geq\! 75\%/277VAC), THD<\!15\%(@load \!\geq\! 50\%/115VAC)$						
	TOTAL HARMONIC DISTORTION	(Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)						
	EFFICIENCY (Typ.)	86% 88%						
	AC CURRENT	0.5A / 115VAC 0.25A / 230VAC 0.2A/277VAC						
	INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100µs measured at 50% lpeak) at 230VAC; Per NEMA 410						
	MAX. No. of PSUs on 16A							
	CIRCUIT BREAKER	51 units (circuit breaker of type B) / 51 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA/277VAC						
		105 ~ 220% rated output power						
	OVER LOAD	Protection type:Hiccup mode, recovers automatically after fault condition is removed						
	SHORT CIRCUIT	Hiccup mode, recovers automatically after f						
PROTECTION		13~16V		26~32V				
	OVER VOLTAGE	Shut down and latch off o/p voltage, re-pow	er on to recover					
	OVER TEMPERATURE	Shut down output voltage, recovers automa	tically after fault condition	s removed				
	WORKING TEMP.	Tcase=-25 ~ 90°C (Please refer to " OUTPL	JT LOAD vs TEMPERATUR	RE" section)				
	MAX, CASE TEMP.	Tcase=90°C		,				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
INVIRONMENT	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 6	Omin each along X Y Z av	200				
	TIDIO TIDIO		• • •		tallations/DC input 176, 280\/DC);			
	SAFETY STANDARDS	ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations(DC input 176-280VDC); BS EN/EN62384, BIS IS15885(Part2/Sec13)(NOTE 14), GB19510.14, GB19510.1, EAC TP TC 004,UL8750(Type HL and Class P); CSA C22.2 No. 250.13-12 approved;Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13;						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC						
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70	1% RH					
		Parameter	Standard		Test Level/Note			
	EMC EMISSION	Conducted	BS EN/EN55015(CIS	PR15) GB/T 17743				
		Radiated	BS EN/EN55015(CIS	, , , , , , , , , , , , , , , , , , ,				
		Harmonic Current	BS EN/EN61000-3-2		Class C @load≥50%			
SAFETY &		Voltage Flicker	BS EN/EN61000-3-3					
EMC		BS EN/EN61547	D3 EN/EN01000-3-3					
	-		Chandand		To add any l/blada			
		Parameter	Standard		Test Level/Note			
		ESD	BS EN/EN61000-4-2		Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-3		Level 2			
	EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-4		Level 2			
		Surge	BS EN/EN61000-4-5		Level 3, 1KV/Line-Line			
		Conducted	BS EN/EN61000-4-6		Level 2			
		Magnetic Field	BS EN/EN61000-4-8		Level 2			
		Voltage Dips and Interruptions	BS EN/EN61000-4-1	1	70% residual voltage for 10			
			DO EN/EN01000-4-1		period, 0% residual voltage for 0.5 periods			
	FLICKER Note.6	$PstLM \leq 1, SVM \leq 0.4$						
OTHERS	MTBF	3935.2 K hrs min. Telcordia SR-332 (Bellcore) ; 342.9 Khrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	114*44*32mm (L*W*H)						
	PACKING	308g; 40pcs/13.32Kg/0.95CUFT						
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25[°]C of ambient temperature. De-rating may be need under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. Ripple & noise are measured at 20MHz of bandwidth by using a 12[°] twisted pair-wire teminated with a 0.1uF & 47uF parallel capacitor. Tolerance: includes set up tolerance, line regulation and load regulation. 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. Flicker is measured at full load with the light source provided by MEAN WELL. To fulfill requirement of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains. 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. (as available on https://www.meanvell.com/Upload/PDF/EMI_statement_en.pdf) The ambient temperature de-rating of 3.5°C/1000m with fanless models and 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 75°C or less. Red is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations. 							
	12. Products sourced from the Ar 13. For more information, please 14. Products sourced from the Cl	nericas regions may not have the CCC/PS	E/BIŠ/KC logo. Please col ease contact your MEAN \	ntact your MEAN WELL WELL sales for more info	sales for more information.			

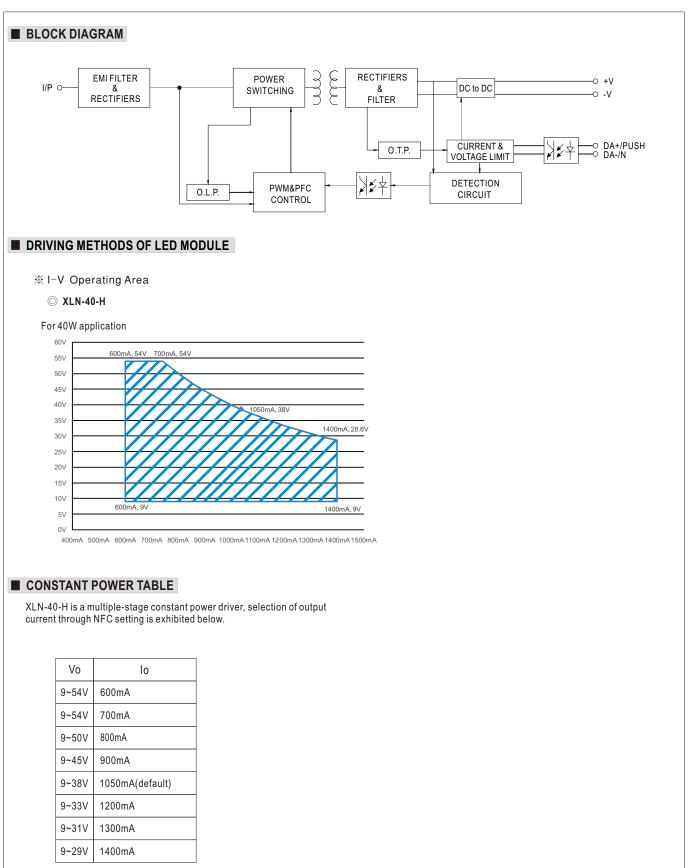


SPECIFICATION

MODEL							
MODEL	XLN-40-H-						
	OPEN CIRCUIT VOLTAGE Note.2	60V					
	DEFAULT CURRENT	1050mA					
	CURRENT ADJ.RANGE (BY NFC)	0.6~1.4A					
OUTPUT	CONSTANT CURRENT REGION Note.3	9~54V					
	RATED POWER Note.4	40W					
	CURRENT RIPPLE	<4%(@full load)					
	CURRENT TOLERANCE	±5%					
	DIMMING RANGE	0~100%					
	SETUP, RISE TIME Note.5,6	500ms, 100ms/230VAC, 1000ms, 100ms/11	5VAC				
	VOLTAGE RANGE	100 ~ 305VAC 141 ~ 400VDC					
	FREQUENCY RANGE						
	POWER FACTOR	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) UP ±100/(Please 2000) 000140 - 2000 2000 0000000000000000000000000					
INDUT	TOTAL HARMONIC DISTORTION	THD<10%(@load≥50%/230VAC; @load≥75%/277VAC), THD<15%(@load≥50%/115VAC) (Please refer to *TOTAL HARMONIC DISTORTION(THD)* section)					
INPUT	EFFICIENCY (Typ.) Note.7 AC CURRENT	38% D.5A / 115VAC 0.25A / 230VAC 0.2A/277VAC					
	INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	51 units (circuit breaker of type B) / 51 units (circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA/277VAC					
	STANDBY POWER CONSUMPTION Note.8	Standby power consumption<0.5W(Dimming	off)				
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed					
PROTECTION	OVER TEMPERATURE		evel. Recovers automatically after fault condition Stage 2: De-rating to 50% loading. Recovers autor				
	WORKING TEMP.	Tcase=-25 ~ 90°C (Please refer to " OUTPUT	· · ·				
	MAX. CASE TEMP.	Tcase=90°C					
	WORKING HUMIDITY	20 ~ 90% RH non-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 60	min. each along X, Y, Z axes				
	SAFETY STANDARDS	ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations(DC input 176-280VDC); BS EN/EN62384, BIS IS15885(Part2/Sec13)(NOTE 14), GB19510.14, GB19510.1, EAC TP TC 004,UL8750(Type HL and Class P); CSA C22.2 No. 250.13-12 approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13 ;					
	DALI STANDARDS	Comply with IEC62386-101,102,207					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC					
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70%					
	EMC EMISSION	Parameter	Standard	Test Level/Note			
		Conducted	BS EN/EN55015(CISPR15),GB/T 17743				
		Radiated	BS EN/EN55015(CISPR15), GB/T 17743				
SAFETY &		Harmonic Current	BS EN/EN61000-3-2 , GB17625.1	Class C @load≥50%			
EMC		Voltage Flicker	BS EN/EN61000-3-3				
		BS EN/EN61547		–			
		Parameter	Standard	Test Level/Note			
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-3	Level 2			
	EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-4	Level 2			
		Surge	BS EN/EN61000-4-5	Level 3, 1KV/Line-Line			
		Conducted Magnetic Field	BS EN/EN61000-4-6	Level 2 Level 2			
		Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-4-8 BS EN/EN61000-4-11	70% residual voltage for 10			
				period, 0% residual voltage for 0.5 periods			
	FLICKER Note.9	PstLM \leq 1, SVM \leq 0.4 2025 2 K hrs min Tolografia SP 222 (Pollo		2)			
OTHERS	MTBF DIMENSION	3935.2 K hrs min. Telcordia SR-332 (Bellcore); 342.9 Khrs min. MIL-HDBK-217F (25°C) 114*44*32mm (L*W*H)					
	PACKING	311g; 40pcs/13.44Kg/0.95CUFT					
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. Output hiccups under no-load condition. Please refer to "CRIVER METHODS OF LED MODULE". De-rating may be need 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. Based on IEC 62386-101/102 DALI power on timing and interruption regulations, the set up time needs to test with a DALI controller which can support for DALI power on function, otherwise the startup time will be higher than 0.5 second. Standby power consumption is measured at 230VAC. Flicker is measured at full load with the light source provided by MEAN WELL. 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. (as available on https://www.meanvell.com//Upload/PDF/EMI statement en.pdf) RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (ic) point (or TMP, per DLC), is about 75°C or less. Tho turbus sourced from the China regions may not have the BIS lozo, please contact your MEAN WELL sales for more information. To fulfill requirements of the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains. Products sourced from the China regions may not have the BIS lozo, please co						
	 Products sourced from the Amer For more information, please cor 	icas regions may not have the CCC/PSE/BIS/K	C logo. Please contact your MEAN WELL sales for m	ore information.			



40W Multiple-Stage Constant Power/Constant Voltage LED Driver



Note: 1. The operating voltage range which show on this table is recommend to use.



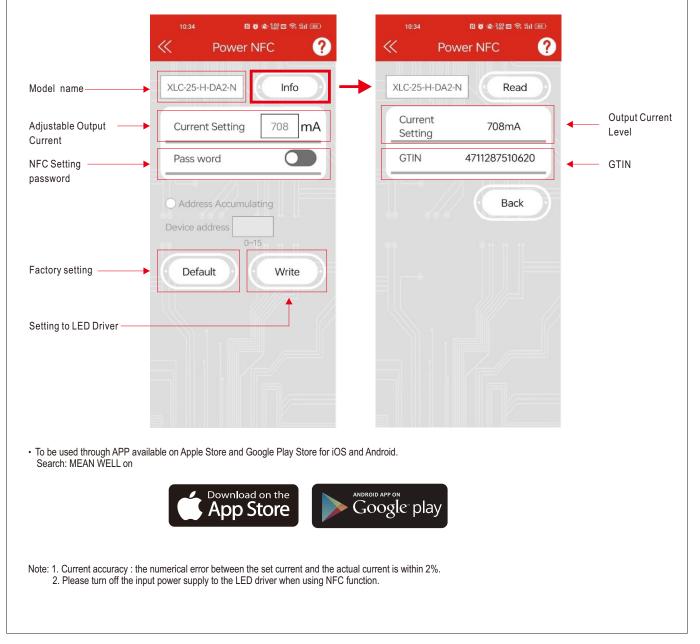
XLN-40 series

NFC Function Description

- 1. The output current of the NFC Mode LED driver can be adjusted using NFC via the mobile APP.
- Operation Instruction: • Compatible phone
- Install an NFC-compatible smart mobile device or phone with AndroidTM 4.1 or IOS12 updates.
- Steps for setting output current via NFC
- 1. Download Meanwell APP on mobile device or mobile phone, and enable NFC function.
- Check the NFC antenna position of the mobile phone please.
 Enter Meanwell APP ->Top left menu –Installation Manual/APP->PowerNFC, approach the LED driver NFC sensing position and perform sensing.
- 4. APP displays the functional parameters, and the relevant parameters are modified as required.
- 5. Tap the APP write button and quickly move the phone antenna close to the NFC sensing position of the LED driver.
- 6. The write completes when the mobile phone displays"Success".

APP Function Description

※ APP Interface:



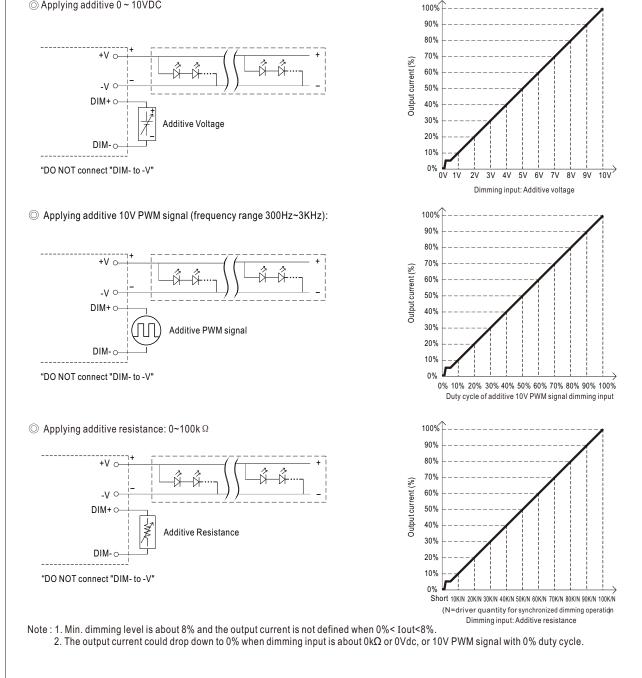


XLN-40 series

DIMMING OPERATION

O B type

- **※** 3 in 1 dimming function
- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: $100 \mu A (typ.)$
- Applying additive 0 ~ 10VDC

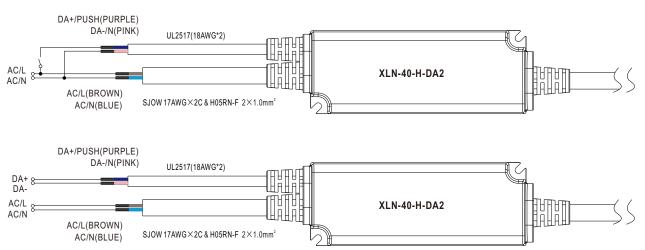




DIMMING OPERATION

◎ DA2 type (DALI-2 digital dimming function)

※ Input wiring diagram



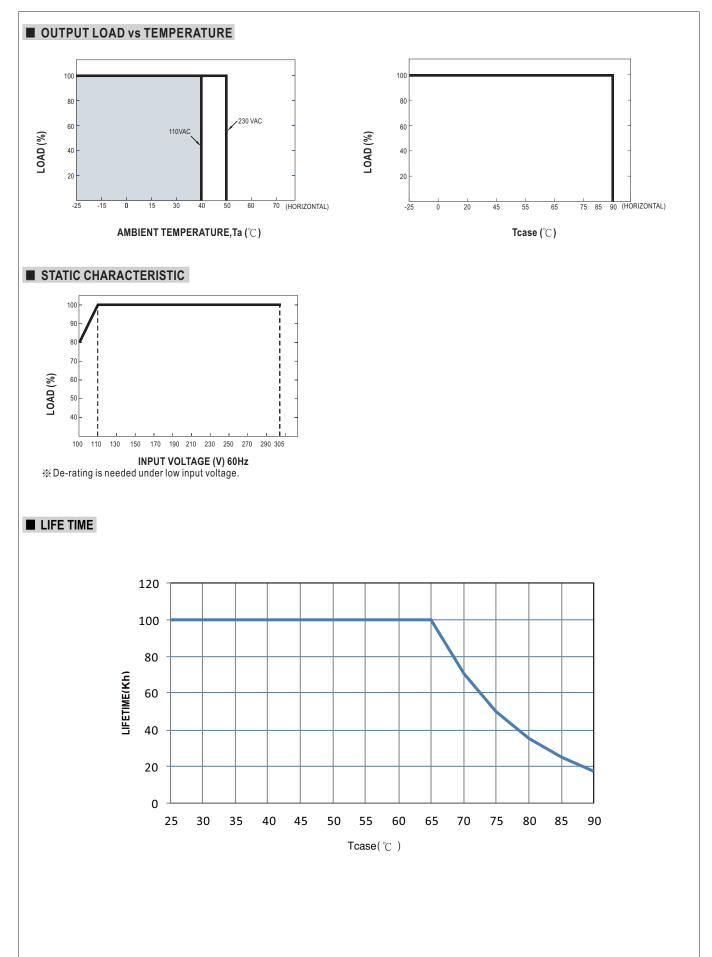
℁PUSH dimming (primary side)

• 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.

Action	Action duration	Function
Short Push	0.1~1s	Turn ON-OFF the driver
Double Click	Click twice in 1.5s	Set up the dimming level to 100%
Long Push	1.5~10s	Every Long Push changes the dimming direction, dimming up or down







10% 20% 30%

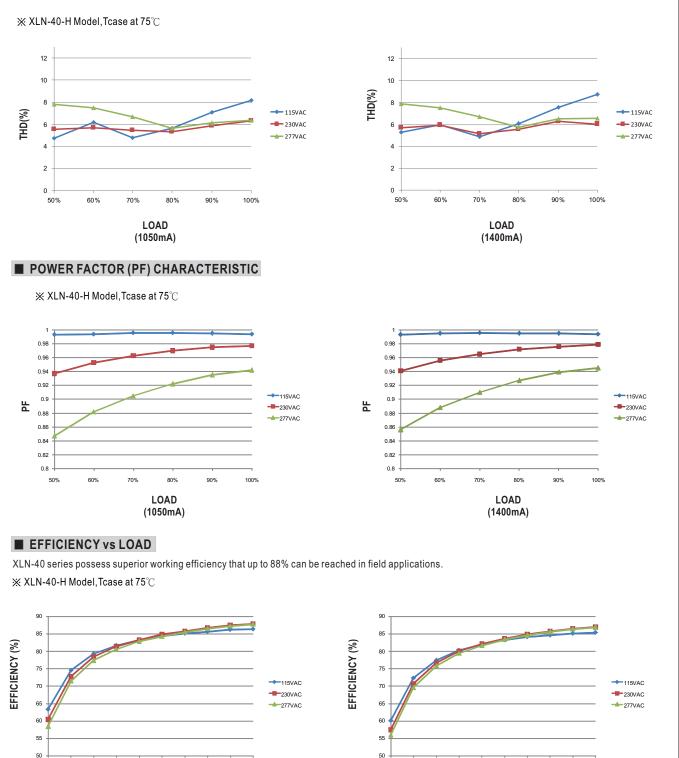
90% 100%

70% 80%

LOAD

(1050mA)

TOTAL HARMONIC DISTORTION (THD)



10%

20% 30% 40%

90% 100%

60% 70%

LOAD

(1400mA)



40W Multiple-Stage Constant Power/Constant Voltage LED Driver

XLN-40 series

