























(Independent type)







Features

- · Constant power mode output with multiple stage selectable by NFC setting (H-type)
- Constant voltage mode output(12V/24V)
- · Plastic housing with class II and PFC design
- · Meet UL 8750 Class 2 / Class P power unit
- · Flicker free, complying with CE ErP directive
- Standby power consumption <0.5W
- Meet emergency lighting (EL) function application
- Fully encapsulated with IP67
- Minimum dimming level 0.1% (DALI-2 DT6)
- Dimming functions: 3 in 1 dimming (Dim-to-off) DALI-2 + Push dimming
- · 5 years warranty

Applications

- · Recessed Light
- Down Light
- Panel Light
- · Commercial Lighting
- · Decorative Lighting
- · LED strip lighting
- · DALI digital Lighting

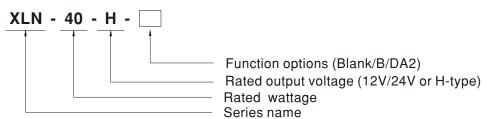
GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

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 $^\circ$ $^\circ$ $^\circ$ 0 $^\circ$ 0 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.

Model Encoding



Type	Function	Note
Blank	H type output current selectable by NFC setting with constant power mode	
Dialik	12, 24V Constant voltage output	In stock
В	H type output current selectable by NFC setting and built in 3 in 1 dimming	III 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.

SPECIFICATION

MODEL		XLN-40-12	X	LN-40-24			
	RATED VOLTAGE	12V	24	4V			
	RATED CURRENT	3.4A	1.	7A			
	RATED POWER Note.2	40.8W	41	0.8W			
DUTPUT	RIPPLE & NOISE (max.) Note.3	120mVp-p	24	40mVp-p			
	VOLTAGE TOLERANCE Note.4	±4.0%					
	LINE REGULATION	±0.5%					
	LOAD REGULATION	±2%					
	SETUP, RISE TIME Note.5	500ms, 100ms/230VAC, 1000ms, 100n	ms/115VAC				
	VOLTAGE RANGE	100 ~ 305VAC 141 ~ 400VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC@full load					
	TOTAL HARMONIC DISTORTION	(Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section) THD<10%(@load≥50%/230VAC; @load≥75%/277VAC), THD<15%(@load≥50%/115VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)					
NPUT	EFFICIENCY (Typ.)	86%	88	3%			
	AC CURRENT	0.5A / 115VAC					
	INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100μs measu	ired at 50% Ipeak) at 230VAC; Pe	r NEMA 410			
	MAX. No. of PSUs on 16A	(, , , , , , , , , , , , , , , , , , ,					
	CIRCUIT BREAKER	51 units (circuit breaker of type B) / 51 un	nits (circuit breaker of type C) at 2	230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC					
		105 ~ 220% rated output power					
	OVER LOAD	Protection type:Hiccup mode, recovers	automatically after fault condition	is removed			
DOTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically aft	<u> </u>				
ROTECTION		13~16V		6 ~ 32V			
	OVER VOLTAGE	Shut down and latch off o/p voltage, re-p	power on to recover				
	OVER TEMPERATURE	Shut down output voltage, recovers automatically after fault condition is removed					
	WORKING TEMP.	Tcase=-25 ~ 90°C (Please refer to " OUT	TPUT LOAD vs TEMPERATURE"	section)			
	MAX. CASE TEMP.	Tcase=90°C					
NVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period fo	or 60min. 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, 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% RH				
		Parameter	Standard		Test Level/Note		
		Conducted	BS EN/EN55015(CISPR	15) ,GB/T 17743			
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR	15) ,GB/T 17743			
		Harmonic Current	BS EN/EN61000-3-2, G	B17625.1	Class C @load≥50%		
SAFETY &		Voltage Flicker	BS EN/EN61000-3-3				
EMC		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	BS EN/EN61000-4-6		Level 2		
		Magnetic Field	BS EN/EN61000-4-8		Level 2		
		Voltage Dips and Interruptions	BS EN/EN61000-4-11		70% residual voltage for 10 period, 0% residual voltage for 0.5 periods		
OTHERS	FLICKER Note.6	6 PstLM ≤ 1, SVM ≤ 0.4					
	MTBF	3935.2 K hrs min. Telcordia SR-332 (Bellcore); 342.9 Khrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	114*44*32mm (L*W*H)					
OTHERS NOTE	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. De-rating may be need under	3935.2 K hrs min. Telcordia SR-332 (Bellcore); 342.9 Khrs min. MIL-HDBK-217F (25°C) 114*44*32mm (L*W*H) 308g; 40pcs/13.32Kg/0.95CUFT mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.					
	DIMENSION						

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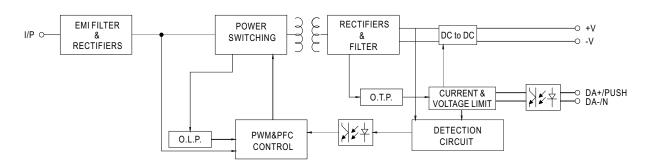


SPECIFICATION

DITAGE Note.2 FAULT CURRENT IRRENT ADJ.RANGE Y NFC) DISTANT CURRENT GION Note.3 ITED POWER Note.4 IRRENT TOLERANCE MINING RANGE ITUP, RISE TIME Note.5,6 DITAGE RANGE EQUENCY RANGE OTAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) AX. NO. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER DISTANDAY ANDBY POWER DISTANDAY FOR TEMPERATURE DISTANDAY DISTANDAY ORAGE TEMP. DORKING TEMP. DORKING TEMP. DORKING HUMIDITY ORAGE TEMP, HUMIDITY MP. COEFFICIENT BRATION	DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to " OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	/277VAC@full load TERISTIC* section) /277VAC), THD<15%(@load ≥ 50%/115VAC) DN(THD)* section) b lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
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RRENT TOLERANCE MMING RANGE LTUP, RISE TIME Note.5,6 DLTAGE RANGE EQUENCY RANGE DWER FACTOR MAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 CURRENT RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER INSUMPTION Note.8 DORT CIRCUIT VER TEMPERATURE DORKING TEMP. AX. CASE TEMP. DORKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	±5% 0~100% 500ms, 100ms/230VAC, 1000ms, 100ms/115VAC 100 ~ 305VAC	/277VAC@full load TERISTIC* section) /277VAC), THD<15%(@load ≥ 50%/115VAC) DN(THD)* section) b lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
MMING RANGE ITUP, RISE TIME Note.5,6 DITAGE RANGE EQUENCY RANGE DITAGE RANGE EQUENCY RANGE DITAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) XX. No. of PSUS on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER INSUMPTION Note.8 DORT CIRCUIT VER TEMPERATURE DORKING TEMP. XX. CASE TEMP. DORKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	0~100% 500ms, 100ms/230VAC, 1000ms, 100ms/115VAC 100 ~ 305VAC 141 ~ 400VDC 47 ~ 63Hz PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92 (Please refer to "POWER FACTOR (PF) CHARAC THD<10%(@load≥50%/230VAC; @load≥75RT/R 88% 0.5A/115VAC 0.25A/230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 52 units (circuit breaker of type B) / 53 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 55 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 55 units (circuit breaker of type B) / 51 units (circuit breaker of typ	/277VAC@full load TERISTIC* section) /277VAC), THD<15%(@load ≥ 50%/115VAC) DN(THD)* section) b lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
TUP, RISE TIME Note.5,6 DITAGE RANGE EQUENCY RANGE EQUENCY RANGE OTAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER INSUMPTION Note.8 IORT CIRCUIT //ER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY IMP. COEFFICIENT BRATION	500ms, 100ms/230VAC, 1000ms, 100ms/115VAC 100 ~ 305VAC 141 ~ 400VDC 47 ~ 63Hz PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92 (Please refer to "POWER FACTOR (PF) CHARAC THD<10%(@load≥50%/230VAC; @load≥75% (Please refer to "TOTAL HARMONIC DISTORTIC 88% 0.5A/115VAC 0.25A/230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 52 units (circuit breaker of type B) / 53 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 55 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 55 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 55 units (circuit breaker of type B) / 54 u	/277VAC@full load TERISTIC* section) /277VAC), THD<15%(@load ≥ 50%/115VAC) DN(THD)* section) b lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
DITAGE RANGE REQUENCY RANGE REQUENCY RANGE REQUENCY RANGE REQUENCY RANGE RECORD NOTE. TAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) XX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT RANDBY POWER ROSUMPTION NOTE.8	100 ~ 305VAC 141 ~ 400VDC 47 ~ 63Hz PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92 (Please refer to "POWER FACTOR (PF) CHARAC THD<10% (@load≥50%/230VAC; @load≥75% (Please refer to "TOTAL HARMONIC DISTORTIC 88% 0.5A/ 115VAC 0.25A / 230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 51 units (circuit breaker of type B) / 52 units (circuit breaker of type B) / 53 units (circuit breaker of type B) / 54 units (circuit breaker of type B) / 52 units (circuit breaker of type B) / 54 units (circuit breaker of type B)	/277VAC@full load TERISTIC* section) /277VAC), THD<15%(@load ≥ 50%/115VAC) DN(THD)* section) b lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
EQUENCY RANGE IVER FACTOR INCOME F	47 ~ 63Hz PF ≥ 0.97/115VAC, PF ≥ 0.95/230VAC, PF ≥ 0.92 (Please refer to "POWER FACTOR (PF) CHARAC THD<10% (@load ≥ 50%/230VAC; @load ≥ 75% (Please refer to "TOTAL HARMONIC DISTORTIC 88% 0.5A/ 115VAC 0.25A / 230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 units (circuit	TERISTIC® section) /277VAC), THD<15%(@load≥50%/115VAC) DN(THD)® section) I lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC Indition is removed Recovers automatically after fault condition is removed a 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE® section)			
OWER FACTOR OTAL HARMONIC DISTORTION FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) XX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER ONSUMPTION Note.8 IORT CIRCUIT VER TEMPERATURE DRKING TEMP. XX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY IMP. COEFFICIENT BRATION	$\begin{split} PF &\geq 0.97/115VAC, PF \geq 0.95/230VAC, PF \geq 0.92/230VAC, PF \geq 0.92/230VAC, PF \geq 0.92/230VAC, PF \geq 0.92/230VAC; PF \geq 0.$	TERISTIC® section) /277VAC), THD<15%(@load≥50%/115VAC) DN(THD)® section) I lpeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC Indition is removed Recovers automatically after fault condition is removed a 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE® section)			
FICIENCY (Typ.) Note.7 C CURRENT RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER DISUMPTION Note.8 HORT CIRCUIT VER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY MP. COEFFICIENT BRATION	THD<10%(@load≥50%/230VAC; @load≥75% (Please refer to "TOTAL HARMONIC DISTORTIVE 88% 0.5A / 115VAC 0.25A / 230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 u	/277VAC), THD<15%(@load≥50%/115VAC) DN(THD)" section) b Ipeak) at 230VAC; Per NEMA 410 it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is reme be 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE" section)			
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CURRENT RUSH CURRENT(Typ.) AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER INSUMPTION Note.8 IORT CIRCUIT //ER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY IMP. COEFFICIENT BRATION	0.5A/115VAC 0.25A/230VAC 0.2A/277VAC COLD START 10A(twidth=100µs measured at 50% 51 units (circuit breaker of type B) / 51 units (circuit or standard or standar	ol peak) at 230VAC; Per NEMA 410 It breaker of type C) at 230VAC Indition is removed Recovers automatically after fault condition is removed a 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
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AX. No. of PSUs on 16A RCUIT BREAKER AKAGE CURRENT ANDBY POWER INSUMPTION Note.8 IORT CIRCUIT VER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY IMP. COEFFICIENT BRATION	51 units (circuit breaker of type B) / 51 units (circuit of ty	it breaker of type C) at 230VAC indition is removed Recovers automatically after fault condition is removed a 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE* section)			
AKAGE CURRENT ANDBY POWER DISUMPTION Note.8 IORT CIRCUIT VER TEMPERATURE DRKING TEMP. LIX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY IMP. COEFFICIENT BRATION	Standby power consumption < 0.5W(Dimming off) Hiccup mode, recovers automatically after fault co Blank & B type: De-rating to lowest output level. DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to "OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	Recovers automatically after fault condition is remonence. 2: De-rating to 50% loading. Recovers automatically. D vs TEMPERATURE" section)			
ANDBY POWER DISUMPTION Note.8 IORT CIRCUIT VER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP, HUMIDITY MP. COEFFICIENT BRATION	Standby power consumption < 0.5W(Dimming off) Hiccup mode, recovers automatically after fault co Blank & B type: De-rating to lowest output level. DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to "OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	Recovers automatically after fault condition is remonence. 2: De-rating to 50% loading. Recovers automatically. D vs TEMPERATURE" section)			
ONSUMPTION Note.8 IORT CIRCUIT VER TEMPERATURE DORKING TEMP. LX. CASE TEMP. DORKING HUMIDITY ORAGE TEMP, HUMIDITY MP. COEFFICIENT BRATION	Hiccup mode, recovers automatically after fault cool Blank & B type: De-rating to lowest output level. DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 \sim 90°C (Please refer to "OUTPUT LOA Tcase=90°C 20 \sim 90% RH non-condensing -40 \sim +80°C, 10 \sim 95% RH \pm 0.03%/°C (0 \sim 50°C) 10 \sim 500Hz, 2G 10min./1cycle, period for 60min. 40	Recovers automatically after fault condition is remonence. 2: De-rating to 50% loading. Recovers automatically. D vs TEMPERATURE" section)			
ORT CIRCUIT VER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	Blank & B type: De-rating to lowest output level. DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to "OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	Recovers automatically after fault condition is remonence. 2: De-rating to 50% loading. Recovers automatically. D vs TEMPERATURE" section)			
VER TEMPERATURE DRKING TEMP. IX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY IMP. COEFFICIENT BRATION	Blank & B type: De-rating to lowest output level. DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to "OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	Recovers automatically after fault condition is remonence. 2: De-rating to 50% loading. Recovers automatically. D vs TEMPERATURE" section)			
VER TEMPERATURE DRKING TEMP. AX. CASE TEMP. DRKING HUMIDITY ORAGE TEMP., HUMIDITY IMP. COEFFICIENT BRATION	DA2 type: Stage 1: De-rating to 75% loading; Stag Tcase=-25 ~ 90°C (Please refer to " OUTPUT LOAT Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, $10 \sim 95\%$ RH $\pm 0.03\%$ /°C (0 ~ 50°C) $10 \sim 500$ Hz, 2G 10 min./1cycle, period for 60 min. 6	e 2: De-rating to 50% loading. Recovers automatically D vs TEMPERATURE" section)			
AX. CASE TEMP. ORKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	Tcase=90°C 20 ~ 90% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH $\pm 0.03\%$ °C (0 ~ 50°C) 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. 6	,			
ORKING HUMIDITY ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	$\begin{array}{l} 20\sim90\%\ RH\ non-condensing \\ -40\sim+80^\circ\mathbb{C}\ ,\ 10\sim95\%\ RH \\ \pm0.03\%/^\circ\mathbb{C}\ \ (0\sim50^\circ\mathbb{C}) \\ 10\sim500\text{Hz}\ ,\ 2\text{G}\ 10\text{min}\ /1\text{cycle}\ ,\ period\ for\ \ 60\text{min}\ .\ \end{array}$	ash alaas V. V. 7 awa			
ORAGE TEMP., HUMIDITY MP. COEFFICIENT BRATION	-40 ~ +80°C, 10 ~ 95% RH $\pm 0.03\% / C \ (0 ~ 50°C)$ 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. 6	ash slagg V. V. 7 aves			
MP. COEFFICIENT BRATION	$\pm 0.03\% / {\rm ^{\circ}C}$ (0 ~ 50 ${\rm ^{\circ}C}$) 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. 6	ash slanz V. V. 7 aves			
BRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min.	ach along V V 7 avec			
	• • • • • • • • • • • • • • • • • • • •				
FETY 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, 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;				
LI STANDARDS	Comply with IEC62386-101,102,207				
THSTAND VOLTAGE	I/P-O/P:3.75KVAC				
DLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH				
	Parameter	Standard	Test Level/Note		
	Conducted	BS EN/EN55015(CISPR15) ,GB/T 17743			
AC EMISSION	Radiated	BS EN/EN55015(CISPR15) ,GB/T 17743			
	Harmonic Current	BS EN/EN61000-3-2 . GB17625.1	Class C @load≥50%		
		· · · · · · · · · · · · · · · · · · ·			
	*				
		Standard	Test Level/Note		
			Level 3, 8KV air ; Level 2, 4KV contact		
			Level 2		
AC IMMUNITY			Level 2		
}	*		Level 3, 1KV/Line-Line		
			Level 2		
-	magnetic Field	DO EIN/EINO I UUU-4-8	Level 2		
	Voltage Dips and Interruptions	BS EN/EN61000-4-11	70% residual voltage for 10 period, 0% residual voltage for 0.5 periods		
ICKER Note.9	$PstLM \leqslant 1, SVM \leqslant 0.4$				
BF	3935.2 K hrs min. Telcordia SR-332 (Bellcore)	342.9 Khrs min. MIL-HDBK-217F (25°C)			
MENSION	114*44*32mm (L*W*H)				
		1.05%			
Output hiccups under no-load con Please refer to "DRIVER METHO De-rating may be need under low Length of set up time is measured Based on IEC 62386-101/102 DA power on function, otherwise the - Efficiency is measured at 800mA/ Standby power consumption is me Flicker is measured at full load wit The driver is considered as a co installation, the final equipment re (as available on https://www.nes RCM is on a voluntary basis. No	dition. DS OF LED MODULE". input voltages. Please refer to "STATIC CHARAC I at first cold start. Turning ON/OFF the driver ma L power on timing and interruption regulations, th startup time will be higher than 0.5 second. 50V by NFC. assured at 230VAC. th the light source provided by MEAN WELL. mponent that will be operated in combination with nanufacturers must re-qualify EMC Directive on the source provided by MEAN WELL in Classification Independent LED control gear expectancy of >50,000 hours of operation when g of 3.5 °C/1000m with fainless models and 5 °C/n terP regulation for lighting fixture, this LED driver	TERISTIC" sections for details. I lead to increase of the set up time. e set up time needs to test with a DALI controller with a DALI c	ected by the complete out 75°C or less. han 2000m(6500ft). http://doi.org/10.		
ICI Br ME CK All Ou Plee Ba por Effici (& R	IMMUNITY SER Note.9 NSION ING parameters NOT specially mer tyut hiccups under no-load cor asse refer to "DRIVER METHO-rating may be need under low index of the control	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions KER Note.9 PstLM ≤ 1, SVM ≤ 0.4 : 3935.2 K hrs min. Telcordia SR-332 (Bellcore); NSION 114*44*32mm (L*W*H) SING 311g; 40pcs/13.44Kg/0.95CUFT parameters NOT specially mentioned are measured at 230VAC input, rated curre typut hiccups under no-load condition. Jase refer to "DRIVER METHODS OF LED MODULE". -rating may be need under low input voltages. Please refer to "STATIC CHARAC and the startup time will be higher than 0.5 second. cicency is measured at 800mA/50V by NFC. Indby power consumption is measured at 230VAC. Sker is measured at 151 down with the light source provided by MEAN WELL. he driver is considered as a component that will be operated in combination with stallation, the final equipment manufacturers must re-qualify EMC Directive on this savailable on https://www.meanvell.com//Upload/PDF/EMI statement_en.pdf) CM is on a voluntary basis. Non IC classification Independent LED control gear in his series meets the typical life expectancy of >50,000 hours of operation when The ambient temperature de-rating of 3.5°C/1000m with fanless models and 5°C/1 fulfill requirements of the latest ETP regulation for lighting fixture, this LED driver roducts sourced from the Americas regions may not have the CCC/PSE/BIS/KC	Harmonic Current Voltage Flicker BS EN/EN61000-3-2 , GB17625.1 Voltage Flicker BS EN/EN61000-3-3 BS EN/EN61547 Parameter Standard ESD BS EN/EN61000-4-2 Radiated BS EN/EN61000-4-3 EFT/Burst BS EN/EN61000-4-4 Surge BS EN/EN61000-4-5 Conducted BS EN/EN61000-4-6 Magnetic Field BS EN/EN61000-4-8 Voltage Dips and Interruptions BS EN/EN61000-4-11 KER Note.9 PstLM ≤ 1, SVM ≤ 0.4 Surge BS EN/EN61000-4-11 Surge BS EN/EN61000-4-11 SEN/EN61000-4-11 SURGE Surge Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger Surger S		



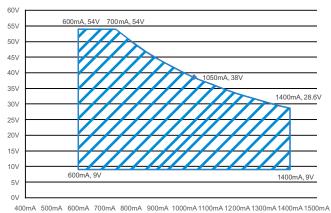
■ BLOCK DIAGRAM



■ DRIVING METHODS OF LED MODULE

O XLN-40-H

For 40W application



■ CONSTANT POWER TABLE

 $XLN-40-H\ is\ a\ multiple-stage\ constant\ power\ driver,\ selection\ of\ output\ current\ through\ NFC\ setting\ is\ exhibited\ below.$

Vo	lo
9~54V	600mA
9~54V	700mA
9~50V	800mA
9~45V	900mA
9~38V	1050mA(default)
9~33V	1200mA
9~31V	1300mA
9~29V	1400mA

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



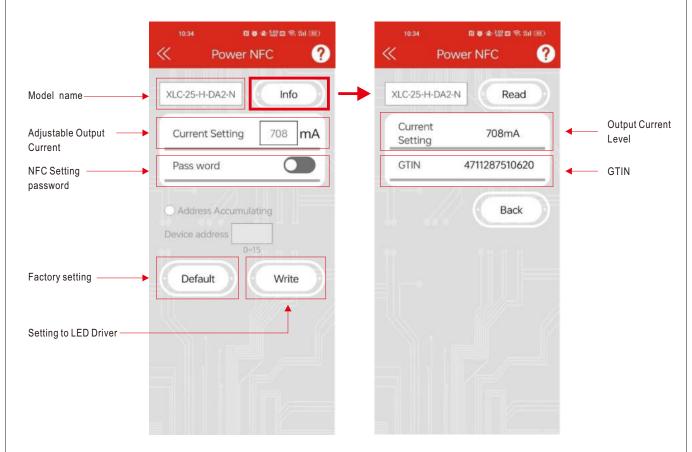
■ NFC Function Description

- 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.
- 2. Check the NFC antenna position of the mobile phone please.

 3. 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:



• To be used through APP available on Apple Store and Google Play Store for iOS and Android. Search: MEAN WELL on





Note: 1. Current accuracy: the numerical error between the set current and the actual current is within 2%. 2. Please turn off the input power supply to the LED driver when using NFC function.

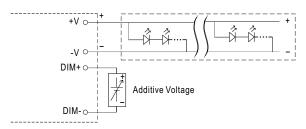


■ DIMMING OPERATION

B type

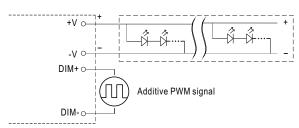
% 3 in 1 dimming function

- 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 μ A (typ.)



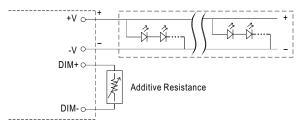
"DO NOT connect "DIM- to -V"

O Applying additive 10V PWM signal (frequency range 300Hz~3KHz):

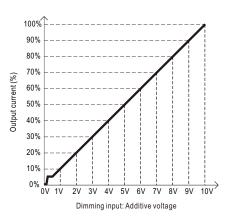


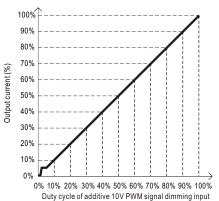
"DO NOT connect "DIM- to -V"

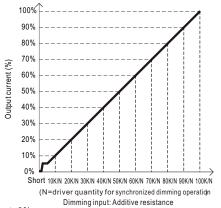
 \bigcirc Applying additive resistance: 0~100k Ω



"DO NOT connect "DIM- to -V"







Note: 1. Min. dimming level is about 8% and the output current is not defined when 0% < Iout < 8%.

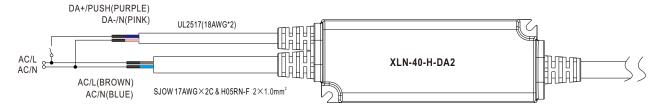
2. The output current could drop down to 0% when dimming input is about 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.

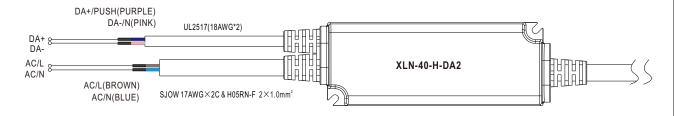


■ DIMMING OPERATION

O DA2 type (DALI-2 digital dimming function)

※ Input wiring diagram





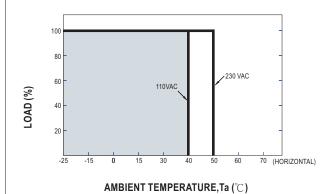
★PUSH dimming (primary side)

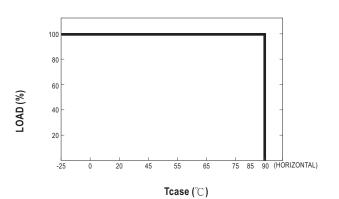
- The factory default dimming level is at 100%.
- If the push action lasts less than 0.05 sec., it will not lead to a change for the status of the driver.
 Up to 10 drivers can perform the PUSH dimming at the same time when utilizing one common push button.
 The maximum length of the cable from the push 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

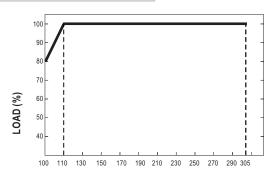


■ OUTPUT LOAD vs TEMPERATURE

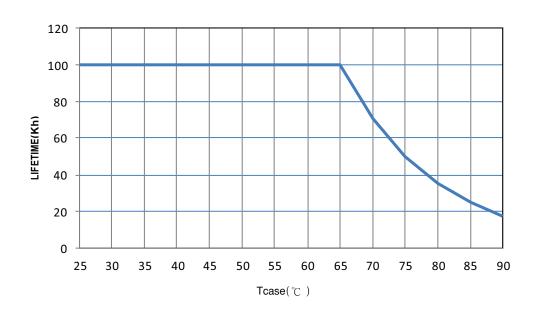




■ STATIC CHARACTERISTIC



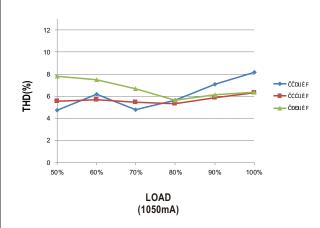
■ LIFE TIME

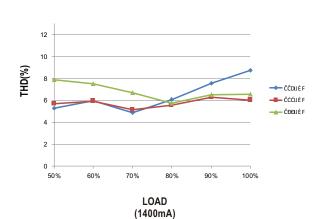




■ TOTAL HARMONIC DISTORTION (THD)

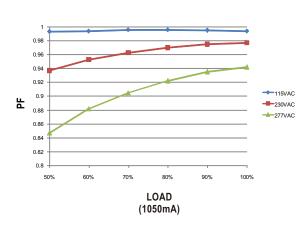
 \times XLN-40-H Model, Tcase at 75 $^{\circ}$ C

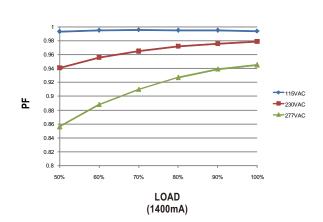




■ POWER FACTOR (PF) CHARACTERISTIC

XLN-40-H Model, Tcase at 75[°]
 C





■ EFFICIENCY vs LOAD

XLN-40 series possess superior working efficiency that up to 88% can be reached in field applications.

imes XLN-40-H Model,Tcase at 75 $^{\circ}$ C

