

Наличие и актуальные цены на

# XLN-60-48-DA2

https://www.meanwell.ru/store/XLN-60-48-DA2/



XLN-60 series





(Independent type)





## Features

- Constant power mode output with multiple stage selectable by NFC setting (H-type)
- Constant voltage mode output available(12/24/48V)
- · Plastic housing with class II and PFC design
- Meet UL8750 Class 2 / Class P power unit
- Flicker free, complying with CE ErP directive
- Standby power consumption <0.5W
- Meet emergency lighting (EL) 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

## Description

XLN-60 Series is a 60W with constant power and constant voltage output LED driver . It can operate from 100~305VAC and output current ranging between 900 mA to 1700 mA selectable by NFC setting. Thanks to high efficiency up to 90%, it is able to operate for  $-25^{\circ}C$  ~90°C case temperature under free air convection. XLN-60 is designed based on latest safety regulation with 3 in 1 and DALI-2 dimming. XLN-60 can be adjusted for brightness with a push button as a simple way dimming, so it provides more flexibility for LED Lighting application.

•	Model E XLN - 6			
		Series name		
	Туре	Function	Note	
	Blank	H type output current selectable by NFC setting with constant power mode		
		12, 24, 48V Constant voltage output		
Γ	В	H type output current selectable by NFC setting and built-in 3 in 1 dimming		
		12, 24, 48V Constant voltage output and built-in 3 in 1 Dimming(PWM Style output)		
Ī	DA2	H type output current selectable by NFC setting and built-in DALI-2 dimming		
		12, 24, 48V Constant voltage output and built-in DALI-2(PWM Style output)		

Note: 1. 12/24/48V output is fixed without NFC Function.

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

## Applications

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

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>



#### SPECIFICATION

MODEL		XLN-60-12-	XLN-60-24-	XLN-60-48-			
	DC VOLTAGE	12V	24V	48V			
OUTPUT	DEFAULT CURRENT	5A	2.5A	1.25A			
011 01	RATED POWER	60W	60W	60W			
	SETUP, RISE TIME	800ms,180ms/230VAC ,1000ms,180ms	s/115VAC				
	VOLTAGE RANGE	100~305VAC 155~400VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR	PF≥0.95/115VAC, PF≥0.95/230VAC, PF≥0.9/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	TOTAL HARMONIC DISTORTION	THD< 20%(@load ≥60%/230VAC; @load ≥75%/277VAC), THD<10%@load 100%/230VAC (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)					
	EFFICIENCY(Typ.)	86%	87%	88%			
NPUT	AC CURRENT	0.75A/115VAC, 0.35A/230VAC, 0.3A/27	7VAC				
	INRUSH CURRENT	COLD START 15A(twidth=310µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A	25 units (circuit breaker of type B) / 36 units (circuit breaker of type C) at 230VAC					
	CIRCUIT BREAKER						
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY POWER Note5 CONSUMPTION	Standby power consumption<() 5/V(1)immind ()EE only for standard version B/DA2-type)					
	OVERLOAD	105~200% rated output power					
		Protection type: Hiccup mode, recovers automatically after fault condition is removed.					
ROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically af					
	OVER VOLTAGE	14-17V	26-35V	52-63V			
	OVER VOLIAGE	Shut down output voltage, re-power on	to recover				
	OVER TEMPERATURE	Shut down output voltage, recovers automatically after fault condition is removed					
	WORKING TEMP.	Tcase=-25~90℃ (Please refer to " OUT	PUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=90 ℃					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
NVIRONMENT	STORAGE TEMP., HUMIDITY						
	TEMP. COEFFICIENT						
	VIBRATION	±0.03%/°C (0~50°C)					
	SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes UL8750(type "HL" and Class P),CSA C22.2 No. 250.13-12;ENEC BS EN/EN61347-1, BS EN/EN61347-2-13(EL) appendix J suitable for emergency installations(DC input 176-280VDC); BS EN/EN62384 independent, BIS IS15885(Part2/Sec13)(NOTE 13 GB19510.14, GB19510.1, EAC TP TC 004 approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13					
	DALI STANDARDS	Comply with IEC62386-101, 102, 207					
AFETY&EMC	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			
	EMC EMISSION	Conducted Radiated	BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2 , GB17625.1	Class C @load≥60%			
		Voltage Flicker	BS EN/EN61000-3-3				
		BS EN/EN61547	01	<b>T</b>			
	EMC IMMUNITY	Parameter ESD	Standard BS EN/EN61000-4-2	Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-3	Level 2			
		EFT/Burst	BS EN/EN61000-4-4	Level 2			
		Surge	BS EN/EN61000-4-5 BS EN/EN61000-4-6	Level 3, 1KV/Line-Line			
		Conducted Magnetic Field	BS EN/EN61000-4-6 BS EN/EN61000-4-8	Level 2 Level 2			
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	70% residual voltage for 10 period, 0% residual voltage for 0.5 periods			
	FLICKER Note.9	$PstLM \leqslant$ 1, $SVM \leqslant$ 0.4					
THERS	MTBF	4053.7K hrs min. Telcordia SR-332 (Bellcore) 329.4Khrs min. MIL-HDBK-217F (25°C)					
THERS	DIMENSION	141.5*49*32mm(L*W*H)					
	PACKING	0.49Kg ; 30pcs/15.7Kg/0.81CUFT					
NOTE	<ul> <li>permanently connected to the mains.</li> <li>9. Flicker is measured at full load with the light source provided by MEAN WELL.</li> <li>10. RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations.</li> <li>11. This series meets the typical life expectancy of 50000 hours of operation when Tcase, particularly tc point(or TMP,per DLC), is about 75°C or less.</li> <li>12. For more information, please contact with MEAN WELL sales.</li> </ul>						
	<ol> <li>This series meets the t is about 75°C or less.</li> <li>For more information, p</li> <li>Products sourced from for details and contact</li> </ol>	ypical life expectancy of 50000 hours of please contact with MEAN WELL sales the China regions and some models s your MEAN WELL sales for more infor	of operation when Tcase,particularly tc p  sourced from India may not have the BI	oint(or TMP,per DLC), S logo,please refer to BIS certificate			

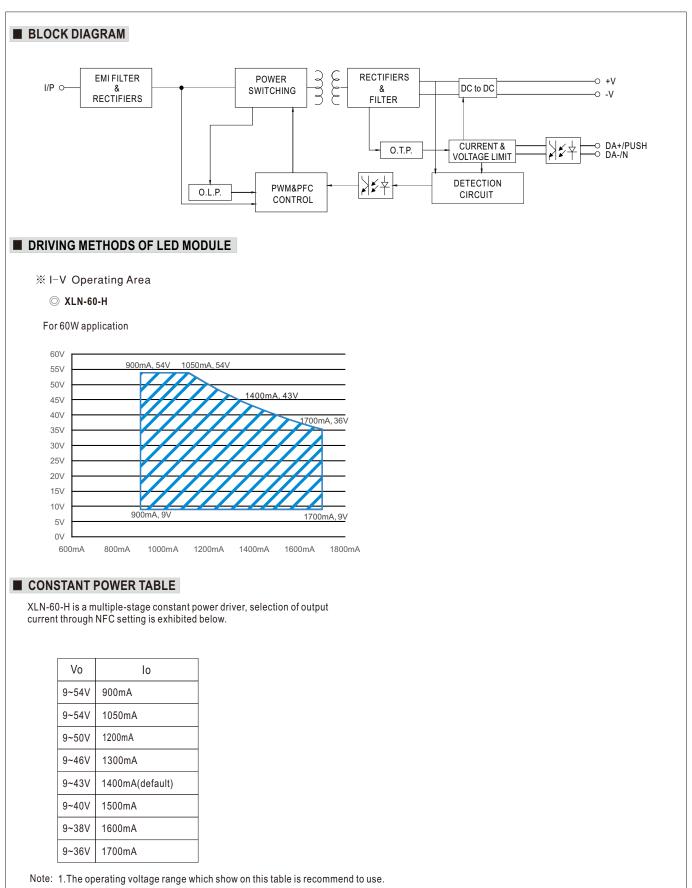


#### SPECIFICATION

MODEL								
MODEL		XLN-60-H- 🗌						
OPEN CIRCUIT VOLTAGE		60V						
	DEFAULT CURRENT	1400mA						
	CURRENT ADJ. RANGE							
	(BY NFC)	0.9~1.7A						
OUTPUT	CONSTANT CURRENT REGION	9~54V						
	RATED POWER	60W						
	CURRENT RIPPLE Note4	<4%						
	CURRENT TOLERANCE	±5%						
	DIMMING RANGE	0~100%						
	SETUP, RISE TIME Note14	800ms,100ms/230VAC ,1000ms,100ms/1	15VAC					
	VOLTAGE RANGE	100~305VAC 155~400VDC						
	FREQUENCY RANGE	47~63Hz						
	TREQUENCT RANGE							
	POWER FACTOR	PF≥0.95/115VAC, PF≥0.95/230VAC, PF≥0.9/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)						
	TOTAL HARMONIC DISTORTION	THD< 20%(@load ≥60%/230VAC; @load ≥75%/277VAC), THD<10%@load 100%/230VAC (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)						
INPUT	EFFICIENCY(Typ.) Note12	90%						
	AC CURRENT	0.75A/115VAC, 0.35A/230VAC, 0.3A/277VAC						
	INRUSH CURRENT	COLD START 15A(twidth=310µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	MAX. NO. of PSUs on 16A							
	CIRCUIT BREAKER	25 units (circuit breaker of type B) / 36 units (circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	STANDBY POWER Note5							
	CONSUMPTION	Standby power consumption<0.5W (Dimming off, only for standard version B/DA2-type)						
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed						
PROTECTION		DA2 type: Stage 1: Derating to 75% loading; stage2: Derating to 50% loading;						
	OVER TEMPERATURE	Recovers automatically after fault condition is removed						
		Blank & B type: Derating to lowest output level, Recovers automatically after fault condition is removed						
	WORKING TEMP.	Tcase=-25~90°C (Please refer to " OUTPUT LOAD vs TEMPERATURE" 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°C)						
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for	60min. each along X, Y, Z axes					
		UL8750(type"HL" and Class P).CSA C22.	2 No. 250.13-12; ENEC BS EN/EN61347-1, B	S EN/EN61347-2-13(EL) appendix J				
	SAFETY STANDARDS		put 176-280VDC); BS EN/EN62384 independ					
		<b>U</b>						
	DALI STANDARDS	GB19510.14, GB19510.1, EAC TP TC 004 approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13           ALI 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	0% RH					
		Parameter	Standard	Test Level/Note				
		Conducted	BS EN/EN55015(CISPR15), GB/T 17743					
SAFETY&EMC	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15) ,GB/T 17743	  Class C @lasd>60%				
SAFETY&EMC	EMC EMISSION	Radiated Harmonic Current	BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 , GB17625.1	Class C @load≥60%				
SAFETY&EMC	EMC EMISSION	Radiated Harmonic Current Voltage Flicker	BS EN/EN55015(CISPR15) ,GB/T 17743					
SAFETY&EMC	EMC EMISSION	Radiated Harmonic Current	BS EN/EN55015(CISPR15) ,GB/T 17743 BS EN/EN61000-3-2 , GB17625.1	Class C @load≥60%				
SAFETY&EMC	EMC EMISSION	Radiated Harmonic Current Voltage Flicker BS EN/EN61547	BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3	Class C @load≥60%				
SAFETY&EMC		Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated	BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Class C @load≥60%  <b>Test Level/Note</b> Level 3, 8KV air ; Level 2, 4KV contact Level 2				
SAFETY&EMC	EMC EMISSION	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst	BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Class C @load≥60%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2				
SAFETY&EMC		Radiated           Harmonic Current           Voltage Flicker           BS EN/EN61547           Parameter           ESD           Radiated           EFT/Burst           Surge	BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Class C @load≥60%  <b>Test Level/Note</b> Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line				
SAFETY&EMC		Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-5           BS EN/EN61000-4-5	Class C @load≥60%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 3, 1KV/Line-Line Level 2				
SAFETY&EMC		Radiated           Harmonic Current           Voltage Flicker           BS EN/EN61547           Parameter           ESD           Radiated           EFT/Burst           Surge	BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Class C @load≥60%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2, 1KV/Line-Line Level 2 Level 2				
SAFETY&EMC		Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-5           BS EN/EN61000-4-5	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 Level 2 T0% residual voltage for 10				
SAFETY&EMC		Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions	BS EN/EN55015(CISPR15),GB/T 17743           BS EN/EN61000-3-2,GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-8	Class C @load≥60%  Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2, 1KV/Line-Line Level 2 Level 2				
SAFETY&EMC	EMC IMMUNITY FLICKER Note9	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods				
SAFETY&EMC	EMC IMMUNITY FLICKER Note9 MTBF	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods				
	EMC IMMUNITY FLICKER Note9	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods				
	EMC IMMUNITY FLICKER Note9 MTBF	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 T0% residual voltage for 10 period, 0% residual voltage for 0.5 periods				
	EMC IMMUNITY FLICKER Note9 MTBF DIMENSION PACKING	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2 Level 2 T0% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11   re) 329.4Khrs min. MIL-HDBK-217F (25%) C input, rated current and 25% of ambie to "STATIC CHARACTERISTIC" sections	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11           re)         329.4Khrs min. MIL-HDBK-217F (25%)           C input, rated current and 25°C of ambie to "STATIC CHARACTERISTIC" sections           DFF the driver may lead to increase of the driver may lead to increase driver may lead to increase of the driver may lead to increase d	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measure	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11           re)         329.4Khrs min. MIL-HDBK-217F (25%)           C input, rated current and 25°C of ambie to "STATIC CHARACTERISTIC" sections           DFF the driver may lead to increase of the driver may lead to increase driver may lead to increase of the driver may lead to increase d	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consumpti	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM $\leq$ 1, SVM $\leq$ 0.4         4053.7Khrs min. Telcordia SR-332 (Bellco         141.5*49*32mm (L*W*H)         0.49Kg ; 30pcs/15.7Kg/0.81CUFT         ally mentioned are measured at 230VA         under low input voltages. Please refer /         easured at first cold start. Turning ON/d         50%~100% of maximum voltage under on is measured at 230VAC.	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-8           BS EN/EN61000-4-11   C input, rated current and 25°C of ambie to "STATIC CHARACTERISTIC" sections DFF the driver may lead to increase of the rated power delivery.	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 Level 2 C)  nt temperature. s for details. e set up time.				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consumpt 6. The driver is considered a affected by the complete i	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM <= 1, SVM <= 0.4	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)  nt temperature. 6 for details. e set up time. EMC performance will be				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measure 5. Standby power consumpti 6. The driver is considered a affected by the complete i (as available on https://www.available.com.on the standard com.on the sta	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM <= 1, SVM <= 0.4	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-4         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-8         BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 T0% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)  nt temperature. for details. e set up time. EMC performance will be the complete installation again.				
	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measure 5. Standby power consumpt 6. The driver is considered a affected by the complete i (as available on https://ww 7. The ambient temperature	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM <= 1, SVM <= 0.4	BS EN/EN55015(CISPR15), GB/T 17743           BS EN/EN61000-3-2, GB17625.1           BS EN/EN61000-3-3           Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5           BS EN/EN61000-4-6           BS EN/EN61000-4-6           BS EN/EN61000-4-11	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods C)  nt temperature. for details. e set up time. EMC performance will be the complete installation again.				
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OTHERS	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consumpti 6. The driver is considered a affected by the complete i (as available on https://ww 7. The ambient temperature than 2000m(6500ft). 8. To fulfill requirements of th permanently connected to 9. Flicker is measured at full 10. RCM is on a voluntary bo 11. This series meets the typ 12. Efficiency is measured a 13. Products sourced from t	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM $\leq 1$ , SVM $\leq 0.4$ 4053.7Khrs min. Telcordia SR-332 (Bellco         141.5*49*32mm (L*W*H)         0.49Kg ; 30pcs/15.7Kg/0.81CUFT         ally mentioned are measured at 230VA         under low input voltages. Please refer         easured at first cold start. Turning ON/d         d 50%~100% of maximum voltage unde         on is measured at 230VAC.         s a component that will be operated in         nstallation, the final equipment manufac         w.meanwell.com//Upload/PDF/EMI_sta         derating of 3.5°C/1000m with fanless m         elatest ErP regulation for lighting fixtur         the mains.         load with the light source provided by N         asis. Non IC classification Independent         ical life expectancy of 50000 hours of c         t 1050mA/54V output set by DIP switch         we China regions and some models sou	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-4         BS EN/EN61000-4-5         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-75         BS EN/EN61000-4-8         BS EN/EN61000-4-11    C input, rated current and 25°C of ambies to "STATIC CHARACTERISTIC" sections DFF the driver may lead to increase of the rated power delivery. combination with final equipment. Since sturers must re-qualify EMC Directive on attement_en.pdf) todels and of 5°C/1000m with fan models e, this LED driver can only be used behind MEAN WELL. LED control gear is not suitable for resid poeration when Tcase, particularly tc point Triced from India may not have the BIS log	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods C) The temperature. for details. e set up time. EMC performance will be the complete installation again. for operating altitude higher and a switch without ential installations. (or TMP, per DLC), is about 75°C or less.				
OTHERS	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consulpti 6. The driver is considered a affected by the complete i (as available on https://ww 7. The ambient temperature than 2000m(6500ft). 8. To fulfill requirements of th permanently connected to 9. Flicker is measured at full 10. RCM is on a voluntary b 11. This series meets the typ 12. Efficiency is measured a 13. Products sourced from tt for details and contact you	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM $\leq$ 1, SVM $\leq$ 0.4         4053.7Khrs min. Telcordia SR-332 (Bellco         141.5*49*32mm (L*W*H)         0.49Kg ; 30pcs/15.7Kg/0.81CUFT         ally mentioned are measured at 230VA         under low input voltages. Please refer         easured at first cold start. Turning ON/C         don's measured at 230VAC.         s a component that will be operated in         nstallation, the final equipment manufactor         w.meanwell.com//Upload/PDF/EML_stat         derating of 3.5°C/1000m with fanless m         telatest ErP regulation for lighting fixtur         the mains.         load with the light source provided by Nasis. Non IC classification Independent         ical life expectancy of 50000 hours of c         tasis. Non IC classification more informat         ical life expectancy of 50000 hours of c         tasis. Non IC classification more informat         ical life expectancy of 50000 hours of c         tasis. Non	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-3         BS EN/EN61000-4-5         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-75         BS EN/EN61000-4-8         BS EN/EN61000-4-11    re) 329.4Khrs min. MIL-HDBK-217F (25°)          C input, rated current and 25°C of ambies         to "STATIC CHARACTERISTIC" sections         DFF the driver may lead to increase of the arrated power delivery.         combination with final equipment. Since currents must re-qualify EMC Directive on atement_en.pdf)         todels and of 5°C/1000m with fan models         e, this LED driver can only be used behing         MEAN WELL.         LED control gear is not suitable for resid operation when Tcase, particularly tc point	Class C @load≥60% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 2 Town residual voltage for 10 period, 0% residual voltage for 0.5 periods C) t temperature. s for details. e set up time. EMC performance will be the complete installation again. for operating altitude higher and a switch without ential installations. (or TMP, per DLC), is about 75°C or less. go,please refer to BIS certificate				
OTHERS	EMC IMMUNITY         FLICKER       Note9         MTBF       DIMENSION         PACKING       1. All parameters NOT speci         2. De-rating may be needed       3. Length of set up time is m         4. Current ripple is measured       5. Standby power consumpti         6. The driver is considered a affected by the complete i (as available on https://www.image.com/d6500ft).       8. To fulfill requirements of the permanently connected to 0. Flicker is measured at full 10. RCM is on a voluntary bit. This series meets the typ; 12. Efficiency is measured at 13. Products sourced from the for details and contact yo; 14. Based on IEC 62386-10.	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM $\leq$ 1, SVM $\leq$ 0.4         4053.7Khrs min. Telcordia SR-332 (Bellco         141.5*49*32mm (L*W*H)         0.49Kg ; 30pcs/15.7Kg/0.81CUFT         ally mentioned are measured at 230VA         under low input voltages. Please refer         easured at first cold start. Turning ON/C         50%-100% of maximum voltage under         on is measured at 230VAC.         s a component that will be operated in         nstallation, the final equipment manufact         w.meanwell.com//Upload/PDF/EML_stat         derating of 3.5°C/1000m with fanless me         te latest ErP regulation for lighting fixtur         the mains.         load with the light source provided by N         asis. Non IC classification Independent         ical life expectancy of 50000 hours of c         to150mA/54V output set by DIP switch         ne China regions and some models sou         ur MEAN WELL sales for more information	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-4         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-7         BS EN/EN61000-4-8         BS EN/EN61000-4-11         C input, rated current and 25°C of ambie to "STATIC CHARACTERISTIC" sections DFF the driver may lead to increase of the rated power delivery.         combination with final equipment. Since currers must re-qualify EMC Directive on takement_en.pdf)         indels and of 5°C/1000m with fan models         e, this LED driver can only be used behimation.         MEAN WELL.         LED control gear is not suitable for resid operation when Tcase, particularly to point the periation when Tcase, particularly to point the periation.         riton.         piton regulations, the set up time needs 1	Class C @load≥60% Class C @loa				
OTHERS	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consumpti 6. The driver is considered a affected by the complete i (as available on https://ww 7. The ambient temperature than 2000m(6500ft). 8. To fulfill requirements of th permanently connected to 9. Flicker is measured at full 10. RCM is on a voluntary bi 11. This series meets the typ 12. Efficiency is measured a 13. Products sourced from tf for details and contact yc 14. Based on IEC 62386-10 which can support for DA	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM $\leq$ 1, SVM $\leq$ 0.4         4053.7Khrs min. Telcordia SR-332 (Bellco         141.5*49*32mm (L*W*H)         0.49Kg ; 30pcs/15.7Kg/0.81CUFT         ally mentioned are measured at 230VA         under low input voltages. Please refer         easured at first cold start. Turning ON/C         50%-100% of maximum voltage under         on is measured at 230VAC.         s a component that will be operated in         nstallation, the final equipment manufact         w.meanwell.com//Upload/PDF/EML_stat         derating of 3.5°C/1000m with fanless me         te latest ErP regulation for lighting fixtur         the mains.         load with the light source provided by N         asis. Non IC classification Independent         ical life expectancy of 50000 hours of c         to150mA/54V output set by DIP switch         ne China regions and some models sou         ur MEAN WELL sales for more information	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-3         BS EN/EN61000-4-5         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-75         BS EN/EN61000-4-8         BS EN/EN61000-4-11    re) 329.4Khrs min. MIL-HDBK-217F (25°)          C input, rated current and 25°C of ambies         to "STATIC CHARACTERISTIC" sections         DFF the driver may lead to increase of the arrated power delivery.         combination with final equipment. Since currents must re-qualify EMC Directive on atement_en.pdf)         todels and of 5°C/1000m with fan models         e, this LED driver can only be used behing         MEAN WELL.         LED control gear is not suitable for resid operation when Tcase, particularly tc point	Class C @load≥60% Class C @loa				
OTHERS	EMC IMMUNITY  FLICKER Note9  MTBF  DIMENSION  PACKING  1. All parameters NOT speci 2. De-rating may be needed 3. Length of set up time is m 4. Current ripple is measured 5. Standby power consumpti 6. The driver is considered a affected by the complete i (as available on https://ww 7. The ambient temperature than 2000m(6500ft). 8. To fulfill requirements of th permanently connected to 9. Flicker is measured at full 10. RCM is on a voluntary bo 11. This series meets the typ 12. Efficiency is measured at 13. Products sourced from tf 13. Products sourced from tf 14. Based on IEC 62386-10 which can support for D4 15. Output hiccups under no	Radiated         Harmonic Current         Voltage Flicker         BS EN/EN61547         Parameter         ESD         Radiated         EFT/Burst         Surge         Conducted         Magnetic Field         Voltage Dips and Interruptions         PstLM <= 1, SVM <= 0.4	BS EN/EN55015(CISPR15), GB/T 17743         BS EN/EN61000-3-2, GB17625.1         BS EN/EN61000-3-3         Standard         BS EN/EN61000-4-2         BS EN/EN61000-4-2         BS EN/EN61000-4-3         BS EN/EN61000-4-4         BS EN/EN61000-4-6         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-6         BS EN/EN61000-4-7         BS EN/EN61000-4-7         BS EN/EN61000-4-8         BS EN/EN61000-4-11         C input, rated current and 25°C of ambie to "STATIC CHARACTERISTIC" sections DFF the driver may lead to increase of the rated power delivery.         combination with final equipment. Since currers must re-qualify EMC Directive on takement_en.pdf)         indels and of 5°C/1000m with fan models         e, this LED driver can only be used behimation.         MEAN WELL.         LED control gear is not suitable for resid operation when Tcase, particularly to point the periation when Tcase, particularly to point the periation.         riton.         piton regulations, the set up time needs 1	Class C @load≥60% Class C @loa				



60W Multiple-Stage Constant Power/Constant Voltage LED Driver





## XLN-60 series

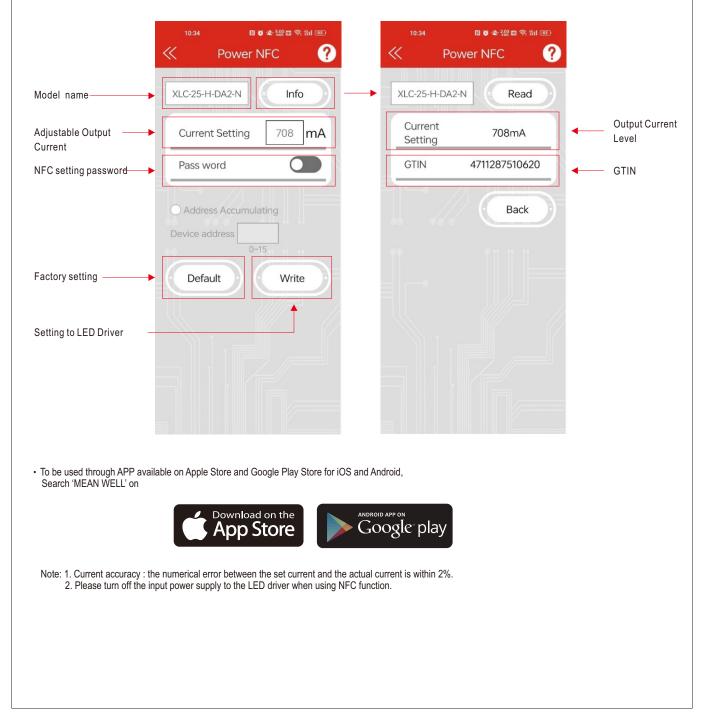
#### NFC Function Description

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 Android<sup>™</sup> 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**

#### **X APP Interface:**



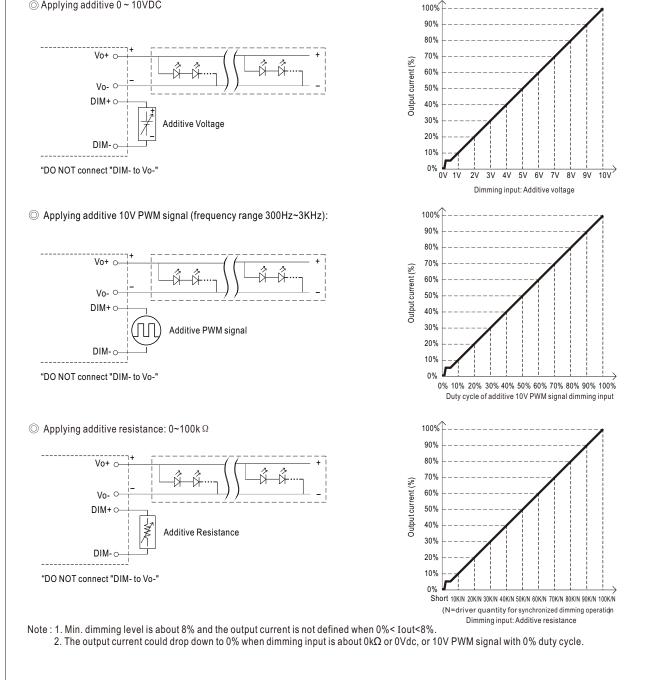


## XLN-60 series

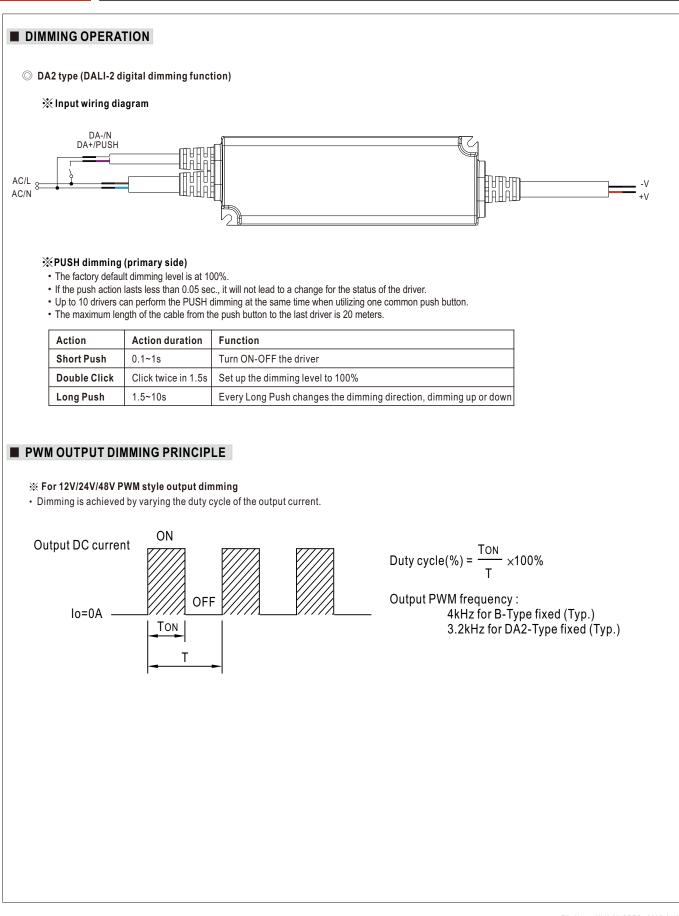
#### DIMMING OPERATION

#### O B type

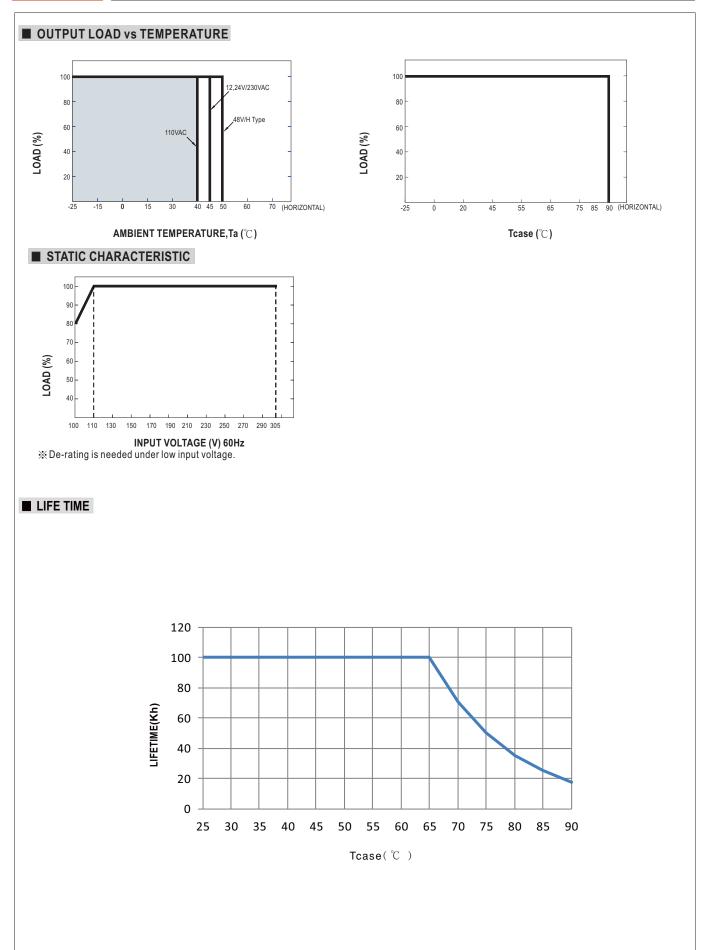
- **※** 3 in 1 dimming function
- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-: 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source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





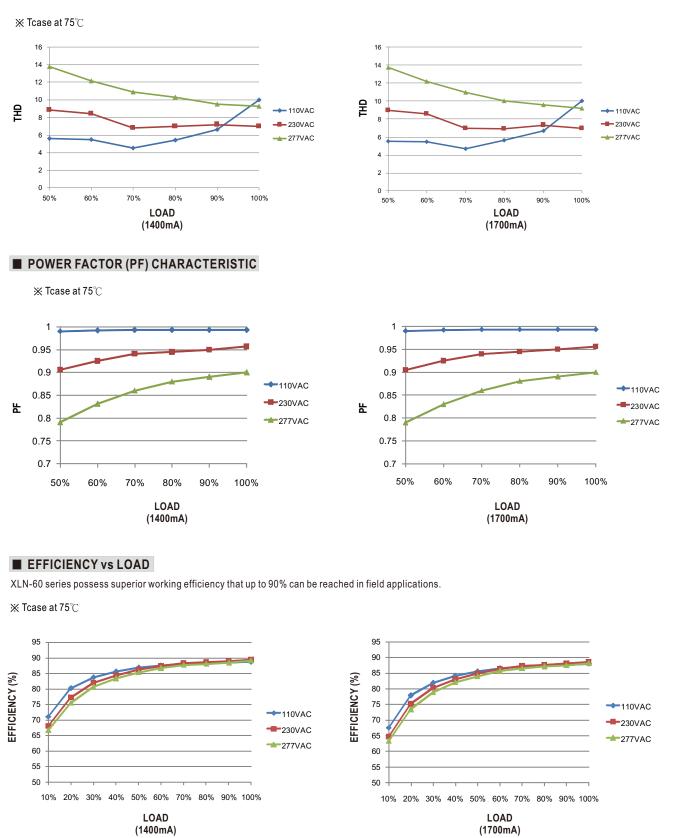








### TOTAL HARMONIC DISTORTION (THD)





60W Multiple-Stage Constant Power/Constant Voltage LED Driver

XLN-60 series

