

XLC-25 series









XLC-25-S Series (Independent type)

XLC-25 Series (Built-in type)



















Features

- · Constant power mode output with multiple stage selectable by dip switch or 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) application
- 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

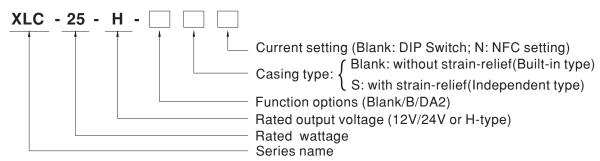
GTIN CODE

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

Description

XLC-25 Series is a 25W with constant power and constant voltage output LED driver. It can operate from 100~305VAC and output current ranging between 300 mA to 1050 mA selectable by dip switch or NFC setting. Thanks to high efficiency up to 88%, it is able to operate for -25°C ~85°C case temperature under free air convection. XLC-25 is designed based on latest safety regulations with 3 in 1 and DALI-2 dimming. XLC-25 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 DIP-switch or NFC setting	
Dialik	12, 24V Constant voltage output	
В	H type output current selectable by DIP-switch or NFC with 3 in 1 dimming	In stock
DA2	H type output current selectable by DIP-switch or NFC with DALI-2 dimming	

Note: 1. 12V/24V without dimming function.

2. NFC current setting is available for XLC-25-H type only.



25W Constant Voltage LED Driver

XLC-25 series

SPECIFICATION

	XLC-25-12-	XLC-25-24-				
RATED VOLTAGE	12V	24V				
RATED CURRENT	2.1A	1.05A				
RATED POWER Note.2	25.2W	25.2W	25.2W			
RIPPLE & NOISE (max.) Note.3	120mVp-p	240mVp-p				
VOLTAGE TOLERANCE Note.4	±4.0%					
LINE REGULATION	±0.5%					
LOAD REGULATION	±2.0%					
SETUP, RISE TIME Note.5	500ms, 100ms/230VAC, 1000ms, 100ms/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 (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
TOTAL HARMONIC DISTORTION	THD<10%(@load≥50%/230VAC; @load≥75%/277VAC), THD<15%(@load≥50%/115VAC) (Please refer to *TOTAL HARMONIC DISTORTION(THD)* section)					
EFFICIENCY (Typ.)	86% 88%					
AC CURRENT	0.35A / 115VAC					
INRUSH CURRENT(Typ.)	COLD START 10A(twidth=100µs measured	at 50% Ipeak) at 230VAC; Per NEMA 4	10			
MAX. No. of PSUs on 16A CIRCUIT BREAKER	71 units (circuit breaker of type B) / 71 units (circuit breaker of type C) at 230VAC					
LEAKAGE CURRENT	<0.75mA / 277VAC					
OVERLOAD	105 ~ 220% rated output power					
OVER LUAD	Protection type:Hiccup mode , recovers automatically after fault condition is removed					
SHORT CIRCUIT	Hiccup mode, recovers automatically after	ault condition is removed				
OVERVOLTACE	13 ~ 16V 26 ~ 32V					
OVER VOLIAGE	Shut down and latch off o/p voltage, re-power on to recover					
OVER TEMPERATURE	Shut down output voltage, recovers automa	tically after fault condition is removed				
WORKING TEMP.	Tcase=-25 ~ 85°C (Please refer to "OUTPL	T LOAD vs TEMPERATURE" section)				
MAX. CASE TEMP.	Tcase=85℃					
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 for 6	0min. 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 independent, GB19510.14, GB19510.1, EAC TP TC 004, UL8750(Class P); CSA C22.2 No. 250.13-12; approved; Design refer to AS/NZS 61347-1, AS/NZS 61347-2-13					
	I/P-O/P:3.75KVAC					
WITHSTAND VOLTAGE	1/P-U/P:3.75KVAC					
WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70)% RH				
		% RH Standard	Test Level/Note			
	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70					
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter	Standard	7743			
	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1	7743 7743			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN61000-3-2 , GB17625.1	7743			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1	7743 7743 Class C @load≥50%			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3	7743 7743 Class C @load≥50%			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3 Standard	7743 7743 Class C @load≥50% Test Level/Note			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	Standard BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN55015(CISPR15) ,GB/T 1 BS EN/EN61000-3-2 , GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard BS EN/EN55015(CISPR15), GB/T 1 BS EN/EN55015(CISPR15), GB/T 1 BS EN/EN650015(CISPR15), GB/T 1 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 2 Level 3, 1KV/Line-Line Level 2			
EMC EMISSION	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	Standard	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 70% residual voltage for 10			
EMC EMISSION EMC IMMUNITY	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	Standard BS EN/EN55015(CISPR15), GB/T 1 BS EN/EN55015(CISPR15), GB/T 1 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 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	7743 7743 Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 70% residual voltage for 10			
EMC EMISSION EMC IMMUNITY FLICKER Note.6	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70 Parameter Conducted 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	Standard BS EN/EN55015(CISPR15), GB/T 1 BS EN/EN55015(CISPR15), GB/T 1 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 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	7743 Class C @load≥50% Test Level/Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 2 Level 2 Level 2 Level 2 Level 2 To% residual voltage for 10 period, 0% residual voltage for 0.5 periods			
	RATED CURRENT RATED POWER Note.2 RIPPLE & NOISE (max.) Note.3 VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME Note.5 VOLTAGE RANGE FREQUENCY RANGE POWER FACTOR TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER LOAD SHORT CIRCUIT OVER VOLTAGE OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	RATED VOLTAGE RATED CURRENT RATED POWER Note.2 RIPPLE & NOISE (max.) Note.3 120mVp-p VOLTAGE TOLERANCE Note.4 LINE REGULATION LOAD REGULATION SETUP, RISE TIME Note.5 VOLTAGE RANGE 100 ~ 305VAC 141 ~ 400VDC FREQUENCY RANGE POWER FACTOR TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER LOAD SHORT CIRCUIT Hiccup mode, recovers automatically after for the company of the com	RATED VOLTAGE 12V			

- 3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.

- 3. Ripple x noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.

 4. Tolerance: includes set up tolerance, line regulation and load regulation.

 5. 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.

 6. Flicker is measured at full load with the light source provided by MEAN WELL.

 7. 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.

 8. 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.meanwell.com//Upload/PDF/EMI_statement_en.pdf)

 9. 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).

 10. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (€) point (or TMP, per DLC), is about 70°C or less.

 11. For XLC(except -S) series: RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1.

 For XLC-S series: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations.

 12. Products sourced from the Americas regions may not have the CCC/PSE/BIS/KC logo. Please contact your MEAN WELL sales for more information.

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 13. For more information, please contact with MEAN WELL sales.
- **Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



25W Multiple-Stage Constant Power LED Driver

XLC-25 series

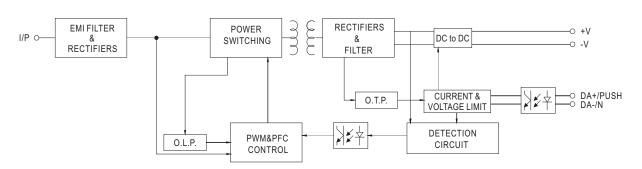
SPECIFICATION

SPECIFIC	ATION						
MODEL		XLC-25-H					
	OPEN CIRCUIT	60V					
	VOLTAGE Note.2						
	DEFAULT CURRENT CURRENT ADJ.RANGE	700mA					
	(BY DIP SWITCH OR NFC)	0.3~1.05A					
OUTPUT	CONSTANT CURRENT	0.547					
	REGION Note.3	9~54V					
	RATED POWER Note.4	25W					
	CURRENT RIPPLE	<4%					
	DIMMING RANGE	±5% 0~100%					
		500ms, 100ms/230VAC, 1000ms, 100ms/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 (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)					
	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	88%					
	AC CURRENT	0.35A / 115VAC					
	INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A	COLD START 10A(twidth=100µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	CIRCUIT BREAKER LEAKAGE CURRENT	71 units (circuit breaker of type B) / 71 units (circuit breaker of type C) at 230VAC <0.75mA / 277VAC					
	STANDBY POWER	***************************************		_			
	CONSUMPTION Note.8	Standby power consumption<0.5W(Dimming off)					
	SHORT CIRCUIT	Hiccup mode, recovers					
PROTECTION	OVER TEMPERATURE		0 1	evel. Recovers automatically after fault con-			
					automatically after fault condition is removed.		
	WORKING TEMP.	- (ise refer to " OUTPUT	LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=85°C	anaina				
ENVIRONMENT	WORKING HUMIDITY STORAGE TEMP., HUMIDITY	20 ~ 90% RH non-conde -40 ~ +80°C, 10 ~ 95% F					
LIVINONIILI	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)					
	VIBRATION	, ,	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 independent, GB19510.14, GB19510.1, EAC TP TC 004,UL8750(Class P); CSA C22.2 No. 250.13-12 approved;					
	DALI STANDARDS	Design refer to AS/NZS Comply with IEC62386		1347-2-13;			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC	-101,102,207				
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms /	500VDC / 25°C / 70°	4 RH			
EMC	IOOL/MION MEDIO//MOL	Parameter	00010012001101	Standard	Test Level/Note		
		Conducted		BS EN/EN55015(CISPR15) ,GB/T 17743			
	EMC EMISSION	Radiated		BS EN/EN55015(CISPR15), GB/T 17743			
		Harmonic Current		BS EN/EN61000-3-2, GB17625.1	Class C @load≥50%		
		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		BS EN/EN/61000-4-6	Level 2		
		Magnetic Field Voltage Dips and Intere	ruptions	BS EN/EN61000-4-8 BS EN/EN61000-4-11	Level 2 70% residual voltage for 10 period, 0% residual voltage for 0.5 periods		
	FLICKER Note.9	PstLM ≤ 1, SVM ≤ 0.4			The same of the sa		
	MTBF	3949.8 K hrs min. Telcordia SR-332 (Bellcore); 338.5 Khrs min. MIL-HDBK-217F (25℃)					
OTHERS	DIMENSION	147*40*32mm,107*40*32mm (L*W*H)					
	ACKING 141.6g; 60pcs/8.4Kg/0.58CUFT(for blank type); 160g; 50pcs/8.1Kg/0.57CUFT(for S-type)						
NOTE	 Output hiccups under no-load a Please refer to "DRIVER METH De-rating may be need under If Length of set up time is measu Based on IEC 62386-101/102 I power on function, otherwise tf Efficiency is measured at 500m Standby power consumption is Flicker is measured at full load The driver is considered as a installation, the final equipmer (as available on https://www.n For XLC(except -S) series: RC For XLC-S series: RCM is on To fulfill requirements of the la This series meets the typical Id. The ambient temperature de-r Products sourced from the An 	condition. HODS OF LED MODULE". The winput voltages. Please red at first cold start. Turning the power on timing and the startup time will be highe to 4/50V output set by dip-sw measured at 230VAC. With the light source provic component that will be open to manufacturers must re-que and the power of the manufacturers must re-que and the power of the p	refer to "STATIC CHAR- ng ON/OFF the driver interruption regulations or than 0.5 second. vitch or NFC. ded by MEAN WELL. reated in combination valify EMC Directive or /EMI_statement_en.pd and meets relevant IE- classification Independing fixture, this LED of hours of operation whe fanless models and 5" ive the CCC/PSE/BISI, vive the CCC/PSE/BISI,	urrent and 25°C of ambient temperature. ACTERISTIC" sections for details. may lead to increase of the set up time. the set up time needs to test with a DALI control with final equipment. Since EMC performance will the complete installation again. f) C or AS/NZS standards complying with AS/NZS ent LED control gear is not suitable for residentic wer can only be used behind a switch without pe in Tcase, particularly (b) point (or TMP, per DLC) C/1000m with fan models for operating altitude h CC logo. Please contact your MEAN WELL sales	I be affected by the complete 4417.1. al installations. amanently connected to the mains. b), is about 70°C or less. ligher than 2000m(6500ff).		
	16. For more information, please **Product Liability Disclaimer: For			meanwell.com/serviceDisclaimer.aspx	File Name:XLC-25-SPEC 2024-07-2		



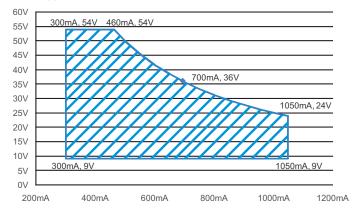
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■ BLOCK DIAGRAM



■ DRIVING METHODS OF LED MODULE

For 25W application



■ CONSTANT POWER TABLE

 ${\tt XLC-25-H}\ is\ a\ multiple-stage\ constant\ power\ driver,\ selection\ of\ output\ current\ through\ DIP\ switch\ or\ NFC\ setting\ is\ exhibited\ below.$

Vo	lo DIP S.W	1	2	3
9~54V	300mA			
9~54V	350mA			ON
9~54V	400mA		ON	
9~50V	500mA		ON	ON
9~42V	600mA	ON		
9~36V	700mA(default)	ON		ON
9~28V	900mA	ON	ON	
9~24V	1050mA	ON	ON	ON

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



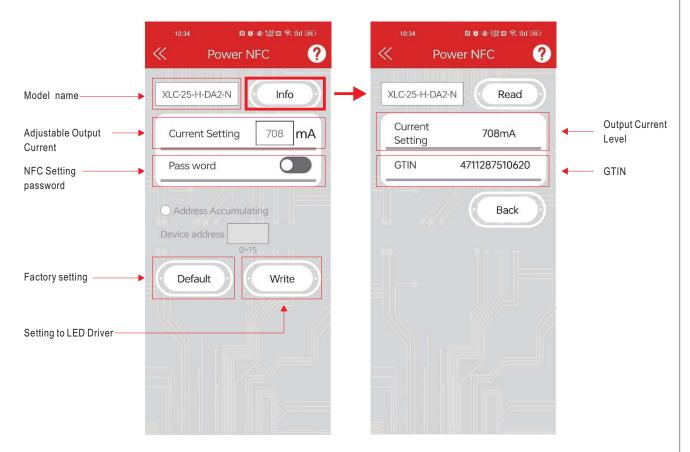
XLC-25 series

■ 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.
- 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.



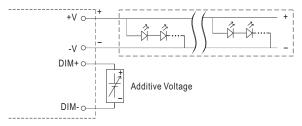
XLC-25 series

■ DIMMING OPERATION

O B type

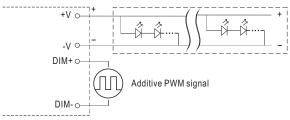
% 3 in 1 dimming function

- 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.
- $\bullet \ \, \text{Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers. } \\$
- Dimming source current from power supply: 100 μ A (typ.)



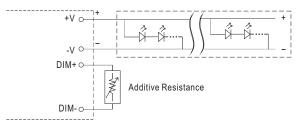
"DO NOT connect "DIM- to -V"

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

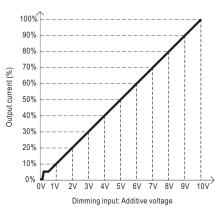


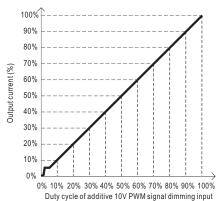
"DO NOT connect "DIM- to -V"

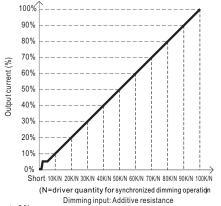
 \bigcirc Applying additive resistance: 0~100k Ω



"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.

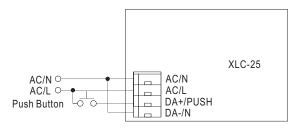


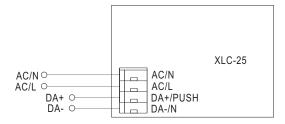
XLC-25 series

■ DIMMING OPERATION

O DA2 type (DALI-2 digital dimming function)

☆ Input wiring diagram





※PUSH dimming (primary side)

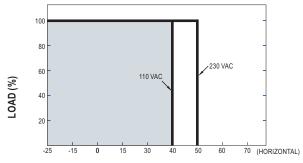
- The factory default dimming level is at 100%.
- If the push action lasts less than 0.05 sec., it will not lead to a change for the status of the driver.
- Up to 10 drivers can perform the PUSH dimming at the same time when utilizing one common push button.
- The maximum length of the cable from the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

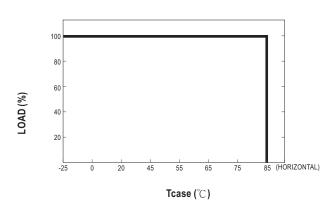


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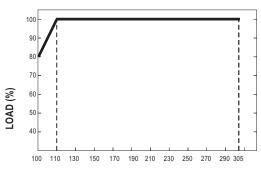
■ OUTPUT LOAD vs TEMPERATURE



AMBIENT TEMPERATURE ,Ta ($^{\circ}$ C)



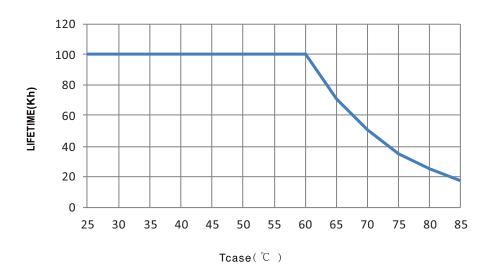
■ STATIC CHARACTERISTIC



INPUT VOLTAGE (V) 60Hz

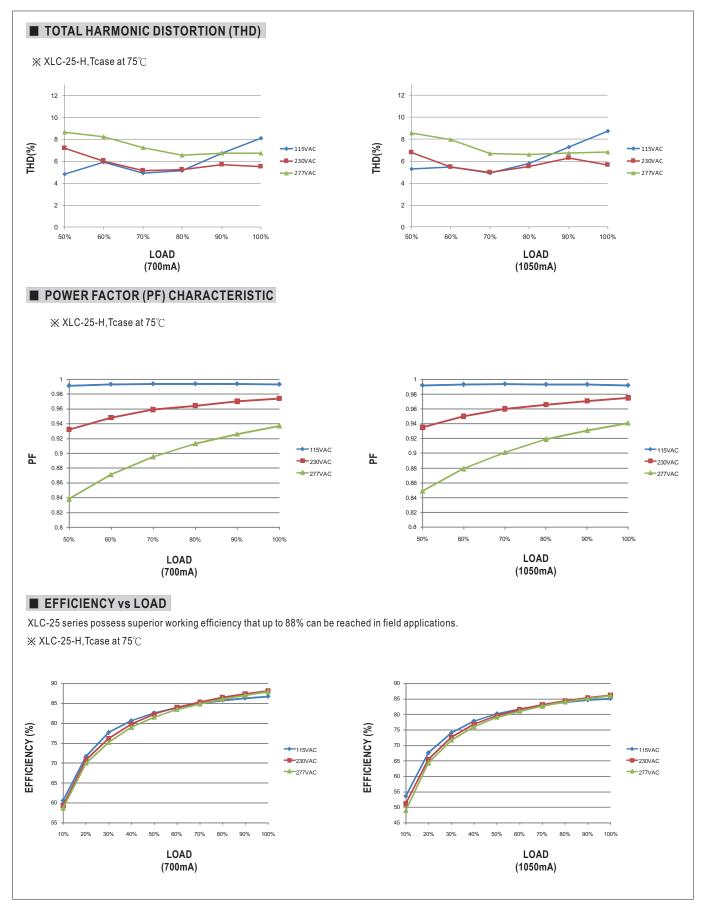
※ De-rating is needed under low input voltage.

■ LIFE TIME



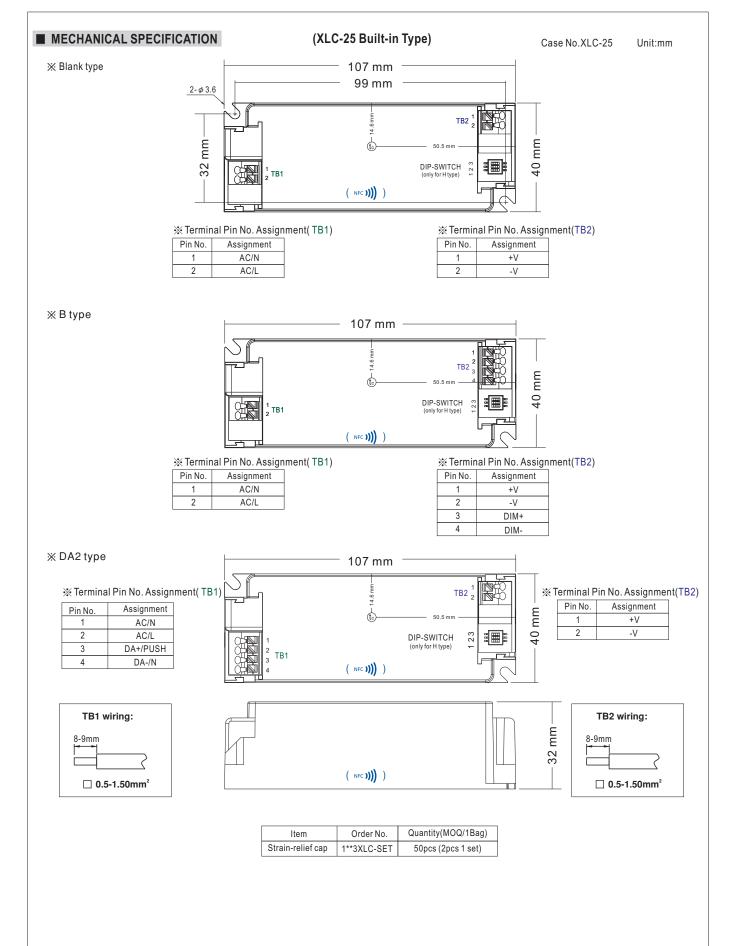


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