































Features

- Wide input range 100~305V AC(Class I)
- Full power output at 70~100% Constant power mode operation
- · Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV (10KV/6KV optional)
- 3 in 1 dimming function (Dim to off and Isolation design)
- India (EESL) version, can survive input voltage stress of 440Vac for 48 hours
- Protection functions: OVP/SCP/OCP/OTP
- Life time >50,000 hrs. and 5 years warranty

Applications

- Skyscraper lighting
- Street lighting
- · Floodlight Lighting
- Stage lighting
- · Fishing lighting
- Horticulture lighting
- · Bay lighting
- LED strip lighting (ABV type)
- Agricultural lighting (ABV type)
- Type HL for use in class I, Division 2

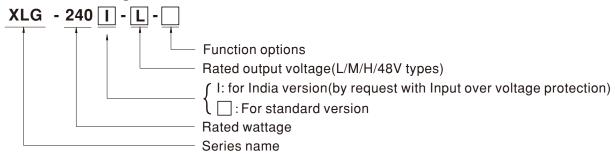
■ GTIN CODE

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

Description

XLG-240 series is a 240W LED AC/DC driver featuring the constant power mode. XLG-240 operates from 100~305 VAC and offers models with different rated current ranging between 700 mA and 6.66 A. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40 $^{\circ}$ C ~+90 $^{\circ}$ C case temperature under free air convection. The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XLG-240 is designed with the latest version of IEC61347/GB19510.1 and UL8750 international safety regulations. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the user and luminaire system safety during installation.

■ Model Encoding



Туре	Function	Note
Blank	Io and Vo fixed.(For harsh environment)	By request
Α	lo adjustable via built-in potentiometer	In Stock
AB	Io adjustable via built-in potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
ABV (48V only)	Vo adjustable via built-in potentiometer + 3 in 1 dimming function (Flicker free C.V. Dimming)	In Stock

Note: 1. India version needs MOQ for production, please consult MEANWELL for detail.

2. 48-V/48-BV types are available by modification version, please consult MEANWELL for detail.



CDECIEIC ATION

RATED CURRENT (Default) RATED POWER	XLG-240L	XLG-240 -M-	XLG-240		
, ,	1700m A	1400mA	4900mA		
	700mA 239.4W	239.4W	239.6W		
CONSTANT CURRENT REGION Note.2	178~ 342V	90 ~171V	27 ~ 56V		
FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	4280~6660mA		
	***		60V		
OPEN CIRCUIT VOLTAGE (IIIax.)			000		
CURRENT ADJ. RANGE					
		700~2100mA	2400~6660mA		
	· · ·				
SET UP TIME Note.6					
VOLTAGE RANGE Note 5					
	(Please refer to "STATIC CHARACTERISTIC" and " DRIVING METHODS OF LED MODULE"section)				
FREQUENCY RANGE	47 ~ 63Hz				
POWER FACTOR (Typ.)	PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load				
TOTAL TOTAL (Typ.)	(Please refer to "Power Factor Characteristic" section)				
TOTAL HARMONIC DISTORTION	THD< 10% (@ load≥50% at 115VAC/230VAC ,@load≥75% at 277VAC) Please refer to "TOTAL HARMONIC DISTORTION (THD)" section				
TOTAL HARMONIC DISTORTION					
EFFICIENCY (Typ.)	93%	92.5%	91%		
AC CURRENT (Typ.)	2.7A / 115VAC 1.3A / 230VAC 1.1A /	277VAC			
INRUSH CURRENT(Typ.)					
MAX NO of PSUs on 16A	i i	· · ·			
	2 unit(circuit breaker of type B) / 4 units(circuit	breaker of type C) at 230VAC			
LEAKAGE CURRENT	<0.75mA / 277VAC				
	NULTURINA ZELEVAL				
	Standby power consumption <0.5W for A	B-Type(Dimming OFF)(for standard version)			
SHORT CIRCUIT					
OVER VOLTAGE		-	61 ~ 85V		
OVER VOLIAGE	Shut down output voltage, re-power on to recover	very			
INPLIT OVER VOLTAGE Note 7	320 ~ 390VAC (Shut down output when the input exceeds protection voltage, recovers automatically after fault condition is removed)				
	Can survive input voltage stress of 440Vac for 48 hours				
OVER TEMPERATURE	Shut down output voltage, re-power on to rec	over			
WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT I	LOAD vs TEMPERATURE" section)			
MAX. CASE TEMP.	Tcase=+90°C				
WORKING HUMIDITY	20 ~ 95% RH non-condensing				
STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing				
TEMP. COEFFICIENT	· · · · · · · · · · · · · · · · · · ·				
VIBRATION	, ,	in each along X Y 7 axes			
	UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384;				
SAFETY STANDARDS	GB19510.1, GB19510.14; EAC TP TC 004; J6	1347-1(H29), J61347-2-13(H29), KC61347-1, KC61			
	NOM-058-SCFI-2017(except for Blank type); If	P67 approved			
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-F	G:1.5KVAC			
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VI	DC / 25°C / 70% RH			
	Parameter	Standard	Test Level / Note		
EMC EMISSION					
		, ,,	Class C @load≥50%		
	· ·	D3 EIN/EIN0 1000-3-3			
EMC IMMUNITY		Othersday	T. (41		
			Test Level / Note		
			Level 3, 8KV air ; Level 2, 4KV contact		
			Level 2		
	EFT / Burst	BS EN/EN61000-4-4	Level 3		
	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth(6K/10K option)		
	Conducted	BS EN/EN61000-4-6	Level 2		
	Magnetic Field	BS EN/EN61000-4-8	Level 4		
	Voltage Dine and Interruptions	RS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods		
	voltage Dips and interruptions	DO EN/ENO 1000-4-11	>95% interruptions 250 periods		
MTBF	2496.2K hrs min. Telcordia SR-332(Bellcore	e); 219.8K hrs min. MIL-HDBK-217F (25 $^{\circ}$ C)		
DIMENSION	219*63*35.5mm (L*W*H)				
	1Kg;16pcs / 16Kg / 0.8CUFT				
PACKING	-	urrent and 25°C of ambient temperature			
1. All parameters NOT specially m	nentioned are measured at 230VAC input, rated c	urrent and 25 C of ambient temperature.			
All parameters NOT specially m Please refer to "DRIVING METICAL PROPERTY OF THE PROPE	HODS OF LED MODULE".				
All parameters NOT specially m Please refer to "DRIVING METI Ripple & noise are measured at	HODS OF LED MODULE". t 20MHz of bandwidth by using a 12" twisted pair-	wire terminated with a 0.1uf & 47uf parallel capacit	or.		
All parameters NOT specially m Please refer to "DRIVING METI Ripple & noise are measured at Tolerance: includes set up tolet De-rating may be needed under	HODS OF LED MODULE". t 20MHz of bandwidth by using a 12" twisted pair- rance, line regulation and load regulation.				
	CURRENT RIPPLE CURRENT TOLERANCE SET UP TIME Note.6 VOLTAGE RANGE Note.5 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT(Typ.) INRUSH CURRENT STANDBY POWER CONSUMPTION SHORT CIRCUIT OVER VOLTAGE INPUT OVER VOLTAGE Note.7 OVER TEMPERATURE WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE EMC EMISSION EMC IMMUNITY	CURRENT ADJ. RANGE CURRENT RIPPLE CURRENT TOLERANCE SET UP TIME Note.6 Note.5 VOLTAGE RANGE Note.5 VOLTAGE RANGE Note.5 TOTAL HARMONIC DISTORTION REFICIENCY (Typ.) MAX. NO. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT CURRENT (TOP.) COLD STANDBY POWER CONSUMPTION SHORT CIRCUIT OVER VOLTAGE INPUT OVER VOLTAGE INPUT OVER VOLTAGE NOTE.7 WORKING TEMP. WORKI	Adjustable for A/AB-Type only (via the built-in potentiometer)		

- 7. Only for XLG-240 I series, and Iseries without UL/CSA certificate.

 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. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly ô point (or TMP, per DLC), is about 75℃ or less.

 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com

 11. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.

 12. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).

 13. H type:RCM is on a voluntary basis and meets relevant IEC or AS/NZS standards complying with AS/NZS 4417.1.

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

 15. Some products may not have the BIS logo, please contact your MEAN WELL sales for more information.

 16. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN_pdf

 17. When the current adjustment is more than 110% of the rated current, it will be enter the Protection state.

 18. It may has an over-shoot status at output current when AC On/Off operate with lower Vf and lower loading conditions.

- 18. It may has an over-shoot status at output current when AC On/Off operate with lower Vf and lower loading conditions.
 19. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.
- X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

File Name:XLG-240-SPEC 2024-09-30

240W Constant Voltage LED Driver

SDECIEICATION

MODEL		XLG-240-48-ABV					
	RATED CURRENT						
-		5A 240W					
	RATED POWER(Max.)						
	DC VOLTAGE	48V (adjustable 43.2~52.8V)					
	RIPPLE & NOISE(max.)	250mVp-p					
OUTPUT	VOLTAGE TOLERANCE		±2.0%				
	LINE REGULATION	±0.5%	±0.5%				
	LOAD REGULATION	\pm 0.5%					
	DIMMING TOLERANCE	±4%	±4%				
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE	110 ~ 305VAC 156VDC ~ 431VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	$PF \ge 0.97 / 115VAC, PF \ge 0.95 / 230VAC, PF \ge 0.92 / 277VAC$ at full load					
	TOTAL HARMONIC DISTORTIC	THD<10% @ load ≥ 50% at 115VAC/230VAC, @Load>75% at 277VAC;					
INPUT	EFFICIENCY (Typ.)	91%					
	AC CURRENT (Typ.)	2.7A/115VAC 1.3A/230VAC 1.1A/277VAC					
	INRUSH CURRENT(Typ.)	COLD START 85A(twidth=500µs measured at 50% Ipeak) at 230VAC; Per NEMA 410					
	MAX. NO. of PSUs on 16A						
	CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
			Standby power consumption <0.5W for ABV/BV-Type(Dimming OFF)(for standard version)				
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
	OVER VOLTAGE	54~60V					
		Shut down output voltage, re-power on to recovery					
ROTECTION	OVER TEMPERATURE Not	e.10 Shut down output voltage, re-power	Shut down output voltage, re-power on to recover				
		105~135%					
	OVER LOAD	Hiccup mode or Constant current limiting	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed				
	WORKING TEMP						
	WORKING TEMP.	`	Tcase=-20 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90°C					
IVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing	20 ~ 95% RH non-condensing				
IVIKUNIVIEN	STORAGE TEMP., HUMIDITY	-20 ~ +80°C , 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
		1 /					
	VIBRATION		10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes				
	SAFETY STANDARDS		UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384;				
			19510.1, GB19510.14;EAC TP TC 004; IP67 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC	I/P-O/P:3.75KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms	/500VDC/25℃/70% RH				
		Parameter	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%			
			,	-			
A FETY 0		Voltage Flicker	BS EN/EN61000-3-3				
SAFETY &		BS EN/EN61547					
MC		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			
		EFT / Burst	BS EN/EN61000-4-4	Level 3			
	F140 114141 11177	Li i / Duist	DO ENTEROTOGO 1 1	ECVCIO			
	EMC IMMUNITY			4KV/Line-Line 6KV/Line-Earth			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth			
	EMC IMMUNITY	Surge Conducted	BS EN/EN61000-4-5 BS EN/EN61000-4-6	4KV/Line-Line 6KV/Line-Earth Level 2			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4			
	EMC IMMUNITY	Surge Conducted	BS EN/EN61000-4-5 BS EN/EN61000-4-6	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods			
		Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
	EMC IMMUNITY MTBF	Surge Conducted Magnetic Field	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
		Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
)THERS	мтвғ	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
THERS	MTBF DIMENSION PACKING	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 (Bellcore); 219.8K hrs min. MIL-HDBK-217F (25"	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
	MTBF DIMENSION PACKING 1. All parameters NOT special	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332/ 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°)	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Iy mentioned are measured at 230VAC in nder low input voltages. Please refer to "S	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Input, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details.	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods C)			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332: 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT ly mentioned are measured at 230VAC in nder low input voltages. Please refer to "5 a component that will be operated in com	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Input, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. Inbination with final equipment. Since EMC performance	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods C)			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufar	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT ly mentioned are measured at 230VAC in moder low input voltages. Please refer to "S a component that will be operated in component smust re-qualify EMC Directive on a component that will be operated in component the component that will be ope	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 (Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Input, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. Inbination with final equipment. Since EMC performance the complete installation again.	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods C)			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufa (as available on https://www	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in nder low input voltages. Please refer to "5 a component that will be operated in conducturers must re-qualify EMC Directive on to meanwell.com//Upload/PDF/EMI_staten	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 (Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Input, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. Inbination with final equipment. Since EMC performance the complete installation again.	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods C) e will be affected by the complete installation			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufa (as available on https://www 4. This series meets the typica	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332/219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in nider low input voltages. Please refer to "S a component that will be operated in conturers must re-qualify EMC Directive on the current of the control of the con	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) ENDITY OF THE PROPERTY OF THE P	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods C) e will be affected by the complete installation C), is 70°C or less.			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufar (as available on https://www 4. This series meets the typics 5. To fulfill requirements of the	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332i 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in inder low input voltages. Please refer to "S a component that will be operated in component that will be operated in component that will be operated in component with the properties of the component in the properties of the properties o	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Exput, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. The ability of the complete installation again. The ment_en.pdf) tion when Tease, particularly ((in) point (or TMP, per DL this LED driver can only be used behind a switch without the complete installation again.	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods C) e will be affected by the complete installation C), is 70°C or less.			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufa (as available on https://www 4. This series meets the typica 5. To fulfill requirements of the 6. Please refer to the warranty	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg:16pcs / 16Kg / 0.8CUFT Inder low input voltages. Please refer to "S a component that will be operated in comcturers must re-qualify EMC Directive on the common of the	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 (Bellcore); 219.8K hrs min. MIL-HDBK-217F (25" Exput, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. Inbination with final equipment. Since EMC performance the complete installation again. Inent_en.pdf) tion when Tcase, particularly @ point (or TMP, per DL this LED driver can only be used behind a switch without the complete installation again.	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods C) e will be affected by the complete installation C), is 70°C or less. but permanently connected to the mains.			
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	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufar (as available on https://www 4. This series meets the typics 5. To fulfill requirements of the 6. Please refer to the warranty 7. The ambient temperature d 8. For any application note an https://www.meanwell.com/	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332/219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in nider low input voltages. Please refer to "S a component that will be operated in comturers must re-qualify EMC Directive on truers must re-qualify EMC Directive on the statement on MEAN WELL's website at least ErP regulation for lighting fixture, the statement on MEAN WELL's website at least statement on MEAN WELL's website at least proof function installation cautiful Upload/PDF/LED_EN.pdf	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 (Bellcore); 219.8K hrs min. MIL-HDBK-217F (25° ENDITY of ambient temperature. STATIC CHARACTERISTIC" sections for details. Inhination with final equipment. Since EMC performance the complete installation again. Intent_en.pdf) tion when Tcase, particularly @ point (or TMP, per DL this LED driver can only be used behind a switch without http://www.meanwell.com	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods C) e will be affected by the complete installation C), is 70°C or less. but permanently connected to the mains. tude higher than 2000m(6500ft).			
	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufa (as available on https://www 4. This series meets the typica 5. To fulfill requirements of the 6. Please refer to the warranty 7. The ambient temperature d 8. For any application note an https://www.meanwell.com/ 9. Products sourced from the	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332i 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Ily mentioned are measured at 230VAC in inder low input voltages. Please refer to "S a component that will be operated in component that will be	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) ENDITY OF THE PROOF O	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods C) e will be affected by the complete installation C), is 70°C or less. but permanently connected to the mains. tude higher than 2000m(6500ft).			
OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT special 2. De-rating may be needed u 3. The driver is considered as the final equipment manufa (as available on https://www 4. This series meets the typica 5. To fulfill requirements of the 6. Please refer to the warranty 7. The ambient temperature d 8. For any application note an https://www.meanwell.com/ 9. Products sourced from the 10. When the secondary OTP	Surge Conducted Magnetic Field Voltage Dips and Interruptions 2496.2K hrs min. Telcordia SR-332 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT Iy mentioned are measured at 230VAC in nder low input voltages. Please refer to "S a component that will be operated in comcurers must re-qualify EMC Directive on the component of the control of the	BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ((Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°) Exput, rated current and 25°C of ambient temperature. STATIC CHARACTERISTIC" sections for details. In the complete installation again. In the complete ins	4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods c) e will be affected by the complete installation C), is 70°C or less. but permanently connected to the mains. tude higher than 2000m(6500ft).			

13. 48 type:RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations.

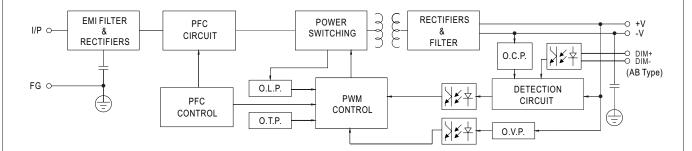
14. Products sourced from the China regions may not have the BIS logo, please contact your MEAN WELL sales for more information.

25. We product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx



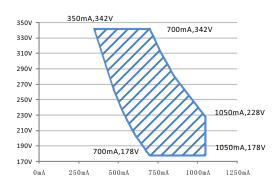
■ BLOCK DIAGRAM

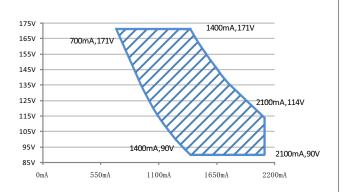
PFC fosc: 50~120KHz PWM fosc: 60~130KHz



■ DRIVING METHODS OF LED MODULE

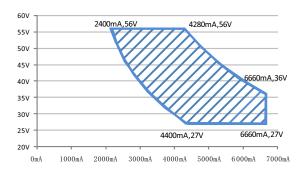
¾ I-V Operating Area





Recommend Performance Region

Recommend Performance Region



Recommend Performance Region

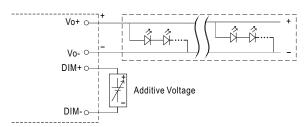


■ DIMMING OPERATION



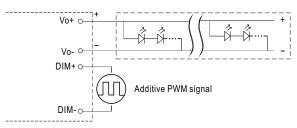
※ 3 in 1 dimming function (for AB-Type)

- 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.)



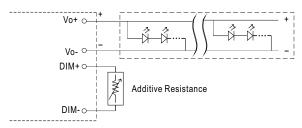
"DO NOT connect "DIM- to Vo-"

Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

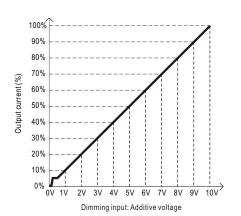


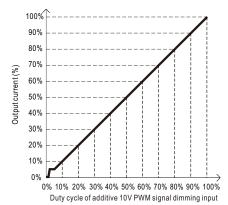
"DO NOT connect "DIM- to Vo-"

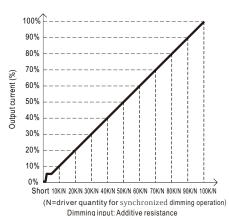
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"







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

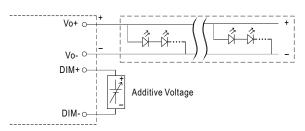
- 2. The output current could drop down to 0% when dimming input is about 0kΩ or 0Vdc, or 10V PWM signal with 0% duty cycle.
- 3. When PWM frequency >2K HZ ,the lighting will be triggered at 10~15% PWM duty .

■ DIMMING OPERATION



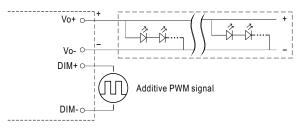
※ 3 in 1 dimming function (for ABV-Type)

- Output constant voltage 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: 100µA (typ.)
- O Applying additive 0 ~ 10VDC



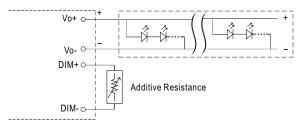
"DO NOT connect "DIM- to Vo-"

O Applying additive 10V PWM signal (frequency range 100Hz ~ 3KHz):

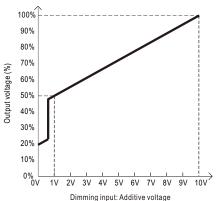


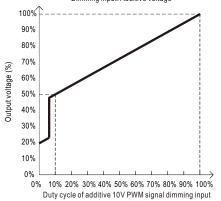
"DO NOT connect "DIM- to Vo-"

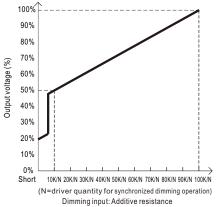
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





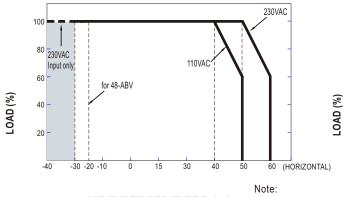


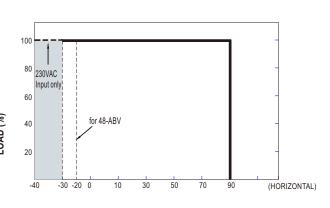
Note: 1. Min. dimming level is about 50% of output voltage and the output voltage is not defined when Vout<50%

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



■ OUTPUT LOAD vs TEMPERATURE



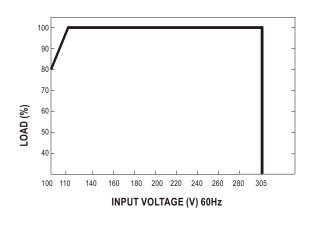


Tcase (°C)

AMBIENT TEMPERATURE, Ta (°C)

Note:1.If XLG-240 operates in Constant Power mode with the rated current the maximum workable Ta is 50° C (Typ. 230VAC) or 40° C (Typ. 110VAC) 2.It may has a soft-start status when operation at -30°C full load and 110VAC input condition.

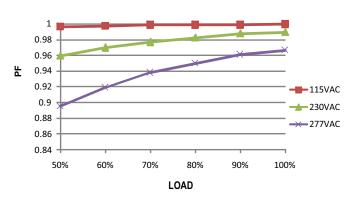
■ STATIC CHARACTERISTIC



■ POWER FACTOR (PF) CHARACTERISTIC

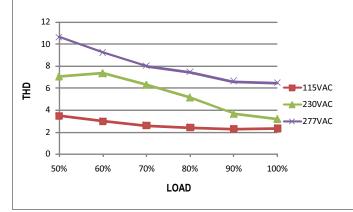
★ Tcase at 75°C

Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)

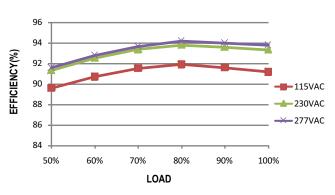
※ XLG-240-L Model, Tcase at 75°C



■ EFFICIENCY vs LOAD

XLG-240 series possess superior working efficiency that up to 93% can be reached in field applications.

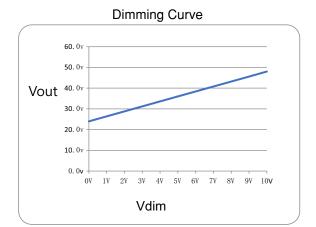
※ XLG-240-L Model, Tcase at 75°C

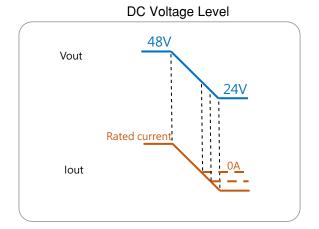


■ CONSTANT VOLTAGE DIMMING OPERATION:

48-ABV type

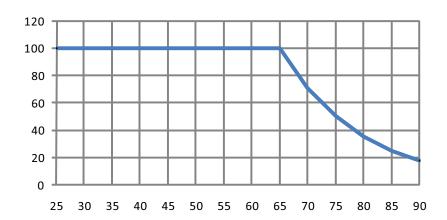
Note: flicker free design for agricultural lighting flicker free design for Indoor LED strip lighting





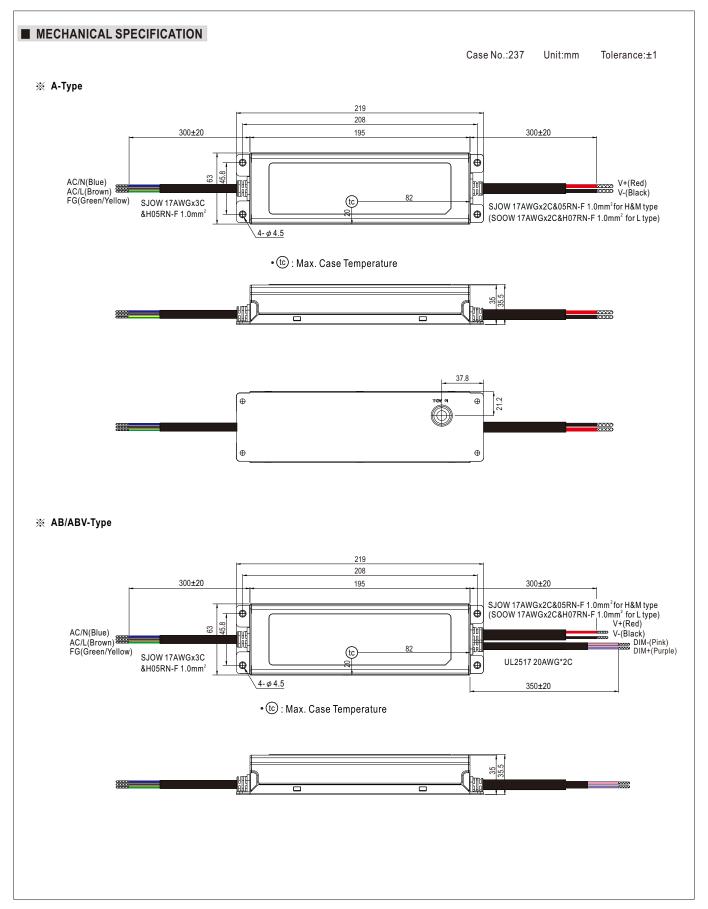
■ LIFE TIME





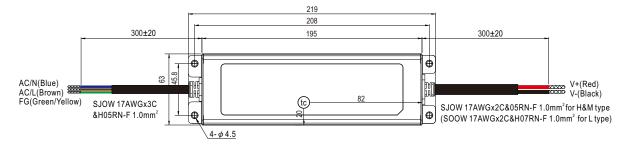
Tcase ($^{\circ}\!\!\!$ C)







※ Blank-Type



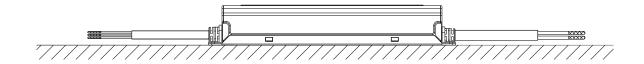
• tc : Max. Case Temperature





Please refer to: http://www.meanwell.com/manual.html

■ Recommend Mounting Direction



■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html