































Features

- Wide input range 100~305VAC(class I)
- Full power output at 75~100% constant power mode operation
- Metal case with IP67, suitable for outdoor application
- Surge protection with 6KV/4KV
- 3 in 1 dimming (Dim-to-off and Isolation design)
- Protection Functions: OLP/SCP/OVP/OTP
- Compliance to EN60335-1 household application
- Lifetime>50,000 hours and 5 years warranty

Applications

- Bay lighting
- Stage lighting
- · Floodlight lighting
- Horticulture lighting
- Stadium lighting
- LED strip lighting (ABV type)
- Agricultural lighting (ABV type)
- DMX power supply
- Type "HL" for use in class I, Division 2
- · Household devices
- Retail and refrigerated display

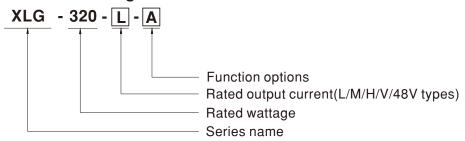
GTIN CODE

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

Description

XLG-320 series is a 315W LED AC/DC driver featuring with constant power mode. XLG-320 operates from 120~305VAC and offers models with different rated current ranging between 1050mA and 7420mA. Thanks to the high efficiency up to 94.5% with the fanless design, the entire series is able to operate for - $40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ 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-320 series comply 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 and isolation to ensure the safety of both user and luminaire system during installation.

■ Model Encoding



Type	IP Level	Function	Note
Blank	IP67	lo and Vo fixed.(For harsh environment)	By request
Α	IP67	Output constant power adjustable via built-in lo potentiometer	In Stock
AB	IP67	Output constant power adjustable via built-in lo potentiometer + 3 in 1 dimming function (0~10Vdc, 10V PWM signal and resistance)	In Stock
ABV (48V only)	IP67	Vo adjustable via built-in potentiometer + 3 in 1 dimming function (Flicker free C.V. Dimming)	In Stock

Note: 1.V model is constant voltage operation without the AB type

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



SPECIFICATION

MODEL		XLG-320-L-	XLG-320-M-	XLG-320-H-	XLG-320-V-			
	RATED CURRENT (Default)	1400mA	2800mA	5600mA	13A/24V			
ОИТРИТ	RATED POWER Note.11	315W	310.8W	312W	24V/312W, 12V/216W			
	CONSTANT CURRENT REGION	150~300V	74 ~ 148V	30 ~ 56V	NC			
	OUTPUT VOLTAGE ADJ. RANGE	NC	NC	NC	24V or 12V			
	FULL POWER CURRENT RANGE OPEN CIRCUIT VOLTAGE (max.)	1050~1400mA 340V	2100~2800mA 180V	5570~7420mA 60V	13~18A(24V/13A,12V/18) NC			
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC NC			
	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated curr				
	CURRENT TOLERANCE	±5%	±5%	±5%	NC			
	RIPPLE & NOISE(max.)	NC	NC NC	NC NC	240mV p-p			
	VOLTAGE TOLERANCE	NC	NC	NC	±3%			
	LINE REGULATION	NC	NC	NC	±0.5%			
	LOAD REGULATION	NC	NC	NC	±2%			
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC						
	RISE TIME, HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC(only for V-type)						
	VOLTAGE RANGE Note.2	100 ~ 305VAC 142VDC ~ 431VDC						
	FREQUENCY RANGE	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
		47 ~ 63Hz PF≥0.98 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load						
	POWER FACTOR (Typ.)	PF ≥ 0.98 / 115 VAC, PF ≥ 0.95 / 23 UVAC, PF ≥ 0.92 / 27 / VAC at full load (Please refer to "Power Factor Characteristic" section)						
	TOTAL HARMONIC DISTORTION	THD< 10% @ load ≥ 50% at 115VA	<u> </u>	% at 277VAC;				
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONI						
INPUT	EFFICIENCY (Typ.)	94.5%	93.5%	92.5%	93%			
	AC CURRENT (Typ.)	3A / 120VAC 1.6A / 230VAC	1.3A / 277VAC	<u> </u>	·			
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200μs me	easured at 50% Ipeak) at 230VAC; P	er NEMA 410				
	MAX. NO. of PSUs on 16A	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC						
	CIRCUIT BREAKER							
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	STANDBY POWER CONSUMPTION Note.5	Standby power consumption <0.5W	for AB-Type(Dimming OFF)					
	SHORT CIRCUIT	Hiccup mode or Constant current lin	niting, recovers automatically after	fault condition is removed				
	OVERVOLTAGE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V			
	OVER VOLTAGE Shut down output voltage, re-power on to recovery							
ROTECTION	OVER TEMPERATURE Note.12	L/M/H-Type: Tcase>85°C ±5°C, derate power automatically						
	OVER TERM ERATORE ROLE.12	V-Type: Shut down output voltage, re-power on to recover						
	OVER LOAD Note.11 108~135%(only for V-type)							
		Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	WORKING TEMP.	Tcase=-40 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+85°C						
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	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, EN/EN60335-1 compliant to EN 60335-2-89 Annex BB, EN 60335-2-24 Annex CC;GB19510.1, GB19510.14;EAC TP TC 004; IP67; IS15885(Part2/Sec13)(except for blank type), KC61347-1,KC61347-2-13 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohi						
		Parameter	Standard		est Level / Note			
		Conducted		,,				
	EMC EMISSION	Radiated	,	,,				
		Harmonic Current	BS EN/EN61000-3	· ·	Class C @load≥50%			
SAFETY &		Voltage Flicker	BS EN/EN61000-3	-3				
MC		BS EN/EN61547	04	1.	Toot Level / Net-			
.wic	EMC IMMUNITY	Parameter ESD	Standard BS EN/EN61000-4-		Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated	BS EN/EN61000-4-		Level 2			
		EFT / Burst	BS EN/EN61000-4-		Level 3			
		Surge	BS EN/EN61000-4-		4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-		Level 2			
		Magnetic Field	BS EN/EN61000-4-		Level 4			
		Voltage Dips and Interruptions	BS EN/EN61000-4-	11	>95% dip 0.5 periods, 30% dip 25 periods,			
	MTBF	1476.4K hrs min. Telcordia SR-332(>95% interruptions 250 periods			
THERE			Delicore), 100.1 K IIIS IIIIII. MII	-1100K-211F (20 C)				
OTHERS	DIMENSION	· '	246*77*39.5mm (L*W*H)					
	PACKING 1. All parameters NOT aposicily montion	1.45Kg;9pcs/14Kg/0.76CUFT	ad ourront and 25°C af a military to	proturo				
IOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 3. 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/EML statement e.n.pdf) 4. This series meets the typical life expectancy >50,000 hours of operation when Tcase, particularly (p) point (or TMP, per DLC), is 75°C or less. 5. To fulfill requirements of the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains. 6. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com							

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

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

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

 8. 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

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

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

 11. The output voltage of the V Type default is 24V, for 12V output, please adjust SVR by clockwise direction to the end, otherwise the OLP point is not within the specification range.

 12. When the secondary OTP fails, there is also a primary OTP, which is protected by Shut down output voltage, re-power on to recovery for the H/M/L-type.

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

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

 ML type:RCM is on a voluntary basis and meets relevant IEC or AS/NIZS standards comply with AS/NIZS 4417.1.

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

 16. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative of teatils.

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

 18. Please refer to "DRIVING METHODS OF LED MODULE".

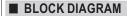
 19. For A/AB/ABV type need to consider build in using to comply with Type HL applicati

312W Constant Voltage LED Driver

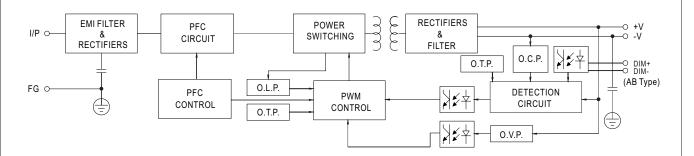
SPECIFICATION

		XLG-320-48-ABV						
	RATED CURRENT	6.5A						
	RATED POWER (Max.)	312W						
OUTPUT	DC VOLTAGE	48V(Adjustable 43.2~52.8V)						
	RIPPLE & NOISE(max.)	250mVp-p						
	VOLTAGE TOLERANCE	±2.0%						
	LINE REGULATION	±0.5%						
	LOAD REGULATION	±0.5%						
	DIMMING TOLERANCE	±4%						
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC						
	RISE TIME, HOLD UP TIME (Typ.)	160ms.10ms/230VAC/115VAC						
	THE THE TYPE	100 ~ 305VAC 142VDC ~ 431VDC						
	VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC")						
	FREQUENCY RANGE	47~63Hz						
	POWER FACTOR (Typ.)	$PF \ge 0.98 / 115 VAC, PF \ge 0.95 / 230 VAC, PF \ge 0.92 / 277 VAC$ at full load						
	TOTAL HARMONIC DISTORTION	THD<10% @ load ≥50% at 115VAC/230VAC, THD<15%@Load>75% at 277VAC;						
		93.5%						
	EFFICIENCY (Typ.)							
	AC CURRENT (Typ.)	3A / 120VAC						
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200µs measured at 50% lpeak) at 230VAC; Per NEMA 410						
	MAX. NO. of PSUs on 16A	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC						
	CIRCUIT BREAKER							
	LEAKAGE CURRENT	<0.75mA/277VAC						
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for ABV/BV-Type(Dimming OFF)						
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
		54 ~ 60V						
	OVER VOLTAGE	Shut down output voltage, re-power on to recovery						
ROTECTION	OVER TEMPERATURE Note.10	Shut down output voltage, re-power on to recovery Shut down output voltage, re-power on to recovery						
	OVER TERM ENATURE NOTE.10	105~135%	J					
	OVER LOAD	iccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	WORKING TEMP.	Tcase=-20 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+85℃						
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
WINCHWIENT	STORAGE TEMP., HUMIDITY	-20 ~ +80°C , 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	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; IS15885(Part2/Sec13)(Note 14), GB19510.1, GB19510.14;EAC TP TC 004; IP67 approved						
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC	/25℃/70% RH					
		Parameter	Standard	Test Level / Note				
1		Conducted	BS EN/EN55015(CISPR15),GB/T 17743					
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15),GB/T 17743					
	EMC EMISSION		BS EN/EN61000-3-2 , GB17625.1	Class C @load≥50%				
	EMC EMISSION	Harmonic Current						
	EMC EMISSION		BS EN/EN61000-3-3					
	EMC EMISSION	Voltage Flicker	BS EN/EN61000-3-3					
	EMC EMISSION	Voltage Flicker BS EN/EN61547						
	EMC EMISSION	Voltage Flicker BS EN/EN61547 Parameter	Standard	Test Level / Note				
	EMC EMISSION	Voltage Flicker BS EN/EN61547 Parameter ESD	Standard BS EN/EN61000-4-2	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact				
	EMC EMISSION	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2				
	EMC EMISSION EMC IMMUNITY	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3				
		Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth				
		Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2				
		Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth				
		Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods				
	EMC IMMUNITY	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4				
		Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods				
MC	EMC IMMUNITY	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods				
EMC	EMC IMMUNITY	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 10	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	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods				
EMC	EMC IMMUNITY MTBF DIMENSION PACKING	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 10 246*77*39.5mm (L*W*H)	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 68.1 K hrs min. MIL-HDBK-217F (25°C)	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods				
OTHERS	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mer 2. De-rating may be needed under le	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 10 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT tioned are measured at 230VAC input, rated curre wi input voltages. Please refer to "STATIC CHARA	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 68.1 K hrs min.	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
OTHERS	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mer 2. De-rating may be needed under lot 3. The driver is considered as a com	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 10 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT Itioned are measured at 230VAC input, rated curre winput voltages. Please refer to "STATIC CHARA ponent that will be operated in combination with file	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 68.1 K hrs min.	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
OTHERS	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mer 2. De-rating may be needed under le 3. The driver is considered as a com the final equipment manufacturers	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 10 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT titioned are measured at 230VAC input, rated curre we input voltages. Please refer to "STATIC CHARA ponent that will be operated in combination with fits must re-qualify EMC Directive on the complete in	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/EN61000-4-1 BS EN/EN61000-4-11 68.1 K hrs min. MIL-HDBK-217F (25°C) ent and 25°C of ambient temperature. CCTERISTIC" sections for details. nal equipment. Since EMC performance will be a	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
OTHERS	MTBF DIMENSION PACKING 1. All parameters NOT specially mer 2. De-rating may be needed under to 3. The driver is considered as a com the final equipment manufacturers (as available on https://www.mear	Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332(Bellcore); 16 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT titioned are measured at 230VAC input, rated curre ow input voltages. Please refer to "STATIC CHARA ponent that will be operated in combination with fits a must re-qualify EMC Directive on the complete in swell.com//Upload/PDF/EMI_statement_en.pdf)	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 68.1 K hrs min. MIL-HDBK-217F (25°C) ent and 25°C of ambient temperature. CCTERISTIC" sections for details. nal equipment. Since EMC performance will be a stallation again.	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
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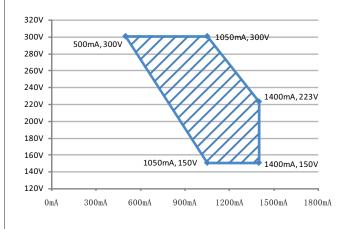


PFC fosc : 45KHz PWM fosc : 100KHz

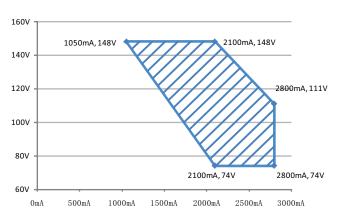


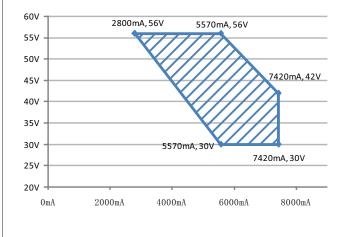
■ DRIVING METHODS OF LED MODULE

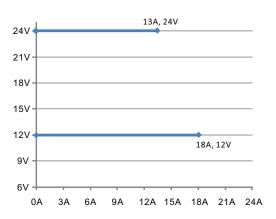




XLG-320-M



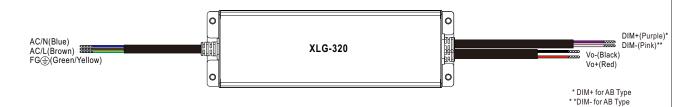




🔆 V type output voltage adjustable via biult-in potentiometer

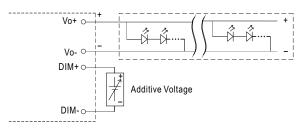


■ DIMMING OPERATION



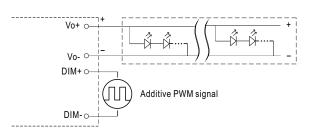
※ 3 in 1 dimming function (for AB-Type)

- 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.)



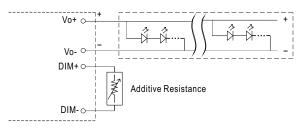
"DO NOT connect "DIM- to Vo-"

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

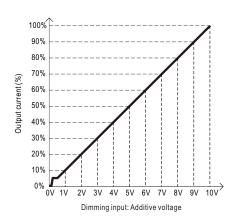


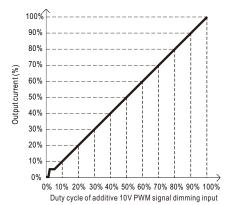
"DO NOT connect "DIM- to Vo-"

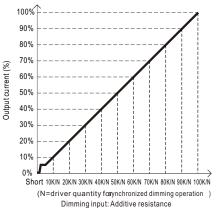
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





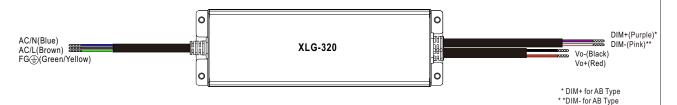


Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% lout <8%

- 2. The output current could drop down to 0% when dimming input is about 0Ω 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 .

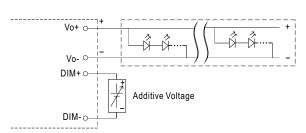


■ DIMMING OPERATION



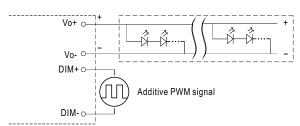
※ 3 in 1 dimming function (for ABV-Type)

- 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



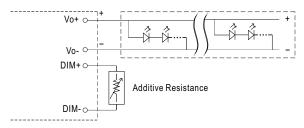
"DO NOT connect "DIM- to Vo-"

O Applying additive 10V PWM signal (frequency range 200Hz ~ 3KHz):

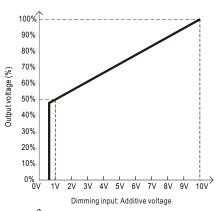


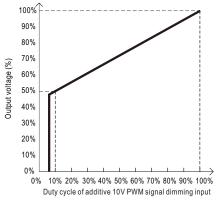
"DO NOT connect "DIM- to Vo-"

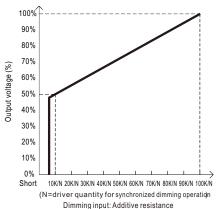
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"



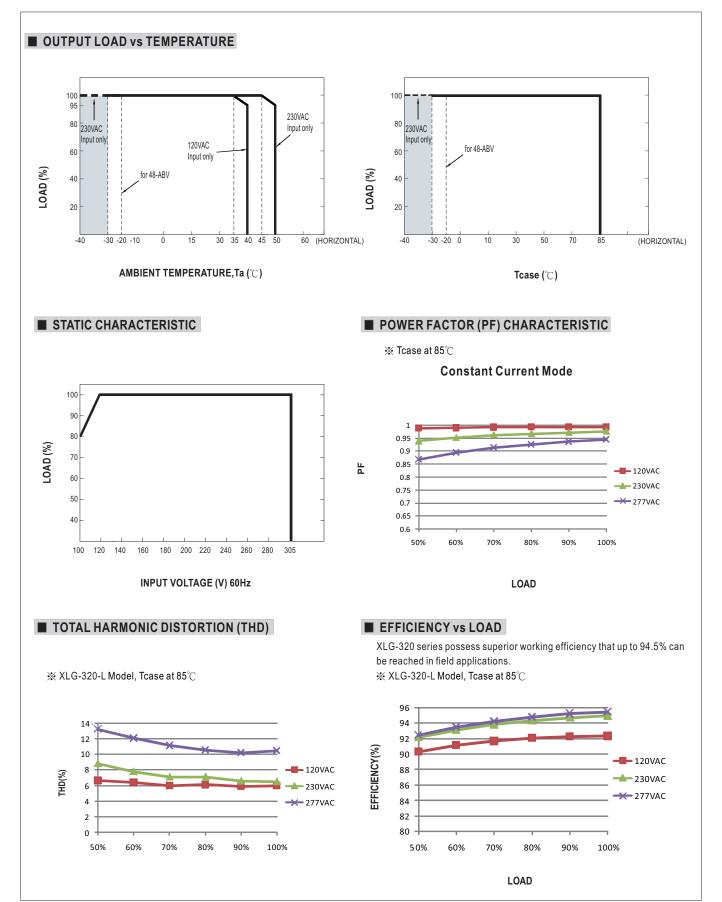




Note: 1. Min. dimming level is about 50% of output voltage and the output voltage is not defined when Vout < 50%

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.



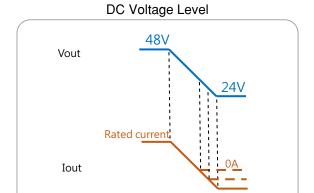




■ CONSTANT VOLTAGE DIMMING OPERATION:

48-ABV type

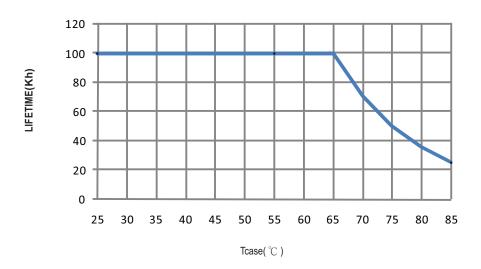
Note: flicker free design for agricultural lighting flicker free design for Indoor LED strip lighting



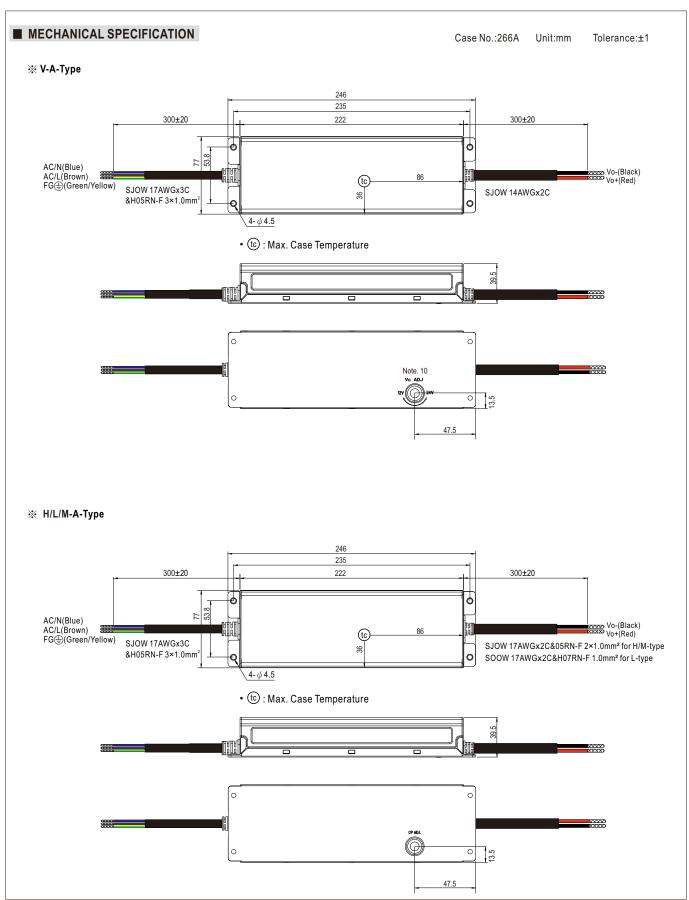
Iout = (Vout - Vf) / R

(Not a PWM style output)

■ LIFE TIME









※ AB/ABV-Type 235 300±20 320±20 222 UL2517 20AWGx2C DIM+(Purple) DIM-(Pink) AC/N(Blue) AC/L(Brown) FG (Green/Yellow) (tc) Vo-(Black) Vo+(Red) SJOW 17AWGx3C 38 &H05RN-F 3×1.0mm2 0 300±20 4- ψ 4.5 SJOW 17AWGx2C&05RN-F 2×1.0mm² SOOW 17AWGx2C&H07RN-F 1.0mm² for L-type ullet (tc): Max. Case Temperature 0 13.5 ■ Recommend Mounting Direction **■ INSTALLATION MANUAL** Please refer to : http://www.meanwell.com/manual.html

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MEAN WELL:

XLG-320-48-ABV