

Наличие и актуальные цены на

XLG-320-H-AB

https://www.mean-well.ru/store/XLG-320-H-AB/































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

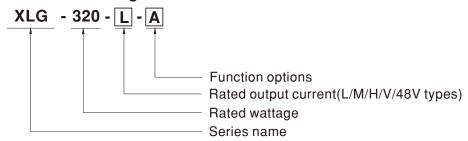
GTIN CODE

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

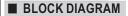
MODEL		XLG-320-L-	XLG-320-M-	XLG-320-H-	XLG-320-V-			
	RATED CURRENT (Default)	1400mA	2800mA	5600mA	13A/24V			
	RATED POWER Note.11	315W	310.8W	312W	24V/312W, 12V/216W			
	CONSTANT CURRENT REGION	150~300V	74 ~ 148V	30 ~ 56V	NC			
	OUTPUT VOLTAGE ADJ. RANGE	NC	NC	NC	24V or 12V			
	FULL POWER CURRENT RANGE	1050~1400mA	2100~2800mA	5570~7420mA	13~18A(24V/13A,12V/18A			
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	60V	NC NO			
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC NC NC			
OUTPUT	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated				
CONTROL	CURRENT TOLERANCE	±5%	±5%	±5%	NC			
	RIPPLE & NOISE(max.)	NC	NC NO	NC NC	240mV p-p			
	VOLTAGE TOLERANCE	NC	NC NC	NC NC	±3%			
	LINE REGULATION	NC NC	NC NC	NC NC	±0.5%			
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC	NC	INC	±2%			
	RISE TIME, HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC(only for V-type)						
	NOT TIME, NOED OF TIME (199.)	100ms/10ms/23uVaC/113VaC(only for V-type) 100 ~ 305VAC						
	VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC" ang "DRIVING METHODS OF LED MODULE"section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	DOWER FACTOR (Typ.)	$PF \ge 0.98 / 115VAC, PF \ge 0.95 / 230VAC, PF \ge 0.92 / 277VAC$ at full load						
	POWER FACTOR (Typ.)	(Please refer to "Power Factor Characteristic" section)						
	TOTAL HARMONIC DISTORTION	THD<10% @ load ≥50% at 115VAC/230VAC, THD<15%@Load>75% at 277VAC;						
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMON	IC DISTORTION (THD)" section					
INPUT	EFFICIENCY (Typ.)	94.5%	93.5%	92.5%	93%			
	AC CURRENT (Typ.)	3A / 120VAC 1.6A / 230VAC	1.3A / 277VAC	'	·			
	INRUSH CURRENT(Typ.)	COLD START 45A(twidth=1200μs m	easured at 50% Ipeak) at 230VAC; Pe	er NEMA 410				
	MAX. NO. of PSUs on 16A	2 unit(circuit breaker of two B) / 4 -	units(circuit breaker of type C) at 230	N/AC				
	CIRCUIT BREAKER	2 drint(circuit breaker of type B) / 4 t		JVAC				
	LEAKAGE CURRENT	<0.75mA / 277VAC						
	STANDBY POWER	Standby power consumption < 0.5W	for AB-Type(Dimming OFF)					
	CONSUMPTION Note.5							
	SHORT CIRCUIT	<u>'</u>	miting, recovers automatically after t		07.007			
	OVER VOLTAGE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V			
ROTECTION		Shut down output voltage, re-powe	· · · · · · · · · · · · · · · · · · ·					
KOIECIION	OVER TEMPERATURE Note.12	L/M/H-Type: Tcase>85°C ±5°C,de						
		v-1ype: 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.	`	"OUTPUT LOAD vs TEMPERATUR	E" section)				
	MAX. CASE TEMP.	Tcase=+85℃						
IVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY	$-40 \sim +80^{\circ}\mathrm{C}$, $10 \sim 95\%$ 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						
		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;						
	SAFETY STANDARDS							
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KV/	blank type), KC61347-1,KC61347-	-2-13 approved				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Of						
	ISOLATION RESISTANCE	Parameter	Standard		Test Level / Note			
		Conducted		SISPR15), GB/T 17743				
	EMC EMISSION	Radiated		(ISPR15),GB/T 17743				
	EWC EMISSION		· · · · · · · · · · · · · · · · · · ·	**				
		Harmonic Current	BS EN/EN61000-3		Class C @load≥50%			
SAFETY &		Voltage Flicker	BS EN/EN61000-3	-3				
MC		BS EN/EN61547	06		Toot Love ! / Note			
0		Parameter ESD	Standard BS EN/EN61000-4-	2	Test Level / Note			
			BS EN/EN61000-4- BS EN/EN61000-4-		Level 3, 8KV air ; Level 2, 4KV contact			
		Radiated EFT / Burst	BS EN/EN61000-4-		Level 2 Level 3			
	EMO IMMUNITY	Surge	BS EN/EN61000-4-		4KV/Line-Line 6KV/Line-Earth			
		Conducted						
	EMC IMMUNITY		BS EN/EN61000-4-		Level 2 Level 4			
	EMCIMMUNITY		BC ENTENETODO 4	0	LCVCI 4			
	EMCIMMUNITY	Magnetic Field	BS EN/EN61000-4-		>95% din 0 5 periode 200/ din 25 periode			
	EMC IMMUNITY		BS EN/EN61000-4- BS EN/EN61000-4-	11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
	MTBF	Magnetic Field Voltage Dips and Interruptions						
OTHERS	MTBF	Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332	BS EN/EN61000-4-					
OTHERS	MTBF DIMENSION	Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H)	BS EN/EN61000-4-					
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	MTBF DIMENSION PACKING 1. All parameters NOT specially mentic 2. De-rating may be needed under low 3. The driver is considered as a compound of the final equipment manufacturers in (as available on https://www.meanw 4. This series meets the typical life eye 5. To fulfill requirements of the latest E. 6. Please refer to the warranty stateme 7. The ambient temperature derating o. 8. For any application note and IP wate https://www.meanwell.com/Upload/F. 9. Products sourced from the Americas 10. Some products may not have the 51. The output voltage of the V Type de 12. When the secondary O'T Falis, the 13. When the secondary o' a voluntary ba M.I. type:RCM is on a voluntary ba M.I. type:RCM is on a voluntary ba 15. It may has an over-shoot status at	Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT and are measured at 230VAC input, rat input voltages. Please refer to "STATIC ment that will be operated in combination ust re-qualify EMC Directive on the core ill.com/Upload/PDF/EMI statement, et ectancy >50,000 hours of operation why Pregulation for lighting fixture, this LEI not on MEAN WELL's website at http://w.3.5°C/1000m with fanless models and re proof function installation caution, ple PDF/LED_EN.pdf regions may not have the ENEC/CCC/IS logo, please contact your MEAN WE fault is 24V, for 12V output, please adjuere is also a primary OTP, which is prote than 110% of the rated current, it will is. Non IC classification Independent L sis and meets relevant IEC or AS/NZS soutput current when AC On/Off operate	BS EN/EN61000-4- 2(Bellcore); 168.1 K hrs min. MIL ed current and 25°C of ambient tempe CHARACTERISTIC* sections for deta n with final equipment. Since EMC per pplete installation again. npdf) en Tcase, particularly (point (or TMF) driver can only be used behind a swi ww.meanwell.com of 5°C/1000m with fan models for oper ase refer our user manual before using KC logo. Please contact your MEAN V it.L sales for more information. st SVR by clockwise direction to the er cted by Shut down output voltage, re- be enter the Protection state. ED control gear is not suitable for resic standards complying with AS/NZS 441* with lower Vf and lower loading conditi	rature. ills. formance will be affected by the state of the without permanently connuctating altitude higher than 200 g. VELL sales for more information, otherwise the OLP point is sower on to recovery for the Highential installations. 7.1.	>95% interruptions 250 periods the complete installation, nected to the mains. 10m(6500ft). on. s not within the specification range.			
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312W Constant Voltage LED Driver

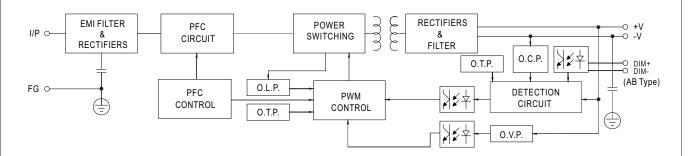
SPECIFICATION

	XLG-320-48-ABV						
RATED CURRENT	6.5A						
RATED POWER (Max.)	312W						
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							
SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC						
	, ,						
VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC")						
FREQUENCY RANGE	47 ~ 63Hz						
POWER FACTOR (Typ.)	PF≥0.98 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load						
	THD<10% @ load≥50% at 115VAC/230VAC, THD<15%@Load>75% at 277VAC;						
	COLD START 45A(twidth=1200µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC						
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						
OVERVOLTACE	54 ~ 60V						
	Shut down output voltage, re-power on to recovery						
OVER TEMPERATURE Note.10							
	105~135%						
OVER LOAD	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
WORKING TEMP							
	-						
	20 ~ 95% RH non-condensing						
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 7	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), GB19510.14; 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							
	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%				
	Voltage Flicker	BS EN/EN61000-3-3					
		Standard	Test Level / Note				
			Level 3, 8KV air ; Level 2, 4KV contact				
			Level 2				
			Level 3				
EMC IMMUNITY			4KV/Line-Line 6KV/Line-Earth				
	•						
			Level 2				
	Magnetic Field	BS EN/EN61000-4-8	Level 4				
	Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods				
l			/90 // Interruptions 200 periods				
MTBF	1476.4K hrs min. Telcordia SR-332(Bellcore); 168.1 K hrs min. MIL-HDBK-217F (25°C)						
	246*77*39.5mm (L*W*H)						
DIMENSION	210 11 00:0:::::::(2 11 11)		1.45Kg;9pcs/14Kg/0.76CUFT				
PACKING							
	RATED POWER (Max.) DC VOLTAGE RIPPLE & NOISE(max.) VOLTAGE TOLERANCE LINE REGULATION LOAD REGULATION DIMMING TOLERANCE SET UP TIME Note.9 RISE TIME,HOLD UP TIME (Typ.) VOLTAGE RANGE Note.2 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) INRUSH CURRENT(Typ.) MAX. NO. OF PSUS on 16A CIRCUIT BREAKER LEAKAGE CURRENT STANDBY POWER CONSUMPTION SHORT CIRCUIT OVER VOLTAGE OVER TEMPERATURE Note.10 OVER LOAD WORKING TEMP. MAX. CASE TEMP. WORKING HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	RATED CURRENT RATED POWER (Max.) DC VOLTAGE RATED POWER (Max.) DC VOLTAGE RIPPLE & NOISE(max.) VOLTAGE TOLERANCE ± 2.0% LINE REGULATION ± 0.5% LINE REGULATION ± 0.5% LINE REGULATION LOAD REGULATION LOAD REGULATION DIMMING TOLERANCE SET UP TIME Note.9 SOOms/230VAC, 1200ms/115VAC RISE TIME,HOLD UP TIME (Typ.) VOLTAGE RANGE Note.2 (Please refer to "STATIC CHARACTERIST FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION EFFICIENCY (Typ.) AC CURRENT (Typ.) MAX. NO. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT STANDBY POWER CONSUMPTION SHORT CIRCUIT OVER VOLTAGE Hiccup mode or Constant current limiting, re-power on to recommend to the commendation of the commen	RATED CURRENT 6,5A 312W 50 VOLTAGE 48V(Adjustable 43.2~52.8V) RIPPLE & NOISE(max.) 250 mVp-p VOLTAGE TOLERANCE ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0% ± 2.0%				



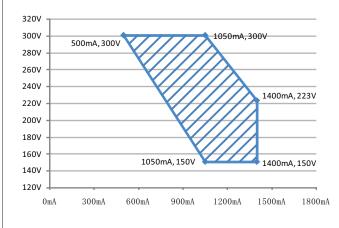


PFC fosc : 45KHz PWM fosc : 100KHz

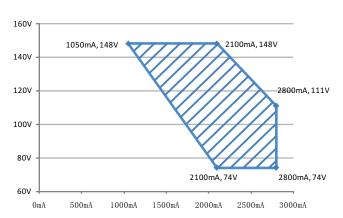


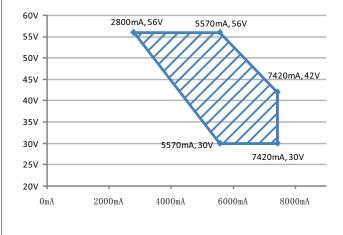
■ DRIVING METHODS OF LED MODULE

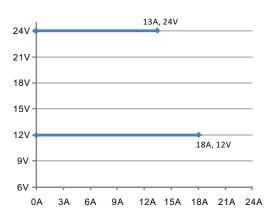




XLG-320-M



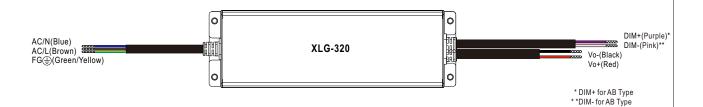




🔆 V type output voltage adjustable via biult-in potentiometer

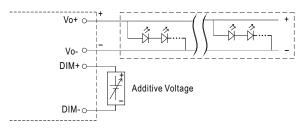


■ DIMMING OPERATION



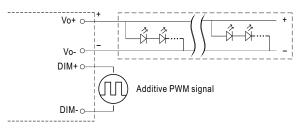
※ 3 in 1 dimming function (for AB-Type)

- 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.)



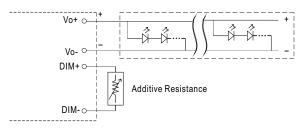
"DO NOT connect "DIM- to Vo-"

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

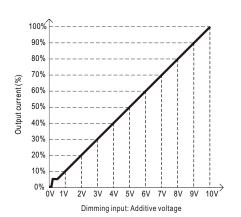


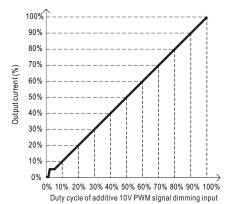
"DO NOT connect "DIM- to Vo-"

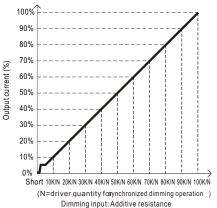
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





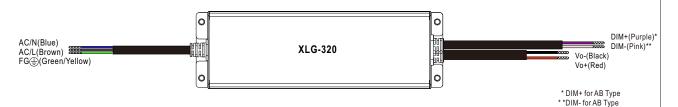


Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% lout <8%

- 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

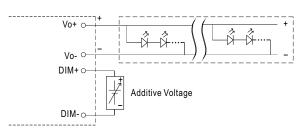


■ DIMMING OPERATION



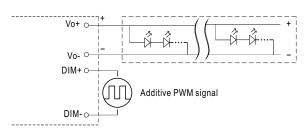
※ 3 in 1 dimming function (for ABV-Type)

- 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



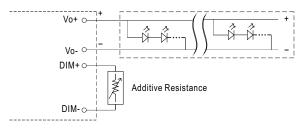
"DO NOT connect "DIM- to Vo-"

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

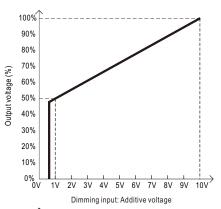


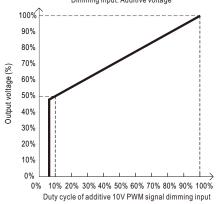
"DO NOT connect "DIM- to Vo-"

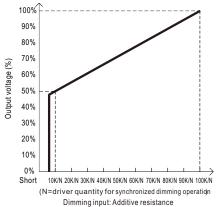
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"



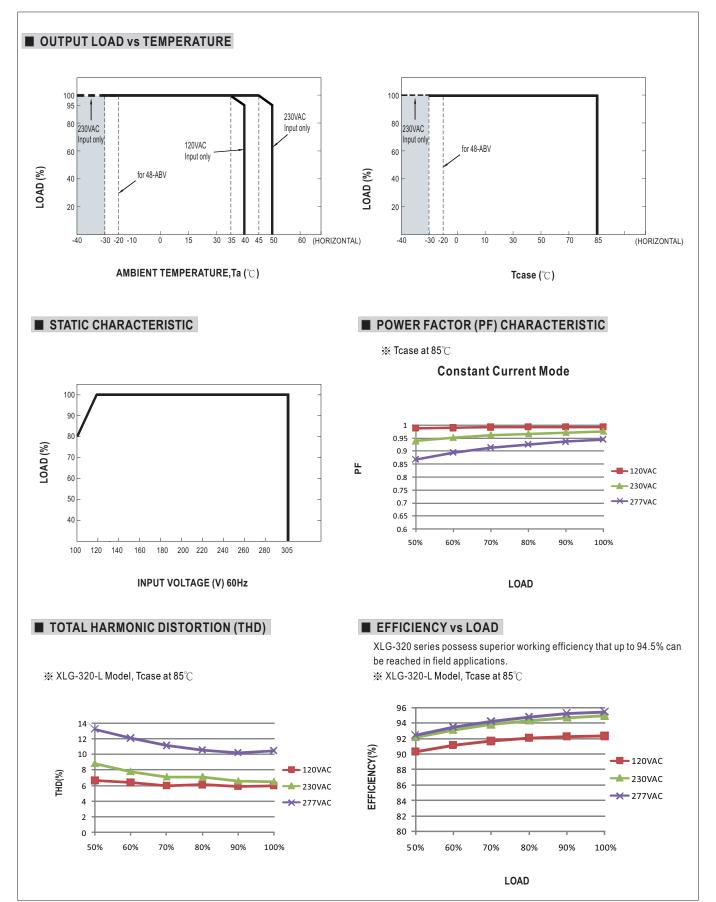




Note: 1. Min. dimming level is about 50% of output voltage and the output voltage is not defined when Vout < 50%

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.



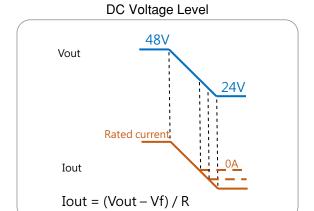




■ CONSTANT VOLTAGE DIMMING OPERATION:

48-ABV type

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



(Not a PWM style output)

■ LIFE TIME

