





























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

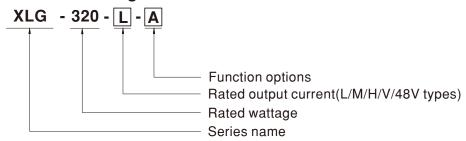
GTIN CODE

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°C ~+85°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	Io 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 Io 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

		XLG-320-L-	XLG-320-M-	XLG-320-H-	XLG-320-V-			
	RATED CURRENT (Default)	1400mA	2800mA	5600mA	13A/24V			
	RATED POWER Note.10	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/18			
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	60V	NC NC			
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC NC			
OUTPUT	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated o				
JUIPUI	CURRENT TOLERANCE	±5%	±5%	±5%	NC			
	RIPPLE & NOISE(max.)	NC	NC NC	NC	240mV p-p			
	VOLTAGE TOLERANCE	NC	NC	NC	±3%			
	LINE REGULATION	NC	NC NC	NC NC	±0.5%			
	LOAD REGULATION	NC 500ms/230VAC, 1200ms/115VAC	NC	NC	±2%			
	RISE TIME, HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC(only for V-type)						
	NOT TIME, HOLD OF TIME (Typ.)	100 ~ 305VAC 142VDC ~ 431VDC						
	VOLTAGE RANGE Note.2	(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
	FREQUENCY RANGE	47 ~ 63Hz						
	DOWED FACTOR (T)	$PF \ge 0.98 / 115VAC, PF \ge 0.95 / 230VAC, PF \ge 0.92 / 277VAC$ 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 HARMONIC 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.)		easured at 50% Ipeak) at 230VAC; Pe	r NEMA 410				
	MAX. NO. of PSUs on 16A	2 unit(airquit baseline Ct D) (t	mito/oirquit brlif4 OV 1 222	V/A C				
	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	Standby power consumption <0.5W for AB-Type(Dimming OFF)						
	CONSUMPTION Note.5	11		h Bu i				
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed						
	OVER VOLTAGE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V			
2075071011		Shut down output voltage, re-power	<u> </u>					
ROTECTION	OVER TEMPERATURE Note.11	L/M/H-Type: Tcase>85°C ±5°C,der						
		V-Type: Shut down output voltage, re-power on to recover						
	OVER LOAD Note.10	108~135%(only for V-type)						
		· ·	miting, recovers automatically after fa					
	WORKING TEMP.	Tcase=-40 ~ +85°C (Please refer to	"OUTPUT LOAD vs TEMPERATURE	E" section)				
	MAX. CASE TEMP.	Tcase=+85°C						
IVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
IVIKONWENT	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, peri-	od for 72min. each along X, Y, Z axe	······································				
		, , , ,	•		ependent, BS EN/EN62384, EN/EN60335-1			
	SAFETY STANDARDS	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						
	SAFETY STANDARDS			I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVA	AC O/P-FG:1.5KVAC	.,				
		I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh	AC O/P-FG:1.5KVAC nms / 500VDC / 25°C / 70% RH					
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C / 70% RH Standard		Test Level / Note			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C / 70% RH Standard	SPR15),GB/T 17743	Test Level / Note			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(Cl					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(Cl	SPR15),GB/T 17743 SPR15),GB/T 17743				
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI	SPR15),GB/T 17743 SPR15),GB/T 17743 2 , GB17625.1				
AFETY &	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI BS EN/EN61000-3-	SPR15),GB/T 17743 SPR15),GB/T 17743 2 , GB17625.1	 Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker	AC O/P-FG:1.5KVAC lms / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI BS EN/EN61000-3-	SPR15),GB/T 17743 SPR15),GB/T 17743 2 , GB17625.1	 Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-3-	SPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	 Class C @load≥50%			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-3- Standard	SPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	Class C @load≥50% Test Level / Note			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2	SPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2	ISPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3	ISPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-2	SPR15),GB/T 17743 ISPR15),GB/T 17743 2 , GB17625.1 3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3	Class C @load≥50% 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,			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3	Class C @load≥50% 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			
SAFETY &	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3	Class C @load≥50% 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,			
МС	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3	Class C @load≥50% 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,			
ис	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current 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	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3	Class C @load≥50% 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	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mention	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-1 BS EN/EN61000-4-1 BS EN/EN61000-4-1	SPR15),GB/T 17743 SPR15),GB/T 17743 2, GB17625.1 3 2 3 4 5 6 6 7 8 11 HDBK-217F (25°C)	Class C @load≥50% 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	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mentio 2. De-rating may be needed under low 3. The driver is considered as a compo	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT under are measured at 230VAC input, rat input voltages. Please refer to "STATIC ment that will be operated in combination	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2 BS EN/EN61000-4-1 C(Bellcore); 168.1 K hrs min. MIL-	SPR15),GB/T 17743 SPR15),GB/T 17743 2,GB17625.1 3 2 3 4 5 6 6 7 11 HDBK-217F (25°C)	Class C @load≥50% 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			
DTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mentio 2. De-rating may be needed under low 3. The driver is considered as a comporthe final equipment manufacturers multiple for the final equipment mu	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT input voltages. Please are for to "STATIC nent that will be operated in combination ust re-qualify EMC Directive on the con	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CI BS EN/EN55015(CI BS EN/EN61000-3- BS EN/EN61000-4-2 BS EN/EN61000-4-1 IN BE EN/EN61000-4-1 BS EN/EN61000-4-1	SPR15),GB/T 17743 SPR15),GB/T 17743 2,GB17625.1 3 2 3 4 5 6 6 7 11 HDBK-217F (25°C)	Class C @load≥50% 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	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mentio 2. De-rating may be needed under low 3. The driver is considered as a compo the final equipment manufacturers m (as available on https://www.meanwel 4. This series meets the typical life eye (as in the proper of the prop	I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 1476.4K hrs min. Telcordia SR-332 246*77*39.5mm (L*W*H) 1.45Kg;9pcs/14Kg/0.76CUFT uned are measured at 230VAC input, ratinput voltages. Please refer to "STATIC input that will be operated in combination but re-qualify EMC Directive on the consult.com/Upload/PD/EMI_statement_erectancy >50.00 hours of operation whe	AC O/P-FG:1.5KVAC Ims / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN55015(C) BS EN/EN61000-3- BS EN/EN61000-3- Standard BS EN/EN61000-4-2 SS EN/EN61000-4-2 BS EN/EN61000-4-1 SS EN/EN61000-4-2 BS EN/EN61000-4-1 SS EN/EN61000-4-2 BS EN/EN61000-4-1 SS EN/EN61000-4-1	ISPR15), GB/T 17743 ISPR15), GB/T 17743 2, GB17625.1 3 2 3 4 3 4 4 5 6 6 6 7 11 4-HDBK-217F (25°C) ature. Is. Is. Is, per DLC), is 75°C or less.	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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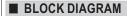
- X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

312W Constant Voltage LED Driver

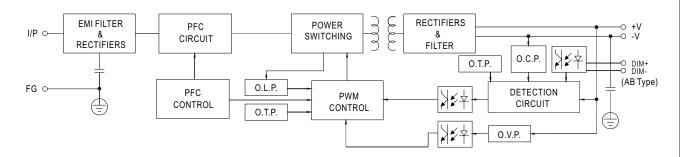
SPECIFICATION

	XLG-320-48-ABV					
RATED CURRENT	6.5A					
RATED POWER (Max.)	312W					
	48V(Adjustable 43.2~52.8V)					
· ,						
RISE TIME,HOLD UP TIME (Typ.)	160ms,10ms/230VAC/115VAC					
VOLTAGE RANGE Note.2						
EDECHENCY DANCE	· ·					
1 7 7	93.5%					
	3A/120VAC 1.6A/230VAC 1.3A/277VAC					
	COLD START 45A(twidth=1200µs measured at 50% Ipeak) 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					
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					
OVER VOLTAGE	54~60V					
	Shut down output voltage, re-power on to recovery					
OVER TEMPERATURE Note.10	Shut down output voltage, re-power on to recovery					
OVERLOAD	105~135%					
OVER LOAD	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed					
WORKING TEMP.	Tcase=-20 ~ +85°C (Please refer to "OL	JTPUT LOAD vs TEMPERATURE" section)				
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	, ,					
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;					
SAFFTY STANDARDS			dependent, BS EN/EN62384;			
SAFETY STANDARDS	GB19510.1, GB19510.14;EAC TP TC		dependent, BS EN/EN62384;			
SAFETY STANDARDS WITHSTAND VOLTAGE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC	004; IP67 approved O/P-FG:1.5KVAC	dependent, BS EN/EN62384;			
	GB19510.1, GB19510.14;EAC TP TC	004; IP67 approved O/P-FG:1.5KVAC	dependent, BS EN/EN62384;			
WITHSTAND VOLTAGE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard	idependent, BS EN/EN62384; Test Level / Note			
WITHSTAND VOLTAGE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH				
WITHSTAND VOLTAGE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard	Test Level / Note			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743	Test Level / Note			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	Test Level / Note			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN56015(CISPR15), GB/T 17743	Test Level / Note Class C @load≥50%			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN56015(CISPR15), GB/T 17743	Test Level / Note Class C @load≥50%			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3	Test Level / Note Class C @load≥50%			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard	Test Level / Note Class C @load≥50% Test Level / Note			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact			
WITHSTAND VOLTAGE ISOLATION RESISTANCE	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 3			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EACTPTC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EACTPTC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	Test Level / Note Class C @load≥50% 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			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EACTPTC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth Level 2			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	GB19510.1, GB19510.14;EACTPTC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-1	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current 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(Be	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-1	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current 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(Be 246*77*39.5mm (L*W*H)	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-1	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	GB19510.1, GB19510.14;EAC TP TC I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted Radiated Harmonic Current 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(Be 246*77*39.5mm (L*W*H) 1.45Kg:9pcs/14Kg/0.76CUFT	004; IP67 approved O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-1	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
_	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.) INRUSH CURRENT(Typ.) MAX. NO. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT STANDBY POWER CONSUMPTION SHORT CIRCUIT	DC VOLTAGE RIPPLE & NOISE(max.) VOLTAGE TOLERANCE LINE REGULATION LOAD REGULATION DIMMING TOLERANCE ET UP TIME Note.9 VOLTAGE RANGE Note.2 FREQUENCY RANGE POWER FACTOR (Typ.) TOTAL HARMONIC DISTORTION BAX. NO. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT LEAKAGE CURRENT OVER VOLTAGE SOLUTION SHORT CIRCUIT OVER VOLTAGE Note.10 Note.10 Note.20 AC SURRENTURE Note.20 Note.30 No	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.) VOLTAGE RANGE Note.2 100 ~ 305VAC 142VDC ~ 431VDC (Please refer to "STATIC CHARACTERISTIC") FREQUENCY RANGE 47 ~ 63Hz POWER FACTOR (Typ.) 93.5% AC CURRENT (Typ.) 33.75% AC CURRENT (Typ.) 34.7120VAC 1.8A/230VAC, 1.3A/277VAC INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT COLD START 45A(Iwidth=1200)us measured at 50% lipeak) 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 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) 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 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) 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 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; Per NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; Per NEMA 410 MAX. O. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; Per NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; Per NEMA 410 MAX. O. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; PER NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; PER NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; PER NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC; PER NEMA 410 COLD START 45A(Iwidth=1200)us measured at 50% lipeak) at 230VAC;			



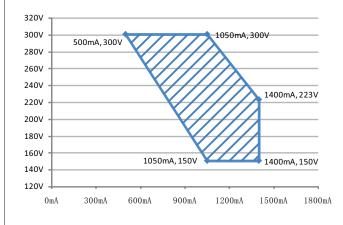


PFC fosc : 45KHz PWM fosc : 100KHz

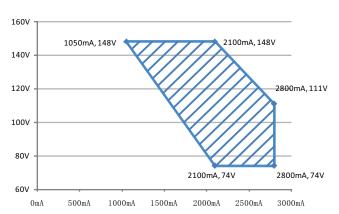


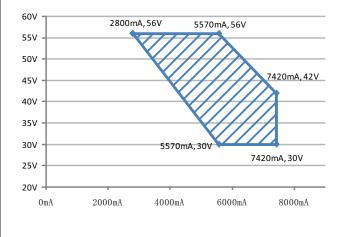
■ DRIVING METHODS OF LED MODULE

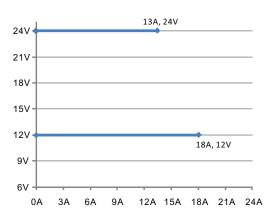




XLG-320-M



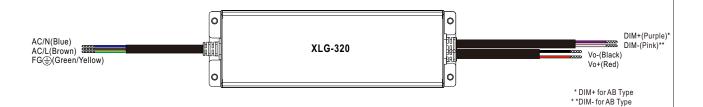




🔆 V type output voltage adjustable via biult-in potentiometer

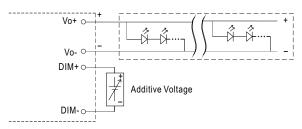


■ DIMMING OPERATION



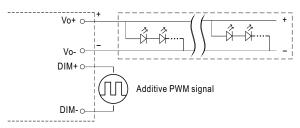
※ 3 in 1 dimming function (for AB-Type)

- 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.)



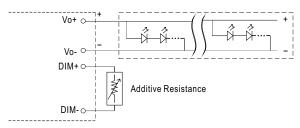
"DO NOT connect "DIM- to Vo-"

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

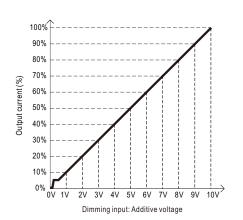


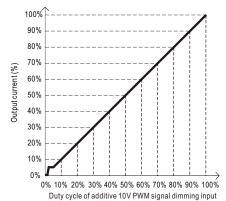
"DO NOT connect "DIM- to Vo-"

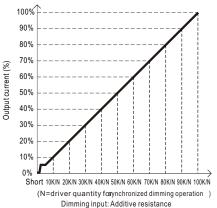
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





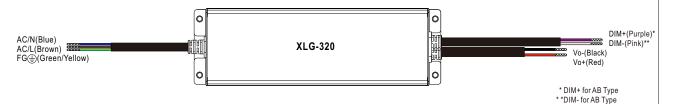


Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% lout <8%

- 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

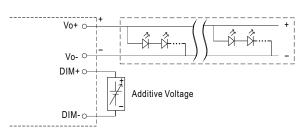


■ DIMMING OPERATION



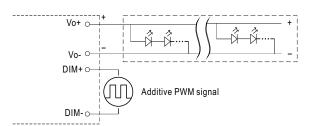
※ 3 in 1 dimming function (for ABV-Type)

- 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



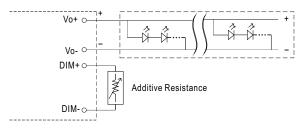
"DO NOT connect "DIM- to Vo-"

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

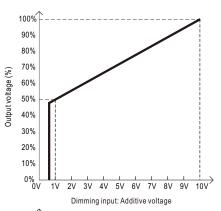


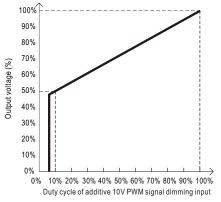
"DO NOT connect "DIM- to Vo-"

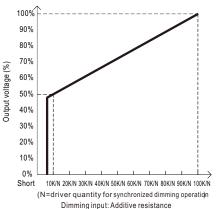
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"



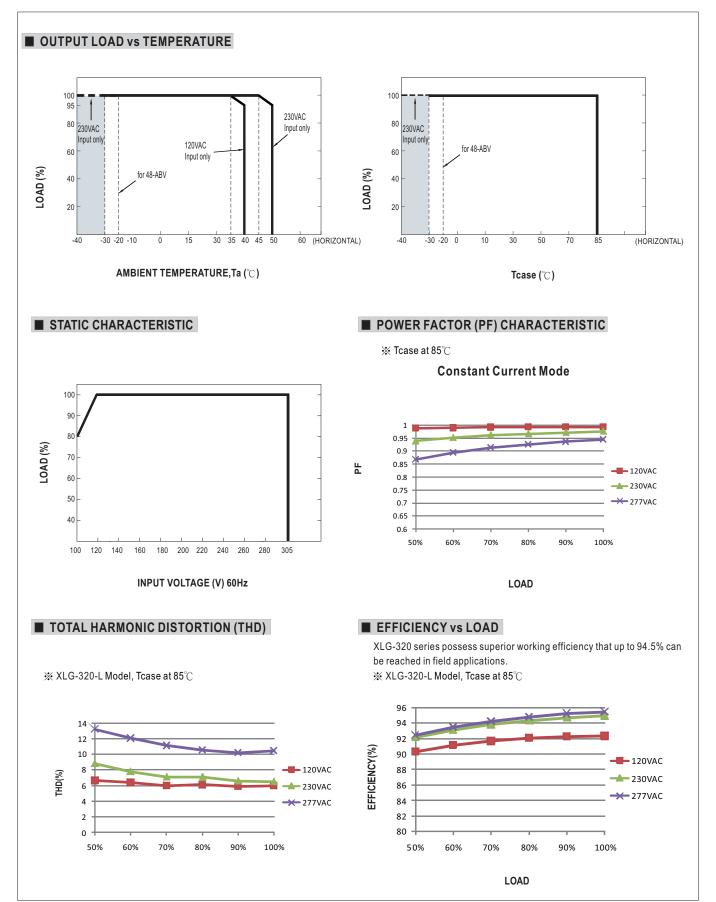




Note: 1. Min. dimming level is about 50% of output voltage and the output voltage is not defined when Vout < 50%

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.





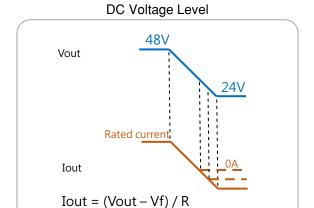


■ CONSTANT VOLTAGE DIMMING OPERATION:

48-ABV type

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

Vout 30. 0v 20. 0v 10. 0v 1V 2V 3V 4V 5V 6V 7V 8V 9V 10V Vdim



(Not a PWM style output)

■ LIFE TIME

