



























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

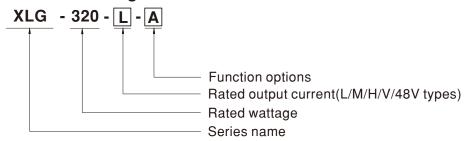
GTIN CODE

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

File Name:XLG-320-SPEC 2023-09-08



MODEL		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/18A					
	OPEN CIRCUIT VOLTAGE (max.)	340V	180V	60V	NC					
	CURRENT ADJ. RANGE	500~1400mA	1050~2800mA	2800~7420mA	NC					
	CURRENT RIPPLE	5.0% max. @rated current	5.0 max. @rated current	5.0% max. @rated	current NC					
UTPUT	CURRENT TOLERANCE	±5%	±5%	±5%	NC					
	RIPPLE & NOISE(max.)	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)								
		$100 \sim 305 \text{VAC} \qquad 142 \text{VDC} \sim 431 \text{VDC} $ (Please refer to "STATIC CHARACTERISTIC" ang "DRIVING METHODS OF LED MODULE" section) $47 \sim 63 \text{Hz}$ $PF \geq 0.98 / 115 \text{VAC}, PF \geq 0.95 / 230 \text{VAC}, PF \geq 0.92 / 277 \text{VAC} \text{ at full load}$								
	VOLTAGE RANGE Note.2									
	FREQUENCY RANGE									
	POWER FACTOR (Typ.)									
	POWER PACTOR (Typ.)	(Please refer to "Power Factor Cha	aracteristic" section)							
	TOTAL HARMONIC DISTORTION	THD< 10% @ load ≥ 50% at 115V.	AC/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.)	COLD START 45A(twidth=1200μs m	neasured at 50% Ipeak) at 230VAC; Pe	er NEMA 410						
	MAX. NO. of PSUs on 16A									
	CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC								
	LEAKAGE CURRENT	<0.75mA/277VAC								
	STANDBY POWER									
	CONSUMPTION Note.5	Standby power consumption <0.5W for AB-Type(Dimming OFF)								
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed								
	OVER VOLTACE	350 ~ 380V	190 ~ 220V	63 ~ 78V	27 ~ 34V					
	OVER VOLTAGE	Shut down output voltage, re-power on to recovery								
ROTECTION		L/M/H-Tune: Trase>85°C, +5°C, derate nower automatically								
	OVER TEMPERATURE Note.11	V-Type: Shut down output voltage, re-power on to recover								
	OVER LOAD	108~135%(only for V-type)								
	OVER LOAD Note.10	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								
	WORKING HUMIDITY	20 ~ 95% RH non-condensing								
IVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing								
		, , , , , , , , , , , , , , , , , , ,								
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)	'							
	VIBRATION	, , , , ,	iod for 72min. each along X, Y, Z axe							
					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								
	SAFETY STANDARDS				P TC 004; IP67;					
		IS15885(Part2/Sec13)(except for	blank type), KC61347-1,KC61347-		P TC 004; IP67;					
	WITHSTAND VOLTAGE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KVA	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC		P TC 004; IP67;					
		IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG, O/P-FG:100M Of	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC nms / 500VDC / 25°C / 70% RH							
	WITHSTAND VOLTAGE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 500VDC / 25°C / 70% RH Standard	2-13 approved	Test Level / Note					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M OF Parameter Conducted	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743	Test Level / Note					
	WITHSTAND VOLTAGE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743	Test Level / Note					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1	Test Level / Note Class C @load≥50%					
AFFTV 9	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1	Test Level / Note					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1	Test Level / Note Class C @load≥50%					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC nms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN561000-3 BS EN/EN61000-3 Standard	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1	Test Level / Note Class C @load≥50% Test Level / Note					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C) BS EN/EN561000-3 BS EN/EN61000-3 Standard BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3	Test Level / Note Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -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	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN61000-3 BS EN/EN61000-3 Standard BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -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	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 3	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	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV. I/P-O/P, I/P-FG: O/P-FG: 100M O/Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN55015(C BS EN/EN61000-3 Standard BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 3 2 3 4 5 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	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4- BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 3 2 3 4 5 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 Level 4					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV. I/P-O/P, I/P-FG: O/P-FG: 100M O/Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN55015(C BS EN/EN61000-3 Standard BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,					
	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG:0/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -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 Level 2 Level 4					
MC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG:0/P-FG:100M Of 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	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,					
ис	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG:0/P-FG:100M Of Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,					
IC .	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG:0/P-FG:100M Of 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	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 -2 , GB/T17625.1 -3 -2 -3 -4 -5 -5 -5 -5 -5 -5 -5 -5 -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 Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,					
MC	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mention	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG, O/P-FG:100M Of 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 ed are measured at 230VAC input, rated	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC mms / 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-	2-13 approved ISPR15) ,GB/T17743 ISPR15) ,GB/T17743 2-2 ,GB/T17625.1 3 2 3 4 5 6 3 11 -HDBK-217F (25°C)	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 >95% dip 0.5 periods, 30% dip 25 periods,					
OTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low in	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of 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 ed are measured at 230VAC input, rated put voltages. Please refer to "STATIC C	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC nms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN55015(C BS EN/EN61000-3 BS EN/EN61000-4-	2-13 approved ISPR15) ,GB/T17743 ISPR15) ,GB/T17743 -2 , GB/T17625.1 -3 -4 -5 -6 -3 -11 -HDBK-217F (25°C)	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 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods					
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OTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low ir all the series of the final equipment manufacturers mu 4. This series meets the typical life experiments of the latest Erf 6. Please refer to the warranty statemen 7. The ambient temperature derating of 8. For any application note and IP water https://www.meanwell.com/ulpload/PC 9. Products sourced from the Americas r	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG, O/P-FG:100M Of 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 ed are measured at 230VAC input, rated input voltages. Please refer to "STATIC C ent that will be operated in combination or tre-qualify EMC Directive on the completancy >50,000 hours of operation when P regulation for lighting fixture, this LED of the MEAN WELL's website at http://www.35°C/1000m with fanless models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of perfect in the New York with surface models and of proof function installation caution, please of Price December 1981 and 1981	blank type), KC61347-1,KC61347- 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- BS EN/EN61000-4	2-13 approved ISPR15) ,GB/T17743 ISPR15),GB/T17743 2-2 ,GB/T17625.1 3 2 3 4 5 6 3 111 -HDBK-217F (25°C) e. ance will be affected by the common of DLC), is 75°C or less. without permanently connected in altitude higher than 2000m(656) sales for more information.	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 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods piplete installation, to the mains.					
OTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low ir 3. The driver is considered as a compon the final equipment manufacturers mu 4. This series meets the typical life expe 5. To fulfill requirements of the latest Erf 6. Please refer to the warranty statemen 7. The ambient temperature derating of 18. For any application note and IP water https://www.meanwell.com/Upload/PC 9. Products sourced from the Americas r 10.The output voltage of the V Type def 10.The output voltage of the Output voltage of the V Type def 10.The output voltage	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV. I/P-O/P:J/P-FG. O/P-FG:100M O/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 ed are measured at 230VAC input, rated put voltages. Please refer to "STATIC Cent that will be operated in combination vs tre-qualify EMC Directive on the complicancy >50,000 hours of operation when Pregulation for lighting fixture, this LED of ton MEAN WELL's website at http://www.3.5°C/1000m with fanless models and of proof function installation caution, please please of the complex of the	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN55015(C BS EN/EN61000-3 BS EN/EN61000-4- Current and 25°C of ambient temperatur HARACTERISTIC" sections for details. with final equipment. Since EMC perform ete installation again. Tcase, particularly (©) point (or TMP, pe driver can only be used behind a switch v.meanwell.com 5°C/1000m with fan models for operating er refer our user manual before using. Clogo. Please contact your MEAN WELL SVH by clockwise direction to the end. c	2-13 approved ISPR15) ,GB/T17743 ISPR15) ,GB/T17743 2-2 ,GB/T17625.1 3 4 5 6 8 11 -HDBK-217F (25°C) e. ance will be affected by the corr pLC), is 75°C or less. without permanently connected altitude higher than 2000m(650) sales for more information. therwise the OLP point is not w	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 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods only to the mains. Doft).					
THERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low ir all the series of the final equipment manufacturers mu 4. This series meets the typical life experiments of the latest Erf 6. Please refer to the warranty statemen 7. The ambient temperature derating of 8. For any application note and IP water https://www.meanwell.com/ulpload/PC 9. Products sourced from the Americas r	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV, I/P-O/P, I/P-FG, O/P-FG:100M Of 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 ed are measured at 230VAC input, rated put voltages. Please refer to "STATIC Cent that will be operated in combination vs tre-qualify EMC Directive on the completancy s50,000 hours of operation when Pregulation for lighting fixture, this LEO of to MEAN WELL's website at http://www.3.5°C/1000m with fanless models and of proof function installation caution, please F/LED_EN.pdf regions may not have the ENEC/CC/KC/KC aut is 24V, for 12V output, please adjust is also a primary OTP, which is protects	blank type), KC61347-1,KC61347- AC O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(C BS EN/EN55015(C BS EN/EN61000-3 BS EN/EN61000-4- BS EN/EN61000-4	2-13 approved ISPR15) ,GB/T17743 ISPR15) ,GB/T17743 2-2 ,GB/T17625.1 3 4 5 6 8 11 -HDBK-217F (25°C) e. ance will be affected by the corr pLC), is 75°C or less. without permanently connected altitude higher than 2000m(650) sales for more information. therwise the OLP point is not w	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 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods inplete installation, to the mains.					
OTHERS	WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low ir 3. The driver is considered as a compon the final equipment manufacturers mu 4. This series meets the typical life expe 5. To fulfill requirements of the latest Erf 6. Please refer to the warranty statemen 7. The ambient temperature derating of 18. For any application note and IP water https://www.meanwell.com/Upload/PC 9. Products sourced from the Americas r 10.The output voltage of the V Type def 11. When the secondary OTP fails, there 12. When the current adjustment is more 13. V , H type : RCM is on a voluntary b 13. V , H type : RCM is on a voluntary b 14. The contraction of the current adjustment is more 13. V , H type : RCM is on a voluntary b	IS15885(Part2/Sec13)(except for I/P-O/P:3.75KVAC I/P-FG:2KV/I/P-O/P, I/P-FG, O/P-FG:100M Of 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 ed are measured at 230VAC input, rated input voltages. Please refer to "STATIC Clent that will be operated in combination vs tre-qualify EMC Directive on the completion of righting fixture, this LED c ton MEAN WELL's website at http://www.sic//IACMC.EN.pdf vs.V.f. (Part SV) for 12V output, please adjust by is also a primary OTP, which is protected than 110% of the rated current, it will be than 110% of the rated current, it will be is also a primary OTP, which is protected than 110% of the rated current, it will be than 110% of the	blank type), KC61347-1,KC61347- AC	2-13 approved ISPR15) ,GB/T17743 ISPR15) ,GB/T17743 2-2 ,GB/T17625.1 3 4 5 3 4 5 6 8 111 -HDBK-217F (25°C) e. ance will be affected by the corr r DLC), is 75°C or less. without permanently connected altitude higher than 2000m(650 sales for more information, therwise the OLP point is not w r on to recovery for the H/M/L-ty intial installations.	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 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods piplete installation, to the mains.					

M , L type : RCM is on a voluntary basis and meets relevant IEC or AS/N/CS standards complying with AS/N/CS 4417.1
14. It may has an over-shoot status at output current when AC On/Off operate with lower VI and lower loading conditions.
15. If you need the NOM (Mexico) certificate, Please contact MEAN WELL sales representative for details.
16. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
17. Please refer to "DRIVING METHODS OF LED MODULE".

X Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

312W Constant Voltage LED Driver

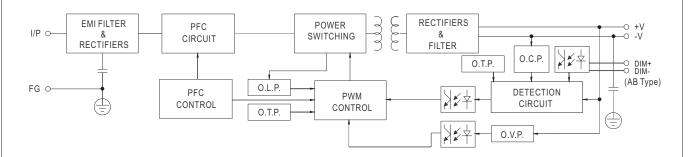
SPECIFICATION

		XLG-320-48-ABV					
	RATED CURRENT	6.5A					
OUTPUT	RATED POWER (Max.)	312W					
	DC VOLTAGE	48V(Adjustable 43.2~52.8V)					
	RIPPLE & NOISE(max.)	250mVp-p					
OUTPUT	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					
	VOLTAGE RANGE Note.2	100 ~ 305VAC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	$PF \ge 0.98 / 115 VAC, PF \ge 0.95 / 230 VAC, PF \ge 0.92 / 277 VAC \text{ at full load}$					
INPUT							
	TOTAL HARMONIC DISTORTION	THD<10% @ load ≥ 50% at 115VAC/230VAC, THD<15% @Load>75% at 277VAC;					
	EFFICIENCY (Typ.)	93.5%					
	AC CURRENT (Typ.)	3A / 120VAC					
	INRUSH CURRENT(Typ.)	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					
	CIRCUIT BREAKER						
	LEAKAGE CURRENT	<0.75mA / 277VAC					
		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					
ROTECTION	OVER TEMPERATURE Note.10	Shut down output voltage, re-power on	to recovery				
	OVER LOAD	105~135%					
	OVERLOAD	Hiccup 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°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
NVIRONMENT	STORAGE TEMP., HUMIDITY	-20 ~ +80°C, 10 ~ 95% RH non-conder	nsing				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)					
	VIBRATION	, ,	for 70min each along X V 7 aves				
	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;					
		LCB10510 1 CB10510 11-EAC TD TC	004: ID67 approved	dependent, be EN/EN02304,			
		GB19510.1, GB19510.14;EAC TP TC	* ***	dependent, bo En/Enozoo+,			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC	O/P-FG:1.5KVAC	nappliatili, 30 EN			
	WITHSTAND VOLTAGE ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms	O/P-FG:1.5KVAC / 500VDC / 25℃/ 70% RH				
		I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter	O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard	Test Level / Note			
	ISOLATION RESISTANCE	I/P-O/P:3.75KVAC I/P-FG:2KVAC I/P-O/P, I/P-FG, O/P-FG:100M Ohms Parameter Conducted	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15) ,GB/T17743	Test Level / Note			
		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	O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743	Test Level / Note			
SAFETY &	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1	Test Level / Note Class C @load≥50%			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743	Test Level / Note			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC / 500VDC / 25°C/ 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1	Test Level / Note Class C @load≥50%			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard	Test Level / Note Class C @load≥50% Test Level / Note			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	ISOLATION RESISTANCE	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	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	EMC EMISSION	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	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	EMC EMISSION	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	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	EMC EMISSION	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	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 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			
	EMC EMISSION	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	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 >95% dip 0.5 periods, 30% dip 25 periods,			
	EMC EMISSION	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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			
	EMC EMISSION	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	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 >95% dip 0.5 periods, 30% dip 25 periods,			
ЕМС	EMC EMISSION EMC IMMUNITY	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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 >95% dip 0.5 periods, 30% dip 25 periods,			
ЕМС	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	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	O/P-FG:1.5KVAC /500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 BS EN/EN61000-4-11	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 >95% dip 0.5 periods, 30% dip 25 periods,			
SAFETY & EMC OTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially mention 2. De-rating may be needed under low in 3. The driver is considered as a compon- the final equipment manufacturers mu 4. This series meets the typical life expec- 5. To lease refer to the warranty statement 7. The ambient temperature derating of 7. The ambient temperature derating of	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 ed are measured at 230VAC input, rated curput voltages. Please refer to "STATIC CHAE" ent that will be operated in combination with ist re-qualify EMC Directive on the complete itancy 50,000 hours of operation when Tae regystation for lighting fixture, this LED drive to MEAN WELL's website at http://www.me	O/P-FG:1.5KVAC / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-1 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11 Ellicore); 168.1 K hrs min. MIL-HDBK-217F (25°C) rent and 25°C of ambient temperature. MCTERISTIC" sections for details. final equipment. Since EMC performance will be affected by the constallation again. see, particularly @ point (or TMP, per DLC), is 75°C or less. r can only be used behind a switch without permanently connecte nameell.com 1000m with fan models for operating altitude higher than 2000m(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 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			



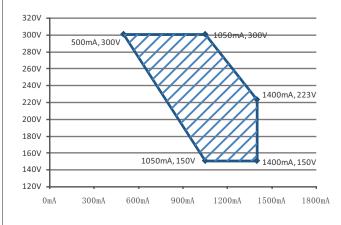


PFC fosc : 45KHz PWM fosc : 100KHz

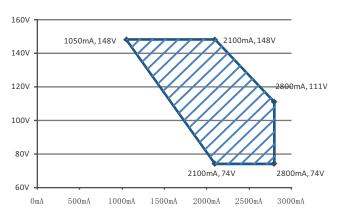


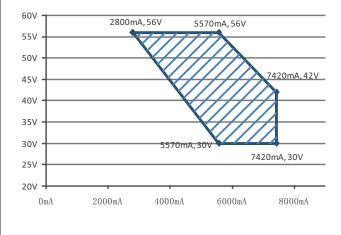
■ DRIVING METHODS OF LED MODULE

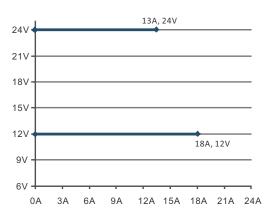
XLG-320-L



XLG-320-M



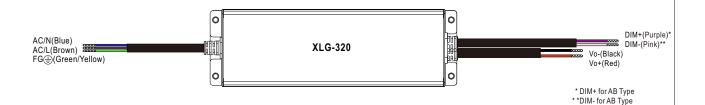




🔆 V type output voltage adjustable via biult-in potentiometer

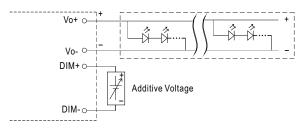


■ DIMMING OPERATION



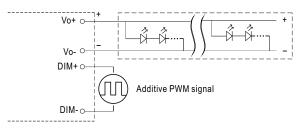
※ 3 in 1 dimming function (for AB-Type)

- 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.)



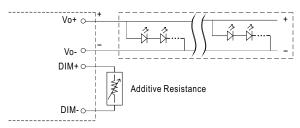
"DO NOT connect "DIM- to Vo-"

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

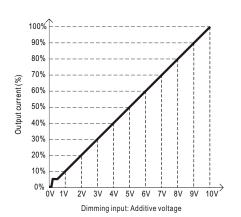


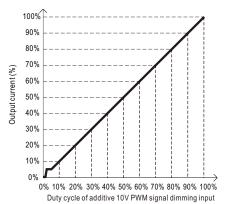
"DO NOT connect "DIM- to Vo-"

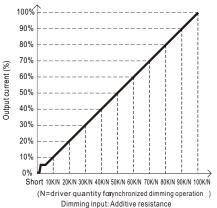
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





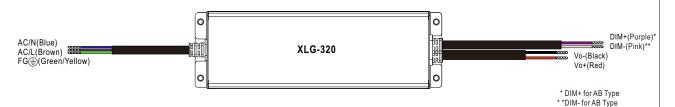


Note : 1. Min. dimming level is about 8% and the output current is not defined when 0% lout <8%

- 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

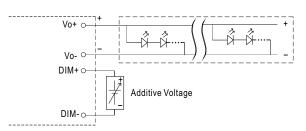


■ DIMMING OPERATION



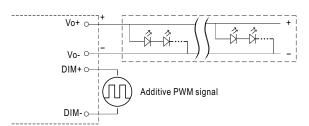
※ 3 in 1 dimming function (for ABV-Type)

- 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



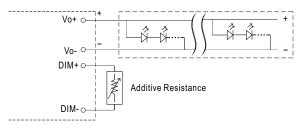
"DO NOT connect "DIM- to Vo-"

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

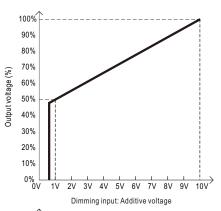


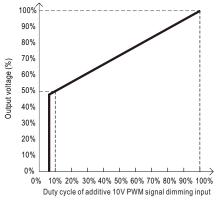
"DO NOT connect "DIM- to Vo-"

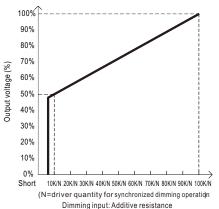
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"





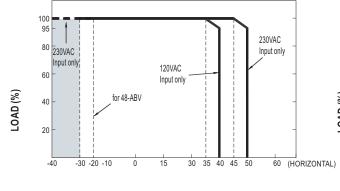


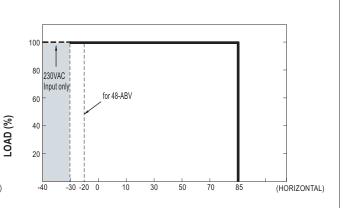
Note: 1. Min. dimming level is about 50% of output voltage and the output voltage is not defined when Vout < 50%

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.



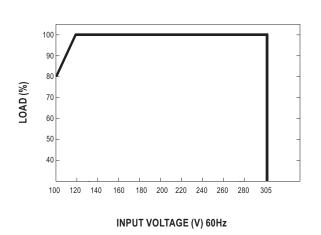
■ OUTPUT LOAD vs TEMPERATURE





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

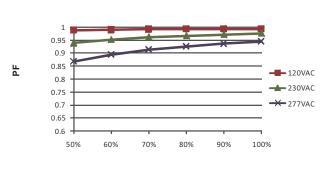
■ STATIC CHARACTERISTIC



■ POWER FACTOR (PF) CHARACTERISTIC

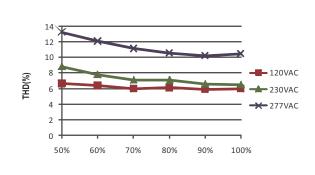
★ Tcase at 85°C

Constant Current Mode



■ TOTAL HARMONIC DISTORTION (THD)



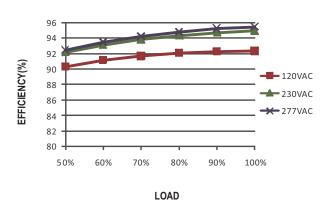


■ EFFICIENCY vs LOAD

 $\rm XLG\text{-}320$ series possess superior working efficiency that up to 94.5% can be reached in field applications.

LOAD

% XLG-320-L Model, Tcase at 85 $^{\circ}$ C



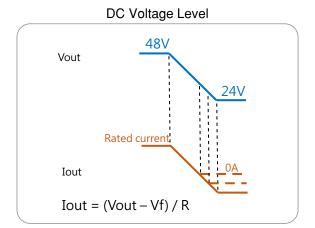


■ CONSTANT VOLTAGE DIMMING OPERATION:

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

