



Features

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

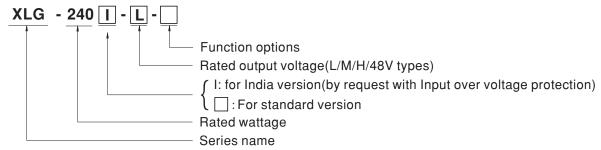
Applications

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

Description

XLG-240 series is a 240W LED AC/DC driver featuring the constant power mode. XLG-240 operates from 100~305 VAC and offers models with different rated current ranging between 700 mA and 6.66A. Thanks to the high efficiency up to 93%, with the fanless design, the entire series is able to operate for -40°C ~+90°C case temperature under free air convection . The design of metal housing and IP67 ingress protection level allows this series to fit both indoor and outdoor applications. Moreover the innovative environment-adaptive capability allows this series to reliably light on the LEDs for all kinds of application environments in almost any spots that may install LED luminaires in the world. XLG-240 is designed with the latest version of IEC61347/GB7000.1-2015 and UL8750 international safety regulations. The output and dimming circuit are also completely in accordance with the new regulations with isolation to ensure the user and luminaire system safety durng installation.

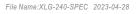
Model Encoding



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

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

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















SPECIFICATION

MODEL		XLG-240L	XLG-240 -M-	XLG-240 -H-			
	RATED CURRENT (Default)	700mA	1400mA	4900mA			
	RATED POWER	239.4W	239.4W	239.6W			
	CONSTANT CURRENT REGION Note.2	178~ 342V		27 ~ 56V			
	FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	4280~6660mA			
OUTPUT	OPEN CIRCUIT VOLTAGE (max.)	370V	186V	60V			
	,	Adjustable for A/AB-Type only (via t	he built-in potentiometer)				
	CURRENT ADJ. RANGE	350~1050mA		2400~6660mA			
	CURRENT RIPPLE	5.0%(@ Load≥50% rated voltage	ge)				
	CURRENT TOLERANCE	±4%	5 - 7				
	SET UP TIME Note.6						
	OLI OI TIME NOC.5	100 ~ 305VAC 142 ~ 431VDC					
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" and " DRIVING METHODS OF LED MODULE"section)					
	FREQUENCY RANGE	47 ~ 63Hz					
		PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load					
	POWER FACTOR (Typ.)	PF \(\leq 0.97 / T15VAC, PF \(\geq 0.95 / 230VAC, PF \(\geq 0.92 / 277VAC \) at full load (Please refer to "Power Factor Characteristic" section)					
		THD<10% (@ load≥50% at 115VAC/230VAC, @load≥75% at 277VAC)					
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC DISTORTION (THD)" section					
INPUT	EFFICIENCY (Typ.)	93% 92.5% 91%					
	AC CURRENT (Typ.)	2.7A / 115VAC 1.3A / 230VAC	1.1A / 277VAC	0170			
	INRUSH CURRENT(Typ.)						
	MAX. NO. of PSUs on 16A	COLD START 85A(twidth=500µs measured at 50% lpeak) at 230VAC; Per NEMA 410					
	CIRCUIT BREAKER	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC					
	LEAKAGE CURRENT	<0.75mA / 277VAC					
		SULTAINE LATE VAL					
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for AB-Type(Dimming OFF)(for standard version)					
	SHORT CIRCUIT	<u>'</u>	niting, recovers automatically after fault condition is				
	OVER VOLTAGE	380 ~ 450V		61 ~ 85V			
PROTECTION	OVER VOLINGE	Shut down output voltage, re-power	*				
	INPUT OVER VOLTAGE Note.7	320 ~ 390VAC (Shut down output when the input exceeds protection voltage, recovers automatically after fault condition is removed)					
	OVER TEMPERATURE	Can survive input voltage stress of 440Vac for 48 hours @ tc 75°C max					
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover Tcase=-40 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)					
	WORKING TEMP.	,	"OUTPUT LOAD VS TEMPERATURE" Section)				
	MAX. CASE TEMP.	Tcase=+90°C					
ENVIDONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT		10 000- 10 050/ 511					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-con	densing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)	·				
ENVIRONMENT	STORAGE TEMP., HUMIDITY	$\pm 0.03\%$ /°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri	od for 72min. each along X, Y, Z axes	347-2-13 independent RS FN/FN62384			
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No.	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29),KC613 ank type); IP67 approved				
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl:	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved COOP-FG:1.5KVAC				
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl: I/P-O/P:3.75KVAC I/P-FG:2KVA	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved COOP-FG:1.5KVAC				
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-0/P:3.75KVAC I/P-FG:2KV/4 I/P-0/P, I/P-FG, O/P-FG:100M Oh	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved IC O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH	347-1,KC61347-2-13,IS15885(Part2/Sec13			
ENVIRONMENT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved ac O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard	347-1,KC61347-2-13,IS15885(Part2/Sec13 Test Level / Note			
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl: I/P-O/P:3.75KVAC I/P-FG:2KVA I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved ac O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743	347-1,KC61347-2-13,IS15885(Part2/Sec13 Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl. 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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CC O/P-FG:1.5KVAC ms / 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	347-1,KC61347-2-13,IS15885(Part2/Sec13 Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl. 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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CO/P-FG:1.5KVAC ms/500VDC/25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743	347-1,KC61347-2-13,IS15885(Part2/Sec13 Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KV/ I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CC O/P-FG:1.5KVAC ms / 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	347-1,KC61347-2-13,IS15885(Part2/Sec13 Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KV// I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN561000-3-2, GB/T17625.1 BS EN/EN61000-3-3	Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/IP-O/P:3.75KVAC I/IP-FG:2KV/I I/IP-O/P, I/IP-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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	Test Level / Note Class C @load≥50% Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KV/A I/P-O/P, I/P-FG, O/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/500VDC/25°C/70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN561000-3-2, GB/T17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	Test Level / Note Class C @load≥50% Test Level / Note			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:20V/A 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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bl: I/P-O/P:3.75KVAC I/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms / 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 3			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:100M Oh Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CC O/P-FG:1.5KVAC ms/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(6K/10K option)			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:20V/P 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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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/EN61000-3-2 Standard BS EN/EN61000-4-2 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	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(6K/10K option) Level 2 Level 4			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KV/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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J61347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CC O/P-FG:1.5KVAC ms/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/EN61000-4-2 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(6K/10K option) Level 2			
SAFETY &	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:20V/P 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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved (C O/P-FG:1.5KVAC ms/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/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods			
SAFETY & EMC Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/IP-O/P:3.75KVAC I/IP-FG:2KV/I I/IP-O/P, I/IP-FG, O/IP-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	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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/EN61000-4-2 BS EN/EN61000-4-5 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/EN61000-4-11	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period>95% interruptions 250 periods			
SAFETY & MC Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bix I/P-O/P:3.75KVAC I/P-FG:2KV/Z 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 2496.2K hrs min. Telcordia SR-3	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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/EN61000-4-2 BS EN/EN61000-4-5 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/EN61000-4-11	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period>95% interruptions 250 periods			
SAFETY & EMC Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mentity	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bir I/P-O/P:3.75KVAC I/P-FG:2KV/F 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 2496.2K hrs min. Telcordia SR-3 219*63*35.5mm (L*W*H) 1Kg;15pcs / 16Kg / 0.8CUFT oned are measured at 230VAC input, rated	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved AC O/P-FG:1.5KVAC ms/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/EN61000-3-2 BS EN/EN61000-4-2 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/EN61000-4-8 BS EN/EN61000-4-11 32(Bellcore); 219.8K hrs min. MIL-HDBK-2	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods			
SAFETY & EMC Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially menti 2. Please refer to "DRIVING METHOL	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/IP-O/P:3.75KVAC I/IP-FG:2KV/I I/IP-O/P, I/IP-FG, O/IP-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 2496.2K hrs min. Telcordia SR-3 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT oned are measured at 230VAC input, rated os of LED MODULE*.	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved (C O/P-FG:1.5KVAC ms / 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/EN61000-4-2 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-11 32(Bellcore); 219.8K hrs min. MIL-HDBK-2	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period>95% interruptions 250 periods			
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SAFETY & EMC Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially mentically mentically and parameters includes set up tolerance. Successive of the control of	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi: I/P-O/P:3.75KVAC I/P-FG:2KV/I 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 2496.2K hrs min. Telcordia SR-3 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT oned are measured at 230VAC input, rated is SOF LED MODULE*. MHz of bandwidth by using a 12" twisted paie, line regulation and load regulation. winput voltages. Please refer to "STATIC Childriver IC into protection status. st first cold start. Turning ON/OFF the driver is without UL/CSA certificate.	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; Js1347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved (C O/P-FG:1.5KVAC ms / 500VDC / 25°C / 70% RH Standard BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN55015(CISPR15), GB/T17743 BS EN/EN65015(CISPR15), GB/T17743 BS EN/EN61000-3-2, GB/T17625.1 BS EN/EN61000-3-2 BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-11 32(Bellcore); 219.8K hrs min. MIL-HDBK-2 current and 25°C of ambient temperature. r-wire terminated with a 0.1uf & 47uf parallel capacitor. HARACTERISTIC* sections for details. If continually operate w may lead to increase of the set up time	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods			
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SAFETY & EMC (Note 8)	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT specially menticles and special spec	±0.03%/°C (0 ~ 60°C) 10 ~ 500Hz, 5G 12min./1cycle, peri UL8750(type"HL"), CSA C22.2 No. GB19510.1, GB19510.14; EAC TP NOM-058-SCFI-2017(except for Bi. I/P-O/P:3.75KVAC I/P-FG:2KV/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 2496.2K hrs min. Telcordia SR-3 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT oned are measured at 230VAC input, rated is SOF LED MODULE*. White object in the production of the driver is without UL/CSA certificate. onent that will be operated in combination wiment manufacturers must re-qualify EMC Disectancy of 50.00 ohours of operation whenent on MEAN WELL's website at http://www.enent on MEAN WELL's websit	od for 72min. each along X, Y, Z axes 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61 TC 004; J81347-1(H29), J61347-2-13(H29), KC613 ank type); IP67 approved CC O/P-FG:1.5KVAC ms/50VDC/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/EN61000-4-4 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-1 32(Bellcore); 219.8K hrs min. MIL-HDBK-2 current and 25°C of ambient temperature. **Previre terminated with a 0.1uf & 47uf parallel capacitor.** **ARACTERISTIC** sections for details. If continually operate we may lead to increase of the set up time th final equipment. Since EMC performance will be affected to ective on the complete installation again. **Tocase, particularly @ point (or TMP, per DLC), is about 75 curreanwell.com thinal equipment. Since EMC performance will be affected to ective on the complete installation again. **Tocase, particularly @ point (or TMP, per DLC), is about 75 curreanwell.com with an models for operating altitude higher than control gear is not suitable for residential installations. **Standards complying with AS/NZS 4417.1.** KC logo. Please contact your MEAN WELL sales for more in	Test Level / Note 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(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods on the content of the conte			
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SPECIFICATION

MODEL		XLG-240-48-ABV				
	RATED CURRENT	5A				
	RATED POWER(Max.)	240W				
	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%				
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC				
	VOLTAGE RANGE	110 ~ 305VAC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	$PF \ge 0.97 / 115VAC, PF \ge 0.95 / 230VAC, PF \ge 0.92 / 277VAC$ at full load				
	TOTAL HARMONIC DISTORTION	THD<10% @ load≥50% at 115VAC/230VAC, @Load>75% at 277VAC;				
INPUT		91%				
	EFFICIENCY (Typ.)					
	AC CURRENT (Typ.)	2.7A/115VAC 1.3A/230VAC 1.1A/277VAC				
	INRUSH CURRENT(Typ.)	COLD START 85A(twidth=500µs measured at 50% lpeak) at 230VAC; Per NEMA 410				
	MAX. NO. of PSUs on 16A	2 unit(circuit breaker of type B) / 4 units(circuit breaker of type C) at 230VAC				
	CIRCUIT BREAKER					
	LEAKAGE CURRENT	<0.75mA / 277VAC				
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for AB	V/BV-Type(Dimming OFF)(for standard version)			
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed				
	OVERVOLTAGE	54~60V				
	OVER VOLTAGE	Shut down output voltage, re-power on to	recovery			
ROTECTION	OVER TEMPERATURE Note.10					
	T. Z. T. Z.	Shut down output voltage, re-power on to recover 105-135%				
	OVER LOAD		recovers automatically after fault condition is removed			
	WORKING TTO	Hiccup mode or Constant current limiting, recovers automatically after fault condition is removed				
	WORKING TEMP.	Tcase=-20 ~ +90°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)				
	MAX. CASE TEMP.	Tcase=+90℃				
NVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
NVIRONNENI	STORAGE TEMP., HUMIDITY	-20 ~ +80°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	±0.03%°C (0~60°C)				
	VIBRATION	, ,	72min, each along Y 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;				
	WITHOUT AND WOLTAGE	GB19510.1, GB19510.14;EAC TP TC 004; IP67 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5				
		Parameter	Standard P.O. F.N. F.N. F.N. F.N. F.N. F.N. F.N. F	Test Level / Note		
		Conducted	BS EN/EN55015(CISPR15) ,GB/T17743			
		Radiated	BS EN/EN55015(CISPR15),GB/T17743			
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2, GB/T17625.1	Class C @load≥50%		
	LING LINIGOIGN	Voltage Flicker	BS EN/EN61000-3-3			
SAFETY &		BS EN/EN61547				
EMC		Parameter	Standard	Test Level / Note		
	EMC IMMUNITY	ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact		
		Radiated	BS EN/EN61000-4-3	Level 2		
		EFT / Burst	BS EN/EN61000-4-3	Level 2		
		Surge	BS EN/EN61000-4-4	4KV/Line-Line 6KV/Line-Earth		
		•				
		Conducted	BS EN/EN61000-4-6	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		
	MTBF	2496.2K hrs min. Telcordia SR-332(Bellcore); 219.8K hrs min. MIL-HDBK-217F (25°ℂ)				
OTHERS	DIMENSION	219*63*35.5mm (L*W*H)				
	PACKING	1Kg;16pcs / 16Kg / 0.8CUFT				
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. 2. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details. 3. The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 4. This series meets the typical life expectancy >50,000 hours of operation when Tcase, particularly ® point (or TMP, per DLC), is 70°C or less. 5. To fulfill requirements of the latest EFP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains. 6. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 7. The ambient temperature derating of 3.5°C/1000m with faniless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 8. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf 9. Products sourced from the Americas regions may not have the ENEC/CCC/KC logo. Please contact your MEAN WELL sales for more information. 10. When the secondary OTP fails, there is also a primary OTP, which is protected by Shut down output voltage, re-power on to recovery. 11. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47uf parallel capacitor. 12. Please refer to "DRIVING METHODS OF LED MODULE". 13. 48 type: RCM is on a voluntary basis. Non IC classification Independent LED control gear is not suitable for residential installations. **Word Labelity Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx					

File Name:XLG-320-48-ABV-SPEC 2023-04-28



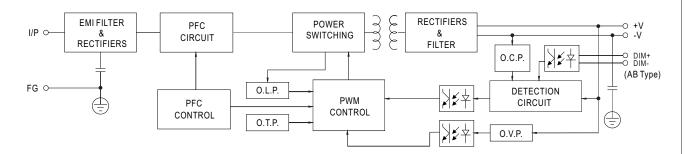






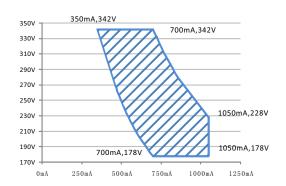


PFC fosc: 50~120KHz PWM fosc: 60~130KHz

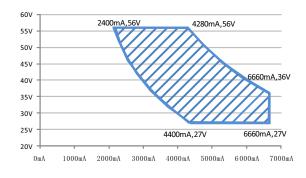


■ DRIVING METHODS OF LED MODULE

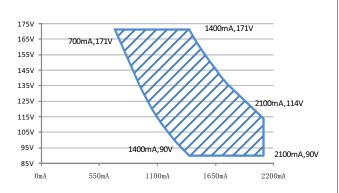
※ I-V Operating Area



Recommend Performance Region



Recommend Performance Region



Recommend Performance Region







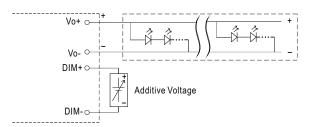


■ DIMMING OPERATION



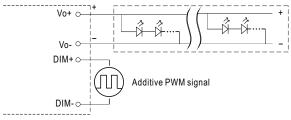
※ 3 in 1 dimming function (for AB-Type)

- Output constant current level can be adjusted by applying one of the three methodologies between DIM+ and DIM-:
 0 ~ 10VDC, or 10V PWM signal or resistance.
- Direct connecting to LEDs is suggested. It is not suitable to be used with additional drivers.
- Dimming source current from power supply: 100 μ A (typ.)
- O Applying additive 0 ~ 10VDC



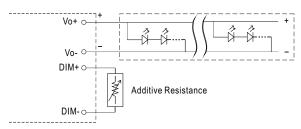
"DO NOT connect "DIM- to Vo-"

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

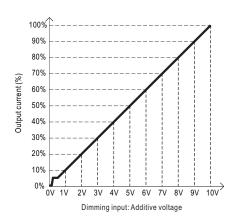


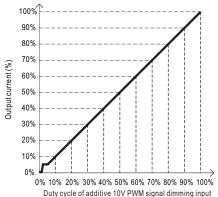
"DO NOT connect "DIM- to Vo-"

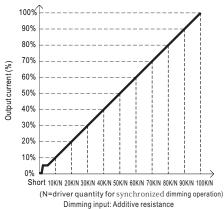
Applying additive resistance:



"DO NOT connect "DIM- to Vo-"







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

- 2. The output current could drop down to 0% when dimming input is about $0k\Omega$ 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.







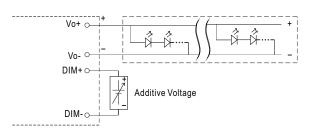


■ DIMMING OPERATION



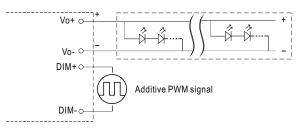
※ 3 in 1 dimming function (for ABV-Type)

- · 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: $100\mu A$ (typ.) \bigcirc Applying additive $0 \sim 10VDC$



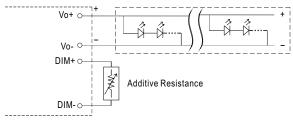
"DO NOT connect "DIM- to Vo-"

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

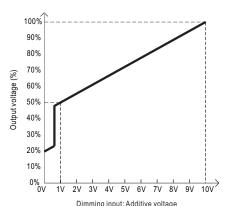


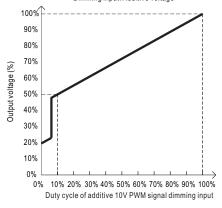
"DO NOT connect "DIM- to Vo-"

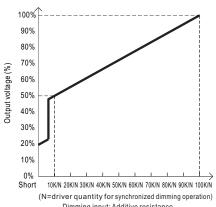
O Applying additive resistance:



"DO NOT connect "DIM- to Vo-"







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

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 230VAC 80 230VAC 80 230VAC 110VAC Input only Input only 60 for 48-ABV LOAD (%) LOAD (%) for 48-ABV 40 40 20 20 30 -40 -30 -20 -10 40 60 (HORIZONTAL) -40 -30 -20 0 10 30 (HORIZONTAL) Note: AMBIENT TEMPERATURE, Ta (°C) Tcase (°C) Note: 1.If XLG-240 operates in Constant Power mode with the rated current the maximum workable Ta is 50°C (Typ. 230VAC) or 40°C (Typ. 110VAC) 2.It may has a soft-start status when operation at -30 $^{\circ}\mathrm{C}$ full load and 110VAC input condition. **■ STATIC CHARACTERISTIC ■ POWER FACTOR (PF) CHARACTERISTIC** ★ Tcase at 75°C **Constant Current Mode** 100 90 0.98 80 0.96 0.94 70 0.92 ■ 115VAC LOAD (%) 60 0.9 <u></u> 230VAC 50 0.88 277VAC 0.86 40 0.84 70% 100 110 160 180 200 220 240 260 280 50% 60% 80% 90% 100% INPUT VOLTAGE (V) 60Hz LOAD ■ TOTAL HARMONIC DISTORTION (THD) **■** EFFICIENCY vs LOAD XLG-240 series possess superior working efficiency that up to 93% can be reached in field applications. ※ XLG-240-L Model, Tcase at 75° C ※ XLG-240-L Model, Tcase at 75°C 12 96 10 94 **EFFICIENCY(%)** 92 묻 -115VAC 6 90 -115VAC -230VAC 88 -230VAC -277VAC 86 O 84 50% 60% 70% 80% 90% 100% 60% 70% 80% 90% 100%

File Name:XLG-240-SPEC 2023-04-28







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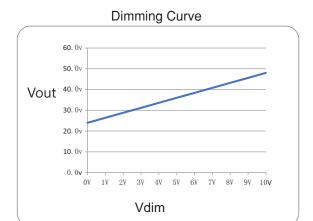
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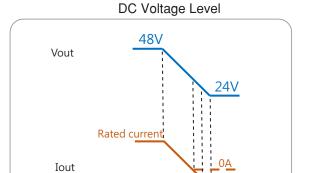


■ CONSTANT VOLTAGE DIMMING OPERATION:

48-ABV type

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

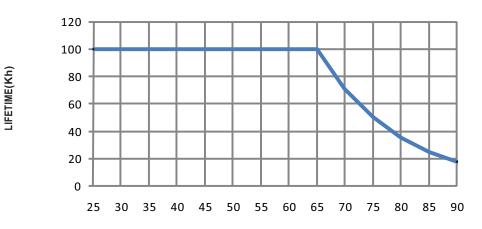




(Not a PWM style output)

Iout = (Vout - Vf) / R

■ LIFE TIME



Tcase(°℃)









