

• Type HL for use in class I, Division 2

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>

GTIN CODE

Description

XLG-240 series is a 240W LED AC/DC driver featuring the constant power mode. XLG-240 operates from 100~305VAC and offers models with different rated current ranging between 700mA 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/GB19510.1 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

XLG - 240 I - L -	
	- Function options
	Rated output voltage(L/M/H/48V types)
	\int I: for India version(by request with Input over voltage protection)
	\bigcup : For standard version
	Rated wattage
	Series name

Туре	Function	Note
Blank	Io and Vo fixed.(For harsh environment)	By request
А	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

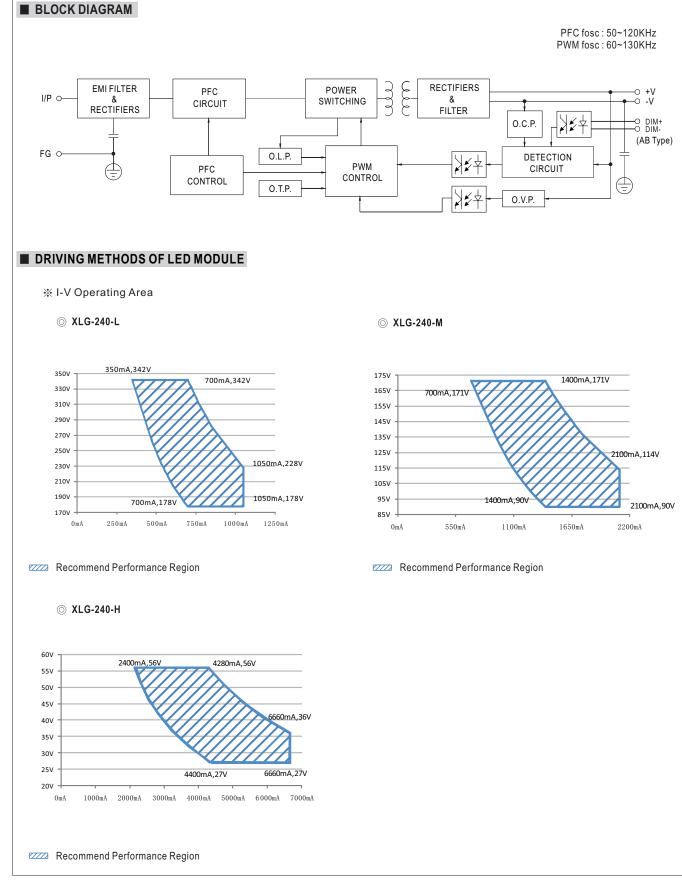
		XLG-240 -L-	XLG-240 -M-	XLG-240 -H-			
	RATED CURRENT (Default)	700mA	1400mA	4900mA			
	RATED POWER	239.4W	239.4W	239.6W			
	CONSTANT CURRENT REGION Note.2	178~ 342V	90~171V	27 ~ 56V			
	FULL POWER CURRENT RANGE	700~1050mA	1400~2100mA	4280~6660mA			
UTPUT	OPEN CIRCUIT VOLTAGE (max.)	370V	186V	60V			
		Adjustable for A/AB-Type only (via the built-in po	tentiometer)				
	CURRENT ADJ. RANGE	350~1050mA	700~2100mA	2400~6660mA			
	CURRENT RIPPLE	5.0%(@Load≥50% rated voltage)					
	CURRENT TOLERANCE	±4%					
	SET UP TIME Note.6	500ms/230VAC, 1200ms/115VAC					
	OLI OLI IMIL NOLE.O	100 ~ 305VAC 142 ~ 431VDC					
	VOLTAGE RANGE Note.5		nd " DRIVING METHODS OF LED MODUL E"sectio	(no			
	FREQUENCY RANGE	47 ~ 63Hz	(Please refer to "STATIC CHARACTERISTIC" and " DRIVING METHODS OF LED MODULE"section)				
	TREGOLIGITRANGE	4/ ~ 0302 PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, PF≥0.92 / 277VAC at full load					
	POWER FACTOR (Typ.)	(Please refer to "Power Factor Characteristic" sec					
		THD< 10% (@ load \geq 50% at 115VAC/230VAC	,				
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC DISTORTI					
				040/			
INPUT	EFFICIENCY (Typ.)	93%	92.5%	91%			
	AC CURRENT (Typ.)	2.7A / 115VAC 1.3A / 230VAC 1.1A / 2					
	INRUSH CURRENT(Typ.)	COLD START 85A(twidth=500µs 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 b	reaker of type C) at 230VAC				
	CIRCUIT BREAKER						
	LEAKAGE CURRENT	<0.75mA / 277VAC					
	STANDBY	Standby nowor concumption -0. FIM for AD					
	POWER CONSUMPTION		-Type(Dimming OFF)(for standard version)				
	SHORT CIRCUIT	Hiccup mode or constant current limiting, recove	rs automatically after fault condition is removed				
		380 ~ 450V	190~ 240V	61 ~ 85V			
	OVER VOLTAGE	Shut down output voltage, re-power on to recover		1			
PROTECTION			eeds protection voltage, recovers automatically after fa	ult condition is removed)			
	INPUT OVER VOLTAGE Note.7	Can survive input voltage stress of 440Vac for 48					
	OVER TEMPERATURE	Shut down output voltage, re-power on to reco					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LC					
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY						
NVIRONMENT	STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	•					
		$\pm 0.03\%$ /°C (0 ~ 60°C)	acch along V V Z				
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min	-				
	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; GB19510.1, GB19510.14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29),KC61347-1,KC61347-2-13,IS15885(Part2/Sec13); NOM-058-SCFI-2017(except for Blank type); IP67 approved					
	WITHSTAND VOLTAGE	I/P-0/P:3.75KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC					
	ISOLATION DECISTANCE						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD0		Tost Loval / Nata			
	ISOLATION RESISTANCE	Parameter	Standard	Test Level / Note			
		Parameter Conducted	Standard BS EN/EN55015(CISPR15),GB/T 17743				
	ISOLATION RESISTANCE	Parameter Conducted Radiated	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	 			
AFETY &		Parameter Conducted Radiated Harmonic Current	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1	 Class C @load≥50%			
		Parameter Conducted Radiated Harmonic Current Voltage Flicker	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743	 			
EMC		Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3	 Class C @load≥50% 			
EMC		Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard	 Class C @load≥50% Test Level / Note			
МС		Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact			
МС		Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
МС	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact			
ЕМС		Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2			
ЕМС	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3			
МС	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	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)			
MC	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
ЕМС	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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			
ЕМС	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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,			
EMC Note 8)	EMC EMISSION	Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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,			
EMC Note 8)	EMC EMISSION EMC IMMUNITY MTBF	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-332(Bellcore)	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11	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,			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially n	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg:16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated currentioned are measured at 230VAC input, rate	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C)	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially m 2. Please refer to "DRIVING MET	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur HODS OF LED MODULE*.	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C)	Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially m 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur HODS OF LED MODULE". 120MHz of bandwidth by using a 12" twisted pair-wrance, line regulation and load regulation.	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C) rrent and 25°C of ambient temperature. rire terminated with a 0.1uf & 47uf parallel capacitor	Class C @load≥50% 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, >95% interruptions 250 periods			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially rr 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole 5. De-rating may be needed unde	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. 24963*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur HODS OF LED MODULE". t 20MHz of bandwidth by using a 12" twisted pair-wrance, line regulation and load regulation.r r low input voltages. Please refer to "STATIC CHAF	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C) rrent and 25°C of ambient temperature. rire terminated with a 0.1uf & 47uf parallel capacitor	Class C @load≥50% 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, >95% interruptions 250 periods			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially m 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole 5. De-rating may be needed unde in short time, it may causes Pl 6. Length of set up time is measu	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur HODS OF LED MODULE". 120MHz of bandwidth by using a 12" twisted pair-wrance, line regulation and load regulation. row input voltages. Please refer to "STATIC CHAF WM driver IC into protection status. red at first cold start. Turning ON/OFF the driver marked at Interverence interv	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C) Trent and 25°C of ambient temperature. irre terminated with a 0.1uf & 47uf parallel capacite ACTERISTIC" sections for details.lf continually optimized with a 0.1uf & 1000 - 10000 - 10000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 10	Class C @load≥50% 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, >95% interruptions 250 periods			
EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially n 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole 5. De-rating may be needed unde in short time , it may causes PI 6. Length of set up time is measur 7. Only for XLG-2401 series, and 1 7. Only for XLG-2401 series, and 1	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur HODS OF LeD MODULE*. t 20MHz of bandwidth by using a 12" twisted pair-w rance, line regulation.ar load regulation. r low input voltages. Please refer to "STATIC CHAF WM driver IC into protection status. red at first cold start. Turning ON/OFF the driver masseries without UL/CSA certificate.	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C) rent and 25°C of ambient temperature. irre terminated with a 0.1uf & 47uf parallel capacitor RACTERISTIC" sections for details.If continually or ay lead to increase of the set up time	Class C @load≥50% 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, >95% interruptions 250 periods or. perate with AC on/off			
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EMC Note 8) DTHERS	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially m 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole 5. De-rating may be needed unde in short time, it may causes P 6. Length of set up time is measur 7. Only for XLG-240 I series, and I 8. The driver is considered as a co complete installation, the final e (as available on https://www.m 9. This series meets the typical lift 10. Please refer to the warranty si 11. To fulfill requirements of the la	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg:16pcs / 16Kg / 0.8CUFT rentioned are measured at 230VAC input, rated cur VODS OF LED MODULE*. rlow first cold start. Turring ON/OFF the driver maseries without UL/CSA certificate. Sumponent that will be operated in combination with squipment manufacturers must re-qualify EMC Dire and Parket MC Dire and Parket MC Dire perstent in combination with squipment manufacturers must re-qualify EMC Dire and Parket MC Dire expectancy of >50,000 hours of operation when Tatement on MEAN WELL's website at http://www.n	Standard BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN55015(CISPR15), GB/T 17743 BS EN/EN61000-3-2, GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. MIL-HDBK-217F (25°C) rent and 25°C of ambient temperature. rent and 25°C of ambient temperature. dire terminated with a 0.1uf & 47uf parallel capacitor ACTERISTIC* sections for details. If continually of ay lead to increase of the set up time final equipment. Since EMC performance will be a ctive on the complete installation again. Case, particularly (② point (or TMP, per DLC), is a neanwell.com yer can only be used behind a switch without perm	Class C @load≥50% Class C @load≥50% Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 3, 8KV air ; Level 2, 4KV contact Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 2 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods or. perate with AC on/off ffected by the bout 75℃ or less. tanently connected to the mains.			
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SAFETY & EMC (Note 8) DTHERS NOTE	EMC EMISSION EMC IMMUNITY EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially m 2. Please refer to "DRIVING MET 3. Ripple & noise are measured a 4. Tolerance : includes set up tole 5. De-rating may be needed under in short time, it may causes PI 6. Length of set up time is measured 4. Tolerance : includes set up tole 5. De-rating may be needed under in short time, it may causes PI 6. Length of set up time is measured 7. Only for XLG-240 I series, and I 8. The driver is considered as a cc complete installation, the final e (as available on https://www.me 9. This series meets the typical lift 10. Please refer to the warranty st 11. To fulfill requirements of the la 12. The ambient temperature derer 13. H type:RCM is on a voluntary M_L type:RCM is on a voluntary M_L type:RCM is on a voluntary	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-332(Bellcore) 219*63*35.5mm (L*W*H) 1Kg;16pcs / 16Kg / 0.8CUFT rence, line regulation and load regulation. row input voltages. Please refer to "STATIC CHAF WM driver IC into protection status. red at first cold start. Turning ON/OFF the driver rm series without UL/CSA certificate. omponent that will be operated in combination with equipment manufacturers must re-qualify EMC Dire aanwell.com/Upload/PDF/EM_statement_en.pdf) tatement on MEAN WELL's website at http://www.nt test ErP regulation for lighting fixtures, this LED dri tatement on MEAN WELL's website at http://www.nt esricas regions may not have the CC/PSE/BIS/KC	Standard BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN55015(CISPR15),GB/T 17743 BS EN/EN61000-3-2,GB17625.1 BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 219.8K hrs min. mil-HDBK-217F (25°C)	Class C @load≥50% 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, >95% interruptions 250 periods or. berate with AC on/off affected by the bout 75°C or less. harently connected to the mains. her than 2000m(6500ft).			
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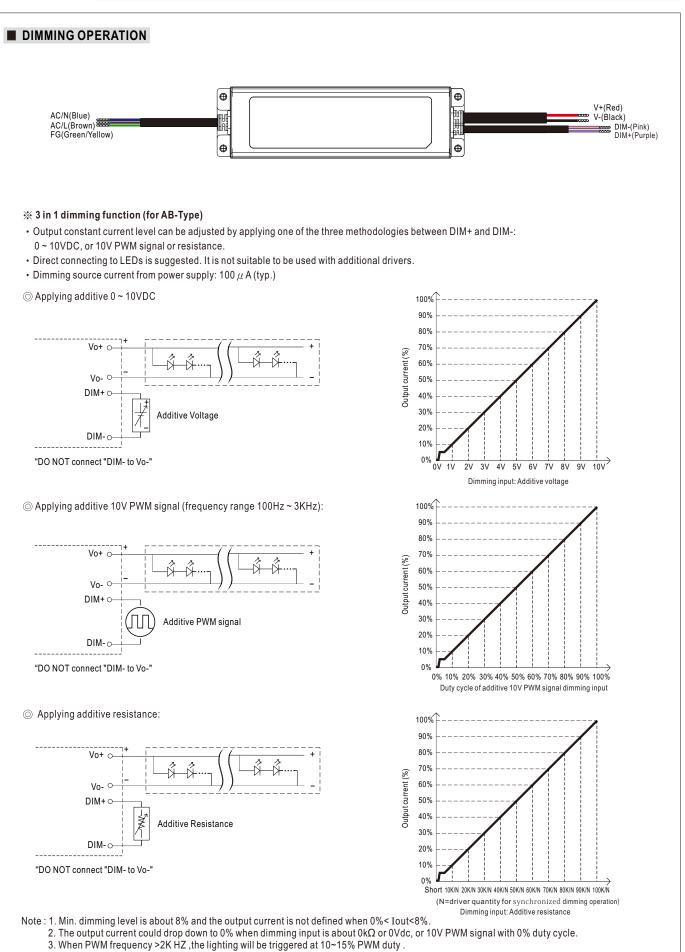
SPECIFICATION

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	<u>土2.0%</u> 土0.5%					
	LINE REGULATION	$\pm 0.5\%$					
	DIMMING TOLERANCE	±4%					
	SET UP TIME Note.9	500ms/230VAC, 1200ms/115VAC					
	VOLTAGE RANGE	,					
	FREQUENCY RANGE	110 ~ 305VAC 156VDC ~ 431VDC 47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF≥0.97 / 115VAC, PF≥0.95 / 230VAC, P	F≥0.92 / 277VAC at full load				
	TOTAL HARMONIC DISTORTION	$PP \ge 0.377115VAC, PP \ge 0.357230VAC, PP \ge 0.927217VAC at 1011000THD < 10% @ load \ge 50% at 115VAC/230VAC, @Load >75% at 277VAC;$					
INPUT	EFFICIENCY (Typ.)	11D< 10% @ 1080≥50% at 115VAC/230VAC, @L080>75% at 277VAC; 91%					
INPUT	AC CURRENT (Typ.)	91% 2.7A/115VAC 1.3A/230VAC 1.1A/277VAC					
	INRUSH CURRENT(Typ.)	COLD START 85A(twidth=500µs measured at					
	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 CONSUMPTIO		/BV-Type(Dimming OFF)(for standard version)				
	SHORT CIRCUIT		covers automatically after fault condition is removed				
	SHORT CIRCUIT		covers automatically after fault condition is removed				
	OVER VOLTAGE	Shut down output voltage, re-power on to re-	COVELV				
OTECTION	OVER TEMPERATURE Note.1						
	OVER TEMPERATURE Note.1	105~135%	recover				
	OVER LOAD		covers automatically after fault condition is removed				
			•				
	WORKING TEMP.	Tcase=-20 ~ +90°C (Please refer to "OUTPU	I LOAD VS TEMPERATORE Section)				
	MAX. CASE TEMP.	Tcase=+90℃					
IVIRONMENT		20 ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-20 ~ +80°C, 10 ~ 95% RH non-condensing	-20 ~ +80°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72	2min. 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;				
	SAFETT STANDARDS	IS15885(Part2/Sec13)(Note 14), GB19510.1, GB19510.14;EAC TP TC 004; IP67 approved					
	WITHSTAND VOLTAGE	I/P-0/P:3.75KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500	VDC / 25°C / 70% RH				
		Parameter	Standard	Test Level / Note			
		Conducted	BS EN/EN55015(CISPR15),GB/T 17743				
	EMC EMISSION	Radiated	BS EN/EN55015(CISPR15),GB/T 17743				
		Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3				
SAFETY &		BS EN/EN61547					
EMC		Parameter	Standard	Test Level / Note			
		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/EN61000-4-4	Level 3			
	EMC IMMUNITY	Surge	BS EN/EN61000-4-5	4KV/Line-Line 6KV/Line-Earth			
		Conducted	BS EN/EN61000-4-6	Level 2			
		Magnetic Field	BS EN/EN61000-4-8	Level 4			
				>95% dip 0.5 periods, 30% dip 25 periods,			
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% interruptions 250 periods			
	MTBF	2496.2K hrs min. Telcordia SR-332(Bello	core); 219.8K hrs min. MIL-HDBK-217F (25°	C)			
OTHERS	DIMENSION	219*63*35.5mm (L*W*H)					
E.	PACKING	1Kg;16pcs / 16Kg / 0.8CUFT					
		nentioned are measured at 230VAC input, rated current and 25° C of ambient temperature.					
0.75			IC CHARACTERISTIC" sections for details.				
OTE		component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation,					
	the final equipment manufactu	facturers must re-qualify EMC Directive on the complete installation again.					
		/www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)					
		eries meets the typical life expectancy >50,000 hours of operation when Tcase, particularly (point (or TMP, per DLC), is 70°C or less.					
	 To fulfill requirements of the latest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains. 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 fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).						
	7. The ambient temperature dera	 8. For any application note and IP water proof function installation caution, please refer our user manual before using. 					
		P water proof function installation caution. p	https://www.meanwell.com/Upload/PDF/LED_EN.pdf				
	8. For any application note and If						
	 For any application note and If https://www.meanwell.com/Up Products sourced from the Am 	load/PDF/LED_EN.pdf hericas regions may not have the ENEC/CC	C/KC logo. Please contact your MEAN WELL sale				
	 For any application note and II https://www.meanwell.com/Up Products sourced from the Am 10. When the secondary OTP fai 	bload/PDF/LED_EN.pdf hericas regions may not have the ENEC/CC ils, there is also a primary OTP, which is pro	tected by Shut down output voltage, re-power on	to recovery.			
	 For any application note and II https://www.meanwell.com/Up Products sourced from the Am 10. When the secondary OTP fai 11. Ripple & noise are measured 	bload/PDF/LED_EN.pdf hericas regions may not have the ENEC/CC ils, there is also a primary OTP, which is pro I at 20MHz of bandwidth by using a 12" twis		to recovery.			
	 For any application note and II https://www.meanwell.com/Up Products sourced from the Am When the secondary OTP fai Ripple & noise are measured Please refer to "DRIVING ME 	bload/PDF/LED_EN.pdf hericas regions may not have the ENEC/CC ils, there is also a primary OTP, which is pro d at 20MHz of bandwidth by using a 12" twis ETHODS OF LED MODULE".	tected by Shut down output voltage, re-power on ted pair-wire terminated with a 0.1uf & 47uf parall	to recovery. el capacitor.			
	 For any application note and II https://www.meanwell.com/Up Products sourced from the Am When the secondary OTP fai Ripple & noise are measured Please refer to "DRIVING ME 48 type:RCM is on a voluntar 	Noad/PDF/LED_EN.pdf hericas regions may not have the ENEC/CC ils, there is also a primary OTP, which is pro d at 20MHz of bandwidth by using a 12" twis ETHODS OF LED MODULE". ry basis. Non IC classification Independent I	tected by Shut down output voltage, re-power on ted pair-wire terminated with a 0.1uf & 47uf parall LED control gear is not suitable for residential inst	to recovery. el capacitor. allations.			
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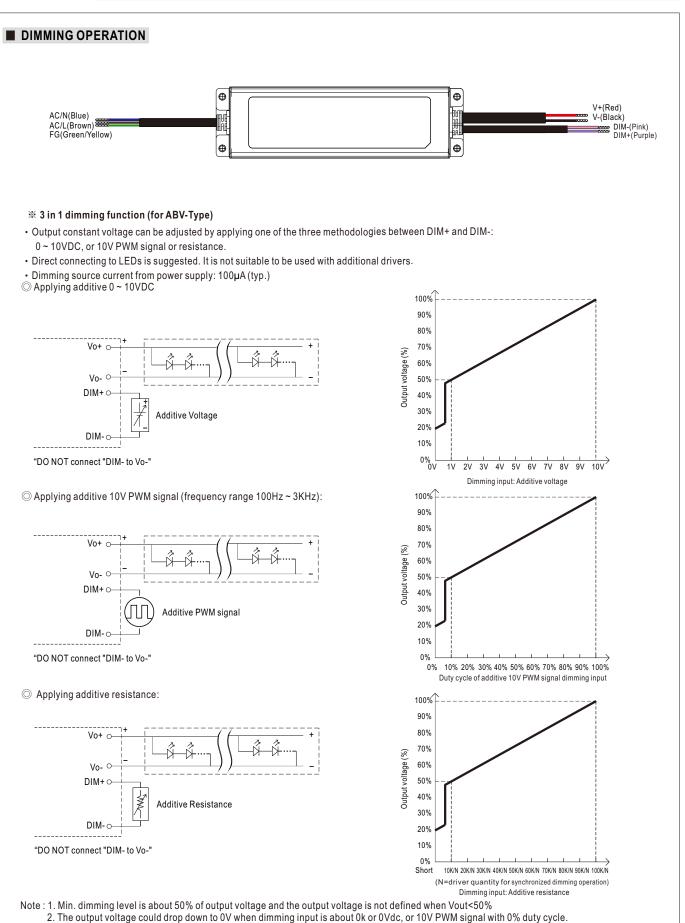




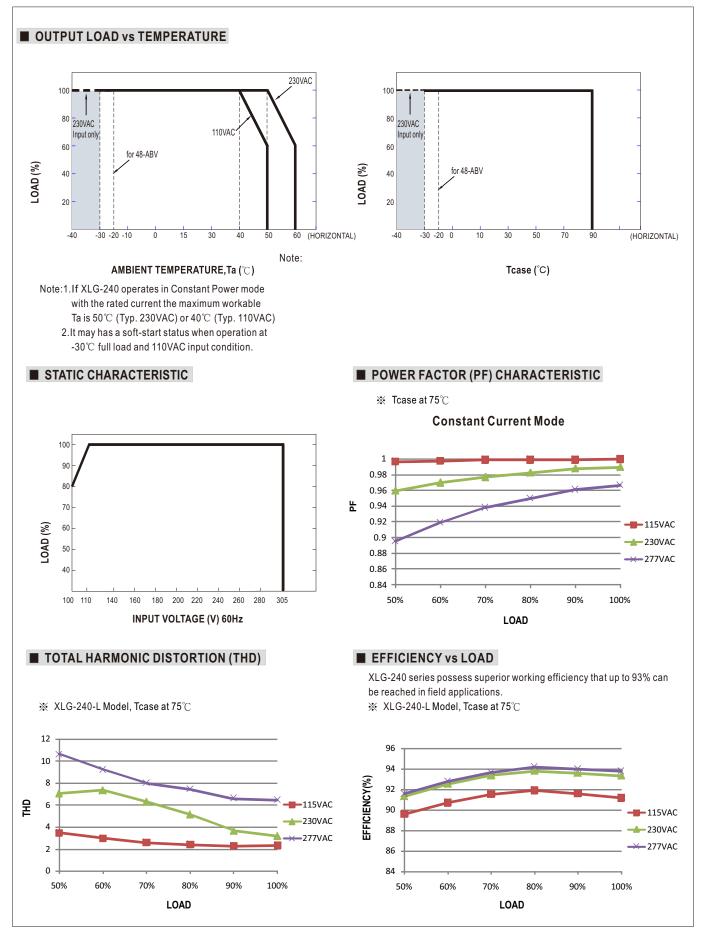




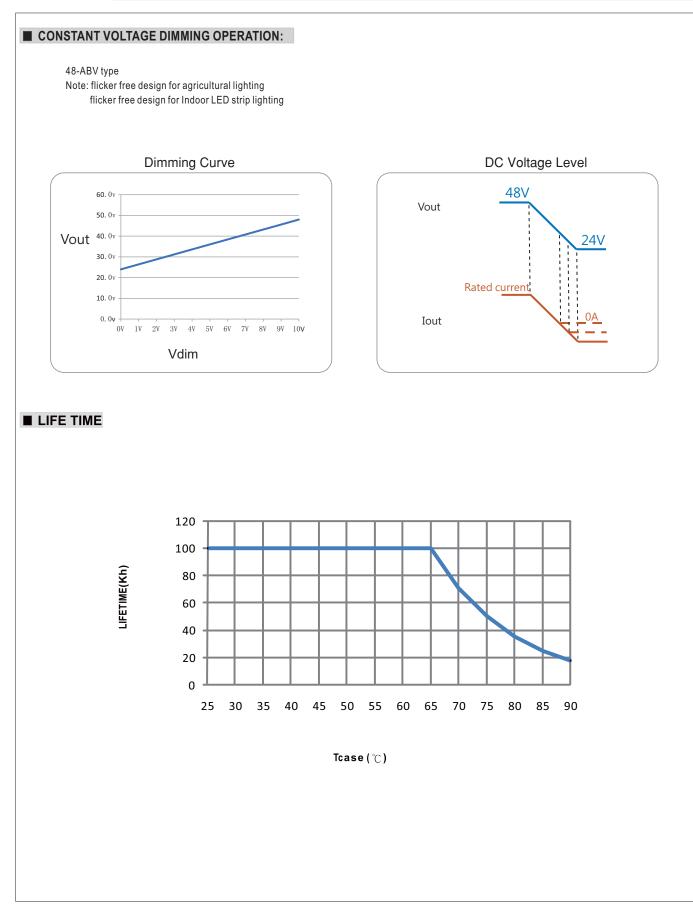




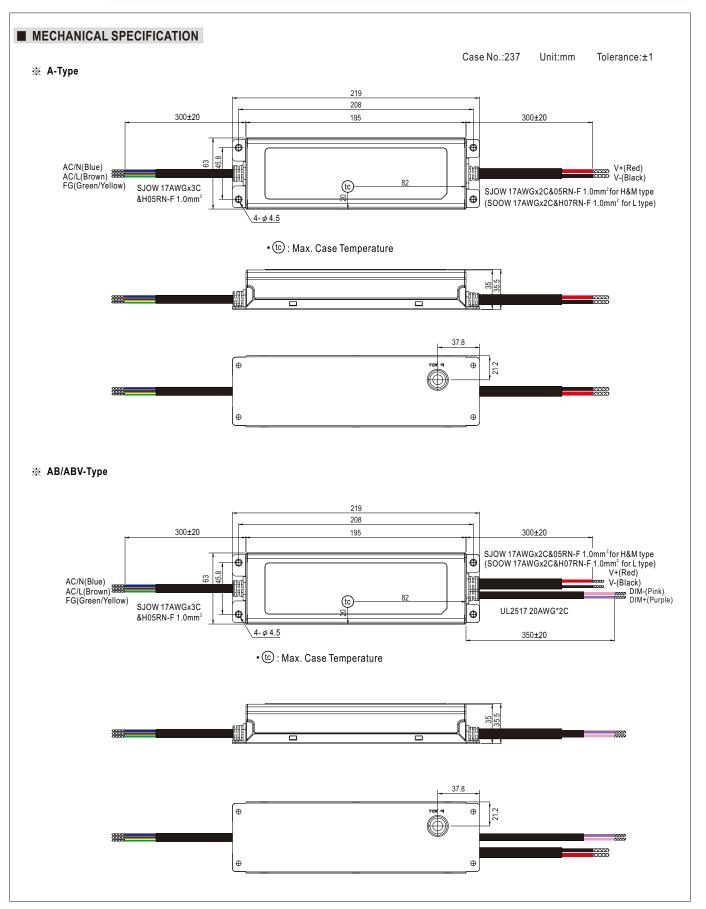














240W Constant Power Mode LED Driver

