

Description

XLG-100 series is a 100W LED AC/DC driver featuring the constant power mode.XLG-100 operates from 100~305VAC and offers models with different rated current ranging between 700mA and 8000mA. Thanks to the high efficiency up to 92%, with the fanless design, the entire series is able to operate for $40^{\circ}C \sim +90^{\circ}C$ 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-100 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 with isolation to ensure the safety of both user and luminaire system during installation.

Model Encoding

XLG - 100 I - L - I	
	Function options
	Rated output voltage(12/24V or L/H types)
	I: for India version(by request with Input over voltage protection)
	🕻 📃: 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
CV	CV-type only with constant voltage function and only for 12V and 24V models, Io and Vo are fixed.	By request

Note: 1.12V and 24V models without the AB type

2. India version needs MOQ for production, please consult MEANWELL for detail



Über die gesetzliche Gewährleistung hinausgehende Garantieangaben sind Herstellergarantien.

100W Constant Voltage+Constant Current LED Driver



SPECIFICATION

MODEL		XLG-100 -12-		XLG-100 -24-			
		12V		24V			
-	DC VOLTAGE						
	CONSTANT CURRENT REGION Note.2			16.8~ 24V			
	RATED CURRENT (Default)	8A		4A			
	RATED POWER	96W		96W			
l	RIPPLE & NOISE (max.) Note.3	150mVp-p		240mVp-p			
		Adjustable for A-Type only (via the built-in potenti	ometer)				
	CURRENT ADJ RANGE			2~4A			
		4~8A					
OUTPUT	VOLTAGE TOLERANCE Note.4			±2.0%			
	LINE REGULATION	±0.5%		±0.5%			
	LOAD REGULATION	±2%		±1%			
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VA	С				
	HOLD UP TIME (Typ.)	12ms/ 230VAC 12ms/ 115VAC					
	VOLTAGE RANGE Note.5	100 - 305VAC 142 - 431VDC					
		(Please refer to "STATIC CHARACTERISTIC" section)					
	FREQUENCY RANGE	47~63Hz					
	POWER FACTOR	PF≧0.97/115VAC, PF≧0.95/230VAC, PF≧0.92/2	277VAC@full load				
	TOTAL HARMONIC DISTORTION	THD< 10%(@load≧50%/115VAC,230VAC; @loa	ad≧75%/277VAC)				
INPUT	EFFICIENCY (Typ.)	92%	,	92%			
	AC CURRENT	1.1A / 115VAC 0.5A / 230VAC 0.42A/277VA	C	02.70			
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50	% Ipeak) at 230VAC; Per I	NEMA 410			
	MAX. No. of PSUs on 16A	8units (circuit breaker of type B) / 14 units (circui	it breaker of type () at 220	IVAC.			
	CIRCUIT BREAKER	curris (circuit breaker of type b) / 14 units (circui	toroance of type of at 250				
ł	LEAKAGE CURRENT	<0.75mA/277VAC					
ł							
	NO LOAD	No load power consumption <0.5W(for stan	idard version)				
	POWER CONSUMPTION		,				
		110 ~ 160% for CV type, 95~108% for other type					
	OVER CURRENT	CV-type: Hiccup mode only; Other type: Hiccup or	r constant current limiting:	Recovers automatically	after fault condition is removed		
ł	SHORT CIRCUIT	CV-type: Hiccup mode only; Other type: Hiccup or	8,				
PROTECTION		13.5 ~ 18V		27 ~ 34V			
INDILOTION	OVER VOLTAGE			21~34V			
		Shut down output voltage, re-power on to recover					
	INPUT OVER VOLTAGE	320 ~ 390VAC (Shut down output voltage when the	input voltage exceeds pro-	tection voltage, recovers	automatically after fault condition is removed)		
		Can survive input voltage stress of 440Vac for 48	hours(Input over voltage of	only for XLG-100I series)			
	OVER TEMPERATURE	Shut down output voltage, re-power on to recov	er				
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to " OUTPUT LC		section)			
				section			
	MAX. CASE TEMP.	Tcase=+90°C					
	WORKING HUMIDITY	20 ~ 95% RH non-condensing					
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)					
ł	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min.	oach along V. V. 7 avoc				
	(IDIO)		-				
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, CSA C22.2 No. 250.13-					
		GB19510.1, GB19510.14;EACTPTC004;J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13,					
		IS15885(Part2/Sec13)(for XLG-100I type only);NOM-058-SCFI-2017(except for Blank type); 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 / 500VDC	/ 25℃/ 70% RH				
		Parameter	Standard		Test Level/Note		
		Conducted	BS EN/EN55015(CISPF	(15) GB/T 17743			
		Radiated	BS EN/EN55015(CISPF				
EMC	EMC EMISSION						
EMC SAFETY &	EMC EMISSION						
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2, 0		Class C @load≥50%		
	EMC EMISSION						
		Harmonic Current	BS EN/EN61000-3-2, 0		Class C @load≥50%		
		Harmonic Current Voltage Flicker BS EN/EN61547	BS EN/EN61000-3-2 , 0 BS EN/EN61000-3-3		Class C @load≥50%		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter	BS EN/EN61000-3-2 , (BS EN/EN61000-3-3 Standard		Class C @load≥50% Test Level/Note		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	BS EN/EN61000-3-2, (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		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	BS EN/EN61000-3-2, (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 3		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD	BS EN/EN61000-3-2, (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		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated	BS EN/EN61000-3-2, (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 3 Level 3		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst	BS EN/EN61000-3-2, (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 3 Level 3		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	BS EN/EN61000-3-2, (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		Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	BS EN/EN61000-3-2, (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		Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	BS EN/EN61000-3-2, (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		Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
	EMC IMMUNITY	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-3-2, (BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11	SB17625.1	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4		
		Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field	BS EN/EN61000-3-2, (BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11		Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
	EMC IMMUNITY	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	BS EN/EN61000-3-2, (BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11	SB17625.1	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
SAFETY &	EMC IMMUNITY MTBF	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ;	BS EN/EN61000-3-2, (BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-11	SB17625.1	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
SAFETY &	EMC IMMUNITY MTBF DIMENSION PACKING	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT	BS EN/EN61000-3-2, (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 ; 276.4Khrs min. MII	-HDBK-217F (25°C)	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods,		
SAFETY & OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE". (Except for CV-type)	BS EN/EN61000-3-2, (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 ; 276.4Khrs min. MII	-HDBK-217F (25℃)	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
SAFETY & OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE". (Except for CV-type) 420MHz of bandwidth by using a 12" twisted pair	BS EN/EN61000-3-2, (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 ; 276.4Khrs min. MII	-HDBK-217F (25℃)	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
SAFETY & OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE". (Except for CV-type) at 20MHz of bandwidth by using a 12" twisted pair lerance, line regulation and load regulation. ler low input voltages. Please refer to "STATIC CH#	BS EN/EN61000-3-2, (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/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-11 ; 276.4Khrs min. uurrent and 25°C of ambient-wire terminated with a 0. ARACTERISTIC" sections	-HDBK-217F (25°C) at temperature. Iuf & 47uf parallel capac for details.	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
SAFETY & OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas	Harmonic Current Voltage Flicker BS_EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE*. (Except for CV-type) 42 0MHz of bandwidth by using a 12* twisted pair lerance, line regulation and load regulation. fer low input voltages. Please refer to "STATIC CH/ ured at first cold start. Turning ON/OFF the driver r	BS EN/EN61000-3-2, (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/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-6 BS EN/EN61000-4-11 ; 276.4Khrs min. uurrent and 25°C of ambier -wire terminated with a 0. ARACTERISTIC" sections may lead to increase of th	-HDBK-217F (25°C) at temperature. Iuf & 47uf parallel capac for details.	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. Only CE/ENEC/CB is availab	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c CTHODS OF LED MODULE". (Except for CV-type) at first cold start. Turning ON/OFF the driver r fer low input voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r	BS EN/EN61000-3-2, (BS EN/EN61000-3-3 Standard BS EN/EN61000-4-2 BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-7 BS EN/EN61000-4-8 BS EN/EN61000-4-11 : 276.4Khrs min. urrent and 25°C of ambien -wire terminated with a 0. ARACTERISTIC" sections may lead to increase of thrifticate.	-HDBK-217F (25°C) It temperature. Iuf & 47uf parallel capac for details. a set up time.	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods itor.		
OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. Only CE/ENEC/CB is availabl 8. The driver is considered as a	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE". (Except for CV-type) at 20MHz of bandwidth by using a 12" twisted pair ler low input voltages. Please refer to "STATIC CH- ured at first cold start. Turning ON/OFF the driver r le for V-type. XLG-1001 series without UL/CSA ce component that will be operated in combination with	BS EN/EN61000-3-2, (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/EN61000-4-11 ; 276.4Khrs min. MII uurrent and 25°C of ambien -wire terminated with a 0. ARACTERISTIC" sections may lead to increase of the rtificate.	-HDBK-217F (25°C) It temperature. It & 47uf parallel capac for details. a set up time. EMC performance will be	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 4KV/Line-Line 6KV/Line-Earth(6K/10K option) Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods itor.		
OTHERS NOTE	EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured 4. Tolerance : includes set up to 5. De-rating may be needed unc 6. Length of set up time is meas 7. Only CE/ENEC/CB is available 8. The driver is considered as a complete installation, the final (as available on thos://www.r	Harmonic Current Voltage Flicker BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore) ; 140*63*32mm (L*W*H) 0.58Kg;24pcs /15Kg /0.85CUFT mentioned are measured at 230VAC input, rated c THODS OF LED MODULE". (Except for CV-type) at 20MHz of bandwidth by using a 12" twisted pair ler low input voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le or virput voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le orovinput voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le ow input voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le ow input voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le ow input voltages. Please refer to "STATIC CH/ured at first cold start. Turning ON/OFF the driver r le ow input Please refer to "STATIC CH/Ured At Please refer to "STATIC CH/ured At first cold start. Turning ON/OFF the driver r	BS EN/EN61000-3-2 , (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/EN61000-4-6 BS EN/EN61000-4-11 ; 276.4Khrs min. MII	-HDBK-217F (25°C) -HDBK-217F (25°C) It temperature. It & 47uf parallel capac for details. a set up time. EMC performance will be stallation again.	Class C @load≥50% Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods tor.		
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Über die gesetzliche Gewährleistung hinausgehende Garantieangaben sind Herstellergarantien.

100W Constant Power Mode LED Driver

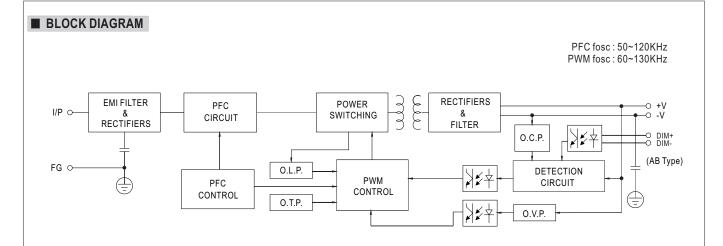


SPECIFICATION

MODEL		XLG-100 -L-		XLG-100 🗌 -H- 🗌				
	RATED CURRENT (Default)	700mA		2100mA				
	RATED POWER	100W		100W				
OUTPUT	CONSTANT CURRENT REGION	71 ~ 142V		27 ~ 56V				
	FULL POWER CURRENT RANGE	700~1050mA		1750~2780mA				
	OPEN CIRCUIT VOLTAGE (max.)	149V		60V				
	CURRENT ADJ. RANGE	350~1050mA		875~2780mA				
	CURRENT RIPPLE	3.0%(@rated current)						
	CURRENT TOLERANCE	±5%						
	SET UP TIME	500ms/230VAC, 1200ms/115VAC						
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142VDC ~ 431VDC						
		(Please refer to "STATIC CHARACTERISTIC" ang " DRIVING METHODS OF LED MODULE"section)						
	FREQUENCY RANGE	47 ~ 63Hz PE>0.97/115\/AC_PE>0.95/230\/AC_PE>0.92/277\/AC at full load						
	POWER FACTOR (Typ.)	PF≧0.97 / 115VAC, PF≧0.95 / 230VAC, PF≧0.92 / 277VAC at full load (Please refer to "Power Factor Characteristic" section)						
		(Please reter to "Power Factor Characteristic" section) THD<10% (@ load≧50% at 115VAC/230VAC ,@load≧75% at 277VAC)						
	TOTAL HARMONIC DISTORTION	Please refer to "TOTAL HARMONIC DISTORTIC						
INPUT	EFFICIENCY (Typ.)	92.5%						
INFUT	AC CURRENT (Typ.)	1.1A/115VAC 0.5A/230VAC 0.42A/2		0170				
	INRUSH CURRENT(Typ.)			MA 410				
	MAX. NO. of PSUs on 16A	COLD START 50A(twidth=300µs measured at 50% Ipeak) at 230VAC; Per NEMA 410						
	CIRCUIT BREAKER	8 unit(circuit breaker of type B) / 14 units(circuit breaker of type C) at 230VAC						
	LEAKAGE CURRENT	<0.75mA/277VAC						
	STANDBY POWER CONSUMPTION	Standby power consumption <0.5W for AB-Type(I	Dimming OFF)(for standa	rd version)				
		105 ~ 150%						
	OVER POWER	Hiccup mode, recovers automatically after fault c	ondition is removed					
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recover		t condition is removed				
		160 ~ 220V		66 ~ 90V				
PROTECTION	OVER VOLTAGE	Shut down output voltage, re-power on to recov		00 000				
				tection voltage, recovers a	automatically after fault condition is removed)			
	INPUT OVER VOLTAGE	320 ~ 390VAC (Shut down output voltage when the input voltage exceeds protection voltage, recovers automatically after fault condition is removed) Can survive input voltage stress of 440Vac for 48 hours(Input over voltage only for XLG-100I series)						
	OVER TEMPERATURE	Shut down output voltage, re-power on to recov	/er					
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LO	AD vs TEMPERATURE" s	ection)				
	MAX. CASE TEMP.	Tcase=+90°C						
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)						
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
		UL8750(type"HL"), CSA C22.2 No. 250.13-12; ENEC BS EN/EN61347-1, BS EN/EN61347-2-13 independent, BS EN/EN62384;						
	SAFETY STANDARDS Note.7	GB19510.1, GB19510.14; EAC TP TC 004; J61347-1 (H29), J61347-2-13 (H29), KC61347-1, KC61347-2-13,						
	WITHSTAND VOLTAGE	IS15885(Part2/Sec13)(for XLG-100I type only);NOM-058-SCFI-2017(except for Blank type); IP67 approved I/P-O/P:3.75KVAC I/P-FG:2KVAC 0/P-FG:1.5KVAC						
SAFETY &	ISOLATION RESISTANCE	I/P-O/P. I/P-FG. O/P-FG:100M Ohms / 500VDC						
EMC	IOULATION REDIOTARDE	Parameter	Standard		Test Level/Note			
		Conducted	BS EN/EN55015(CISPR	(15) GB/T 17743				
		Radiated	BS EN/EN55015(CISPR					
	EMC EMISSION	Harmonic Current	BS EN/EN61000-3-2 ,G	, ·	Class C @load≥50%			
		Voltage Flicker	BS EN/EN61000-3-3					
		BS EN/EN61547						
		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 3			
	EMC IMMUNITY	EFT/Burst	BS EN/EN61000-4-4		Level 3			
		Surge	BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth(6K/10K option)			
		Conducted	BS EN/EN61000-4-6		Level 3			
		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			
o	MTBF	2782.6K hrs min. Telcordia SR-332 (Bellcore)	; 276.4Khrs min. MI	L-HDBK-217F (25℃)				
OTHERS	DIMENSION	140*63*32mm (L*W*H)						
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT						
NOTE	 Please refer to "DRIVING ME Ripple & noise are measured Tolerance : includes set up tol De-rating may be needed und 	Il parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature. lease refer to "DRIVING METHODS OF LED MODULE". ipple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. olerance : includes set up tolerance, line regulation and load regulation. e-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.						
	6. Length of set up time is measured at first cold start. Turning ON/OFF the driver may lead to increase of the set up time. 7. XLG-100I series without UL/CSA certificate. 8. 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.							
	(as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf) 9. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft). 10. Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com 11. This series meets the typical life expectancy of >50,000 hours of operation when Tcase, particularly (c) point (or TMP, per DLC), is about 80℃ or less.							
	 Products sourced from the Americas regions may not have the PSE/CCC/BIS/KC logo. Please contact your MEAN WELL sales for more information. 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 							
	15. If you need the NOM (Mexic 16. For A/AB type need to consi	Iatest ErP regulation for lighting fixture, this LED driver can only be used behind a switch without permanently connected to the mains. o) certificate, Please contact MEAN WELL sales representative for details. der build in using to comply with Type HL application. For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx File Name:XLG-100-SPEC_2024-10-11						
	A Froquet Liability Discialmer :	File Name:XLG-100-SPEC 2024-10-11						

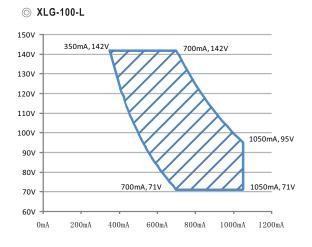


XLG-100 series



DRIVING METHODS OF LED MODULE

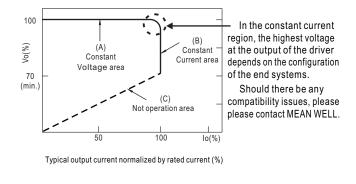
※ I-V Operating Area



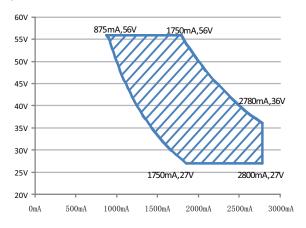
Recommend Performance Region

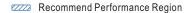
O XLG-100-12,24

This series is able to work in either Constant Current mode (a direct drive way) or Constant Voltage mode (usually through additional DC/DC driver) to drive the LEDs, except for CV-type.



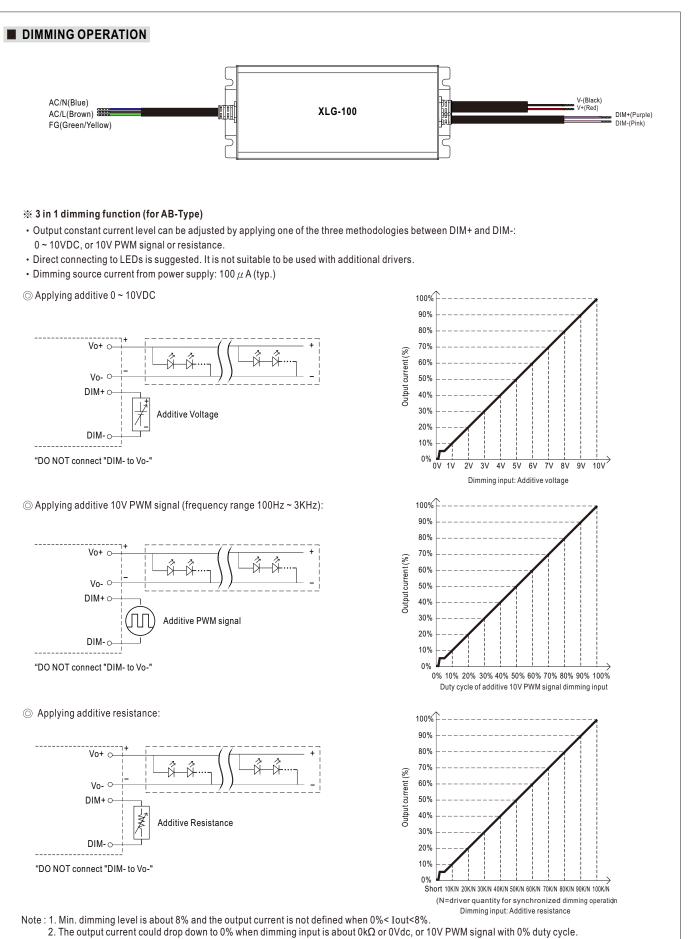
◎ XLG-100-H





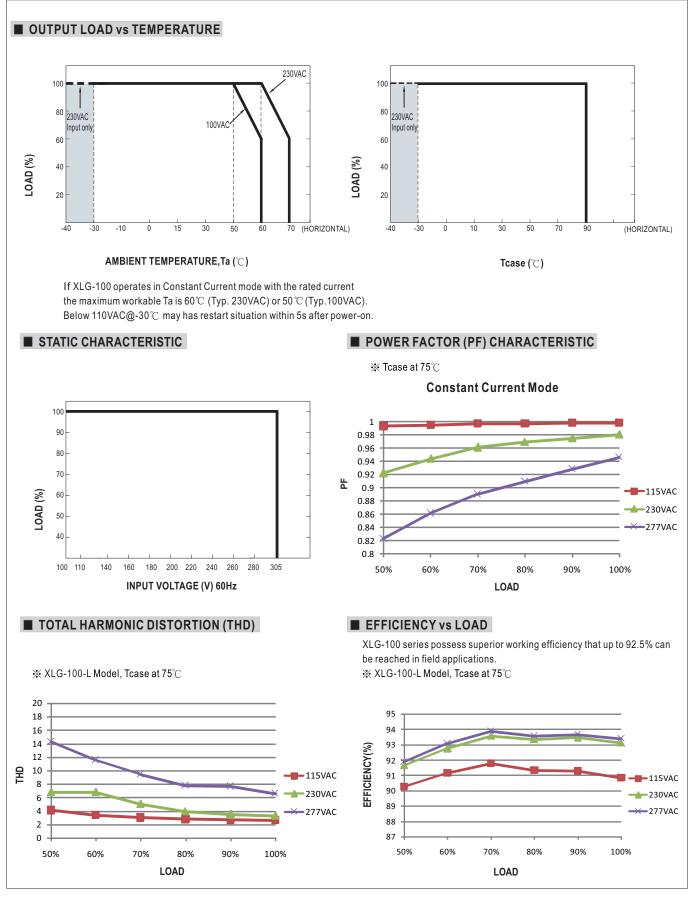


XLG-100 series





XLG-100 series



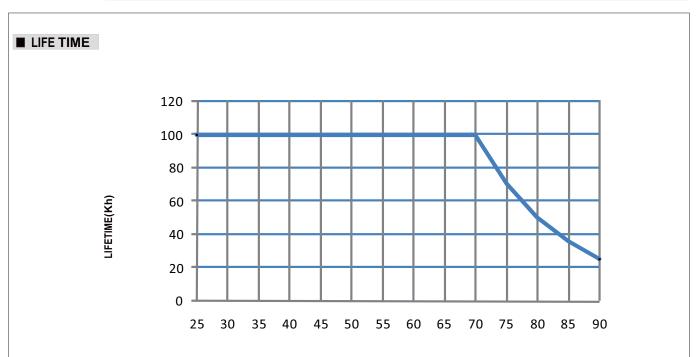
File Name:XLG-100-SPEC 2024-10-11

Über die gesetzliche Gewährleistung hinausgehende Garantieangaben sind Herstellergarantien.



100W Constant Power Mode LED Driver

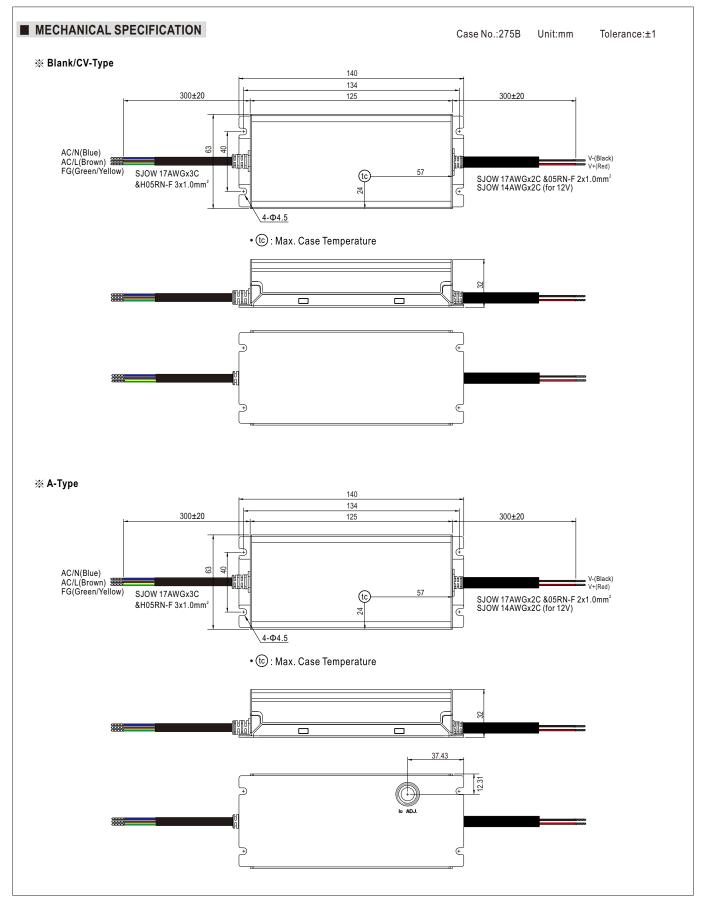
XLG-100 series



Tcase (°℃)



XLG-100 series



File Name:XLG-100-SPEC 2024-10-11



XLG-100 series

