

- · Comply with UL Class P
- Life time >50,000 hrs. and 5 years warranty

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GTIN CODE

#### 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

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
A	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



#### SPECIFICATION

MODEL		XLG-100 -12-		XLG-100 -24-					
	DC VOLTAGE	12V		24V					
	CONSTANT CURRENT REGION Note.2	8.4~ 12V		16.8~ 24V					
l	RATED CURRENT (Default)	8A		4A					
	RATED POWER	96W		96W					
	RIPPLE & NOISE (max.) Note.3			240mVp-p					
	CURRENT ADJ RANGE	Adjustable for A-Type only (via the built-in potentio	,	0.44					
	VOLTAGE TOLERANCE Note.4	4~8A ±3.0%		2~4A					
OUTPUT	LINE REGULATION	±0.5%		±2.0% ±0.5%					
	LOAD REGULATION	±2%		±1%					
	SETUP, RISE TIME Note.6	500ms, 100ms/230VAC, 1200ms, 100ms/115VA0	C	2170					
	HOLD UP TIME (Typ.)	12ms/ 230VAC 12ms/ 115VAC	-						
		100 ~ 305VAC 142 ~ 431VDC							
	VOLTAGE RANGE Note.5	(Please refer to "STATIC CHARACTERISTIC" section)							
	FREQUENCY RANGE	47 ~ 63Hz							
l	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)						
NPUT	EFFICIENCY (Typ.)	92%		92%					
	AC CURRENT	1.1A / 115VAC 0.5A / 230VAC 0.42A/277VA							
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 500	% Ipeak) at 230VAC; Per N	IEMA 410					
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	8units (circuit breaker of type B) / 14 units (circui	t breaker of type C) at 230	VAC					
l	LEAKAGE CURRENT	<0.75mA/277VAC							
		<0.75IIIA7277VAC							
l	NO LOAD POWER CONSUMPTION	No load power consumption <0.5W(for stan	idard version)						
		110 ~ 160% for CV type, 95~108% for other type							
l	OVER CURRENT	CV-type: Hiccup mode only; Other type: Hiccup or	r constant current limiting:	Recovers automatically	after fault condition is removed				
	SHORT CIRCUIT	CV-type: Hiccup mode only; Other type: Hiccup of							
ROTECTION		13.5 ~ 18V		27 ~ 34V					
l	OVER VOLTAGE	Shut down output voltage, re-power on to recove	er						
	INPUT OVER VOLTAGE	320 ~ 390VAC (Shut down output voltage when the	input voltage exceeds prote	ection voltage, recovers a	automatically after fault condition is removed)				
	INFOT OVER VOLIAGE	Can survive input voltage stress of 440Vac for 48	hours(Input over voltage o	nly for XLG-100I series)					
	OVER TEMPERATURE	Shut down output voltage, re-power on to recover	er						
l	WORKING TEMP.	Tcase=-40 ~ +90 $^{\circ}$ C (Please refer to " OUTPUT LC	OAD vs TEMPERATURE" s	ection)					
l	MAX. CASE TEMP.	Tcase=+90°C							
	WORKING HUMIDITY	20 ~ 95% RH non-condensing	20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)							
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes							
	SAFETY STANDARDS Note.7	UL8750(type"HL"), UL879, 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)(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		<u>, , , , , , , , , , , , , , , , , , , </u>	L				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC	/ 25℃/ 70% RH						
		Parameter	Standard		Test Level/Note				
l		Conducted	BS EN/EN55015(CISPR	15) ,GB/T 17743					
ЕМС	EMC EMISSION	Radiated	BS EN/EN55015(CISPR	15) ,GB/T 17743					
SAFETY &		Harmonic Current	BS EN/EN61000-3-2, G	B17625.1	Class C @load≥50%				
l		Voltage Flicker	BS EN/EN61000-3-3						
I		BSEN/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				
l		Surge	BS EN/EN61000-4-5		4KV/Line-Line 6KV/Line-Earth(6K/10K optio				
l		Conducted	BS EN/EN61000-4-6		Level 3				
l		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	2782.6K hrs min. Telcordia SR-332 (Bellcore) ;	276.4Khrs min. MIL	-HDBK-217F (25℃)					
OTHERS	DIMENSION	140*63*32mm (L*W*H)							
	PACKING	0.58Kg;24pcs /15Kg /0.85CUFT	urrant and OF® of such	tionnorst					
	<ol> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</li> <li>Piease refer to "DRIVING METHODS OF LED MODULE". (Except for CV-type)</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>Length of set up time is measured at 200Hz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf &amp; 47uf parallel capacitor.</li> <li>De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</li> <li>Length of set up time is measured at 200Hz of bandwidth by using a 12" twisted pair-wire terminated with set up time.</li> <li>Only CE/ENEC/CB is available for CV-type. XLG-100I series without UL/CSA certificate.</li> <li>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)</li> <li>The ambient temperature derating of 3.5°C1000m with fanless models and of 5°C1000m with fan models for operating altitude higher than 2000m(6500ft).</li> <li>Please refer to the warranty statement on MEAN WELL's website at http://www.meanwell.com</li> <li>Products sourced from the Americas regions may not have the PSE/CCC/BIS/KC logo. Please contact your MEAN WELL sales for more information.</li> <li>For any application note and IP water proof function installation caution, please refer ou user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf</li> <li></li></ol>								
-	<ol> <li>Tolerance : includes set up tol</li> <li>De-rating may be needed unc</li> <li>Length of set up time is meas</li> <li>Only CE/ENEC/CB is available</li> <li>The driver is considered as a complete installation, the final (as available on https://www.r.</li> <li>The ambient temperature der</li> <li>Products sourced from the A</li> <li>For any application note and https://www.meanwell.com/L</li> </ol>	der low input voltages. Please refer to "STATIC CH/ sured at first cold start. Turning ON/OFF the driver in le for CV-type. XLG-1001 series without UL/CSA cei component that will be operated in combination wit le quipment manufacturers must re-qualify EMC Di meanwell.com//Upload/PDF/EM_statement_en.pdf ating of 3.5°C/1000m with fanless models and of 5° statement on MEAN WELL's website at http://www life expectancy of >50.000 hours of operation whe Americas regions may not have the PSE/CCC/BIS/k d IP water proof function installation caution, please Jpload/PDF/LED EN.pdf	rtificate. th final equipment. Since E rective on the complete ins ) C/1000m with fan models umeanwell.com in Tcase, particularly (o po (C logo. Please contact yo refer our user manual bef	itallaṫion again. for operating altitude hig oint (or TMP, per DLC), is ur MEAN WELL sales fo ore using.	her than 2000m(6500ft). s about 80°C or less. or more information.				
-	<ol> <li>Tojerance : includes set up tol</li> <li>De-rating may be needed unc</li> <li>Length of set up time is meass</li> <li>Only CE/ENEC/CB is availabl</li> <li>The driver is considered as a complete installation, the final (as available on https://www.r9</li> <li>The ambient temperature der</li> <li>Please refer to the warranty</li> <li>This series meets the typical</li> <li>For any application note and https://www.meanwell.com/L</li> <li>Tord III requirements of the</li> </ol>	der low input voltages. Please refer to "STATIC CH/ sured at first cold start. Turning ON/OFF the driver in le for CV-type. XLG-1001 series without UL/CSA ce component that will be operated in combination wit l equipment manufacturers must re-qualify EMC Di meanwell.com//Upload/PDF/EML_statement_en.pdf ating of 3.5°C/1000m with fanless models and of 5° statement on MEAN WELL's website at http://www l life expectancy of >50,000 hours of operation whe wmericas regions may not have the PSE/CCC/BIS/f d IP water proof function installation caution, please Jpload/PDF/LED_EN.pdf l atest ErP regulation for lighting fixture, this LED di	rtificate. th final equipment. Since E rective on the complete ins ) C/1000m with fan models : 	itallaṫion again. for operating altitude hig oint (or TMP, per DLC), is ur MEAN WELL sales fo ore using.	her than 2000m(6500ft). s about 80℃ or less. or more information.				
	<ol> <li>Tojerance : includes set up tol</li> <li>De-rating may be needed unc</li> <li>Length of set up time is meass</li> <li>Only CE/ENEC/CB is availabl</li> <li>The driver is considered as a complete installation, the final (as available on https://www.r</li> <li>The adriver is considered as a</li> <li>The driver is considered as a</li> <li>The driver is considered as a</li> <li>The adriver is considered as a</li> <li>The driver is considered as a</li> <li>To fullil requirements of the 15. If you need the NOM (Mexic 16. For A/AB type need to considered as a</li> </ol>	der low input voltages. Please refer to "STATIC CH/ sured at first cold start. Turning ON/OFF the driver in le for CV-type. XLG-1001 series without UL/CSA cei component that will be operated in combination wit le quipment manufacturers must re-qualify EMC Di meanwell.com//Upload/PDF/EM_statement_en.pdf ating of 3.5°C/1000m with fanless models and of 5° statement on MEAN WELL's website at http://www life expectancy of >50.000 hours of operation whe Americas regions may not have the PSE/CCC/BIS/k d IP water proof function installation caution, please Jpload/PDF/LED EN.pdf	rtificate. th final equipment. Since E rective on the complete ins ) C/1000m with fan models : ,meanwell.com in Tcase, particularly (c) po (C logo. Please contact yo refer our user manual bef river can only be used beh spresentative for details. n.	itallation again. for operating altitude hig bint (or TMP, per DLC), i ur MEAN WELL sales fo ore using. ind a switch without peri	her than 2000m(6500ft). s about 80°C or less. or more information.				



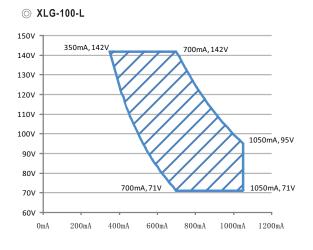
#### SPECIFICATION

MODEL		XLG-100 🗌 -L- 🗌	XLG-100	П-н-П					
	RATED CURRENT (Default)	700mA	2100mA						
	RATED POWER	100W	100W						
OUTPUT	CONSTANT CURRENT REGION	71 ~ 142V	27 ~ 56V						
	FULL POWER CURRENT RANGE		1750~278	0mA					
	OPEN CIRCUIT VOLTAGE (max.)		60V						
	. ,		875~2780	1m A					
	CURRENT ADJ. RANGE	350~1050mA	875~2780	IMA					
	CURRENT RIPPLE	3.0%(@rated current)							
	CURRENT TOLERANCE	±5%							
	SET UP TIME	500ms/230VAC, 1200ms/115VAC							
	VOLTAGE RANGE Note.5	100 ~ 305VAC 142VDC ~ 431VDC	100 ~ 305VAC 142VDC ~ 431VDC						
	VOLIAGE RANGE NOLE.J	(Please refer to "STATIC CHARACTERISTIC" an	g " DRIVING METHODS OF LED MO	DULE"section)					
	FREQUENCY RANGE	47~63Hz							
		PF ≥ 0.97 / 115VAC, PF ≥ 0.95 / 230VAC, PF ≥ 0.92 / 277VAC at full load							
	POWER FACTOR (Typ.)	(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.)	92.5%	91%						
	AC CURRENT (Typ.)		277VAC						
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=300µs measured at 50%	peak) at 230VAC; Per NEMA 410						
	MAX. NO. of PSUs on 16A	8 unit(circuit breaker of type B) / 14 units(circuit b	preaker of type C) at 230VAC						
	CIRCUIT BREAKER		31,						
	LEAKAGE CURRENT	<0.75mA / 277VAC							
	STANDBY	Chandles and a state of state of state							
	POWER CONSUMPTION	Standby power consumption <0.5W for AB-Type(	Uniming OFF)(for standard version)	)					
		105 ~ 150%							
	OVER POWER	Hiccup mode, recovers automatically after fault of	condition is removed						
	SHORT CIRCUIT	Hiccup mode or Constant current limiting, recove		IS LEUIOVED					
ROTECTION	OVER VOLTAGE	160 ~ 220V	66 ~ 90V						
		Shut down output voltage, re-power on to recov	ver						
		320 ~ 390VAC (Shut down output voltage when the	input voltage exceeds protection vol	tage, recovers aι	tomatically after fault condition is removed)				
	INPUT OVER VOLTAGE	Can survive input voltage stress of 440Vac for 48	hours(Input over voltage only for XL	.G-100I series)					
	OVER TEMPERATURE	Shut down output voltage, re-power on to recov	ver						
	WORKING TEMP.	Tcase=-40 ~ +90°C (Please refer to "OUTPUT LO	AD vs TEMPERATURE" section)						
	MAX. CASE TEMP.	Tcase=+90°C							
	WORKING HUMIDITY	20 ~ 95% RH non-condensing							
INVIRONMENT	STORAGE TEMP., HUMIDITY	$-40 \sim +80^{\circ}$ C, 10 $\sim$ 95% RH non-condensing							
	TEMP. COEFFICIENT	±0.03%/°C (0~60°C)							
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min.	0 / /						
		UL8750(type"HL"), CSA C22.2 No. 250.13-12; I	,						
	SAFETY STANDARDS Note.7	GB19510.1, GB19510.14; EAC TP TC 004; J61347-1(H29), J61347-2-13(H29), KC61347-1, KC61347-2-13,							
		IS15885(Part2/Sec13)(for XLG-100I type only);N	OM-058-SCFI-2017(except for Blank	k type); IP67 app	roved				
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG	:1.5KVAC						
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC	C/25℃/70% RH						
		Parameter	Standard	1	est Level/Note				
		Conducted	BS EN/EN55015(CISPR15),GB/T	17743 -					
		Radiated							
	EMC EMISSION		BS EN/EN55015(CISPR15),GB/T						
		Harmonic Current	BS EN/EN61000-3-2 ,GB17625.1						
l		Veltere Elieker			Class C @load≥50%				
		Voltage Flicker	BS EN/EN61000-3-3						
		BS EN/EN61547		-					
			BS EN/EN61000-3-3 Standard	-					
		BS EN/EN61547		-					
		BS EN/EN61547 Parameter	Standard	- 1 L	rest Level/Note				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD	Standard BS EN/EN61000-4-2	- 1 L	Fest Level/Note Level 3, 8KV air ; Level 2, 4KV contact				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	- 1 L L	Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5		Test Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 KV/Line-Line 6KV/Line-Earth(6K/10K option)				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	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	- 1 L L L 4 L	rest Level/Note evel 3, 8KV air ; Level 2, 4KV contact evel 3 evel 3 KV/Line-Line 6KV/Line-Earth(6K/10K option) evel 3				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge	Standard           BS EN/EN61000-4-2           BS EN/EN61000-4-3           BS EN/EN61000-4-4           BS EN/EN61000-4-5	- 1 L L L 4 L	rest Level/Note evel 3, 8KV air ; Level 2, 4KV contact evel 3 evel 3 :kV/Line-Line 6KV/Line-Earth(6K/10K option) :evel 3 :evel 4				
	EMC IMMUNITY	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted	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		rest Level/Note .evel 3, 8KV air ; Level 2, 4KV contact .evel 3 .evel 3 .evel 3 .Evel 3 .evel 3 .evel 3 .evel 4 .evel 4 .evel 4				
		BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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		rest Level/Note evel 3, 8KV air ; Level 2, 4KV contact evel 3 evel 3 :kV/Line-Line 6KV/Line-Earth(6K/10K option) :evel 3 :evel 4				
	MTBF	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore)	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		rest Level/Note .evel 3, 8KV air ; Level 2, 4KV contact .evel 3 .evel 3 .evel 3 .Evel 3 .evel 3 .evel 3 .evel 4 .evel 4 .evel 4				
THERS	MTBF DIMENSION	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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		rest Level/Note .evel 3, 8KV air ; Level 2, 4KV contact .evel 3 .evel 3 .evel 3 .Evel 3 .evel 3 .evel 3 .evel 4 .evel 4 .evel 4				
THERS	MTBF	BS EN/EN61547 Parameter ESD Radiated EFT/Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 2782.6K hrs min. Telcordia SR-332 (Bellcore)	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		rest Level/Note .evel 3, 8KV air ; Level 2, 4KV contact .evel 3 .evel 3 .evel 3 .Evel 3 .evel 3 .evel 3 .evel 4 .evel 4 .evel 4				
	MTBF DIMENSION PACKING 1. All parameters NOT specially	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	Standard           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/EN61000-4-8           BS EN/EN61000-4-11           ; 276.4Khrs min.         MIL-HDBK-2		rest Level/Note .evel 3, 8KV air ; Level 2, 4KV contact .evel 3 .evel 3 .evel 3 .Evel 3 .evel 3 .evel 3 .evel 4 .evel 4 .evel 4				
	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME	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".	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.           BUL-HDBK-2		Test Level/Note         evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 4         .95% dip 0.5 periods, 30% dip 25 periods, .95% interruptions 250 periods				
IOTE	MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Please refer to "DRIVING ME 3. Ripple & noise are measured	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". at 20MHz of bandwidth by using a 12" twisted pair	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.           BUL-HDBK-2		Test Level/Note         evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 4         .95% dip 0.5 periods, 30% dip 25 periods, .95% interruptions 250 periods				
IOTE	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	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".	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           ; 276.4Khrs min.           urrent and 25°C of ambient temperative terminated with a 0.1uf & 47uf		Test Level/Note         evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 4         .95% dip 0.5 periods, 30% dip 25 periods, .95% interruptions 250 periods				
IOTE	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	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". at 20MHz of bandwidth by using a 12" twisted pair lerance, line regulation and load regulation. der low input voltages. Please refer to "STATIC CH/ ured at first cold start. Turning ON/OFF the driver r	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.           rurrent and 25°C of ambient temperate           -wire terminated with a 0.1uf & 47uf           ARACTERISTIC" sections for details		Test Level/Note         evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 4         .95% dip 0.5 periods, 30% dip 25 periods, .95% interruptions 250 periods				
IOTE	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. XLG-1001 series without UL/C	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 cs THODS OF LED MODULE". at 20MHz of bandwidth by using a 12" twisted pair lerance, line regulation and load regulation. der low input voltages. Please refer to "STATIC CH/ ured at first cold start. Turning ON/OFF the driver or SA certificate.	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.           wirrent and 25°C of ambient temperate           -wire terminated with a 0.1uf & 47uf           ARACTERISTIC" sections for details           may lead to increase of the set up time		r.				
NOTE	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 und         6. Length of set up time is meas         7. XLG-100I series without UL/C         8. The driver is considered as a complete installation, the final	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". at 20MHz of bandwidth by using a 12" twisted pair lerance, line regulation and load regulation. der low input voltages. Please refer to "STATIC CH- usured at first cold start. Turning ON/OFF the driver r SA certificate. component that will be operated in combination wil equipment manufacturers must re-qualify EMC Di	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           ; 276.4Khrs min.           uurrent and 25°C of ambient temperat           -wire terminated with a 0.1uf & 47uf           ARACTERISTIC" sections for details may lead to increase of the set up tim           th final equipment. Since EMC perforective on the complete installation at		r.				
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IOTE	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 meass 7. XLG-1001 series without UL/C 8. The driver is considered as a complete installation, the final (as available on https://www.r 9. The ambient temperature der	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".         at 20MHz of bandwidth by using a 12" twisted pair         lerace, line regulation and load regulation.         der low input voltages. Please refer to "STATIC CH-         surdet first cold start. Turning ON/OFF the driver r         ISA certificate.         component that will be operated in combination wil         lequipment manufacturers must re-qualify EMC DD         meanwell.com//Upload/PDF/EMI_statement_en.pdf	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.         wirrent and 25°C of ambient temperate         -wire terminated with a 0.1uf & 47uf         ARACTERISTIC" sections for details         may lead to increase of the set up tint         thinal equipment. Since EMC performerctive on the complete installation and projection with fan models for operative		Test Level/Note         .evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 3         .evel 3         .evel 3         .evel 3         .evel 3         .evel 4         .95% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods         .evel 4         .evel 4         .evel 4         .evel 4         .evel 4         .evel 5% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods				
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NOTE	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 meass 7. XLG-1001 series without UL/C 8. The driver is considered as a complete installation, the final (as available on https://www.r 9. The ambient temperature der 10. Please refer to the warranty 11. This series meets the typical 12. Products sourced from the A	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". at 20MHz of bandwidth by using a 12" twisted pair lerance, line regulation and load regulation. Ger low input voltages. Please refer to "STATIC CH- ured at first cold start. Turning ON/OFF the driver r SA certificate. component that will be operated in combination wil lequipment manufacturers must re-qualify EMC Di meanwell.com//Upload/PDF/EMI statement_en.pdf ing of 3.5'C/1000m with fanless models and of 5' statement on MEAN WELL's website at http://www life expectancy of >50,000 hours of operation whe	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.         wurrent and 25°C of ambient temperate         wurrent and 25°C of ambient temperate         current and 25°C of ambient temperate	L L L L L L L L L L L L L L L L L L	Fest Level/Note         evel 3, 8KV air ; Level 2, 4KV contact         .evel 3         .evel 4         .evel 4         .evel 4         .evel 5% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods         .evel 4         .evel 4         .evel 4         .evel 4         .evel 5% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods         .evel 4         .evel 4         .evel 4         .evel 4         .evel 5% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods         .evel 4         .evel 4<				
DTHERS	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. XLG-1001 series without UL/C 8. The driver is considered as a complete installation, the final (as available on https://www.r 9. The ambient temperature der 10. Please refer to the warranty 11. This series meets the typical 12. Products sourced from the A 13. For any application note and https://www.meanwell.com/L	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".         at 20MHz of bandwidth by using a 12" twisted pair         lerance, line regulation and load regulation.         der low input voltages. Please refer to "STATIC CH/sured at first cold start. Turning ON/OFF the driver r         SA certificate.         component that will be operated in combination will equipment manufacturers must re-qualify EMC Dip         lating of 3.5°C/1000m with fanless models and of 5         statement on MEAN WELL's website at http://www         Viffe expectancy of 550,000 hours of operation whemericas regions may not have the PSE/CCC/BIS//         il P water proof function installation caution, please         Alpoad/PDF/ELD EN.pdf	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/EN61000-4-8         BS EN/EN61000-4-11         ; 276.4Khrs min. MIL-HDBK-2         current and 25°C of ambient temperate         -wire terminated with a 0.1uf & 47uf         ARACTERISTIC" sections for details         may lead to increase of the set up time         th final equipment. Since EMC performeretive on the complete installation at formation at formatis at formation at formation at formation at	i - i - i - i - i - i - i - i - i - i -	r. Fest Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 295% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods r. fected by the br than 2000m(6500ft). Libout 80°C or less. more information.				
NOTE	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 und         6. Length of set up time is meas         7. XLG-1001 series without UL/C         8. The driver is considered as a complete installation, the final (as available on https://www.r         9. The ambient temperature der         10. Please refer to the warranty         11. This series meets the typical         12. Products sourced from the A         13. For any application note and thttps://www.meanwell.com/L         14. To fulfill requirements of the	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". at 20MHz of bandwidth by using a 12" twisted pair ferance, line regulation and load regulation. der low input voltages. Please refer to "STATIC CH+ ured at first cold start. Turning ON/OFF the driver r SA certificate. component that will be operated in combination wil lequipment manufacturers must re-qualify EMC Di meanwell.com//Upload/PDF/EMI_statement_en.pdf ating of 3.5°C /1000m with fanless models and of 5 statement on MEAN WELL's website at http://www life expectancy of >50,000 hours of operation whereicas regions may not have the PSE/CCC/BIS/d IP water proof function installation caution, please pload/PDF/LED_EN.pdf	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/EN61000-4-7         BS EN/EN61000-4-8         BS EN/EN61000-4-11         ; 276.4Khrs min.         wirrent and 25°C of ambient temperat         -wirre terminated with a 0.1uf & 47uf         ARACTERISTIC" sections for details         may lead to increase of the set up tim         th final equipment. Since EMC perfor         rective on the complete installation a         0.7/1000m with fan models for operati         meanwell.com         m Tcase, particularly () point (or TM         KC logo. Please contact your MEAN         refer our user manual before using.         river can only be used behind a switt	i - i - i - i - i - i - i - i - i - i -	r. Fest Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 295% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods r. fected by the br than 2000m(6500ft). Libout 80°C or less. more information.				
IOTE	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 und         6. Length of set up time is meas         7. XLG-100 series without ULC         8. The driver is considered as a complete installation, the final (as available on https://www.r         9. The ambient temperature der         10. Please refer to the warranty         11. This series meets the typical         12. Products sourced from the A         13. For any application note and thttps://www.meanwell.com/L         14. To fulfill requirements of the 15. If you need the NOM (Mexic	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".         at 20MHz of bandwidth by using a 12" twisted pair         lerance, line regulation and load regulation.         der low input voltages. Please refer to "STATIC CH/sured at first cold start. Turning ON/OFF the driver r         SA certificate.         component that will be operated in combination will equipment manufacturers must re-qualify EMC Dip         lating of 3.5°C/1000m with fanless models and of 5         statement on MEAN WELL's website at http://www         Viffe expectancy of 550,000 hours of operation whemericas regions may not have the PSE/CCC/BIS//         il P water proof function installation caution, please         Alpoad/PDF/ELD EN.pdf	Standard         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/EN61000-4-8         BS EN/EN61000-4-11         ; 276.4Khrs min.         wirrent and 25°C of ambient temperal         -wire terminated with a 0.1uf & 47uf         ARACTERISTIC" sections for details         may lead to increase of the set up tim         th final equipment. Since EMC perforence (the online complete installation and (the online) (the onlin	i - i - i - i - i - i - i - i - i - i -	r. Fest Level/Note Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 3 Level 4 295% dip 0.5 periods, 30% dip 25 periods, 95% interruptions 250 periods r. fected by the br than 2000m(6500ft). Libout 80°C or less. more information.				



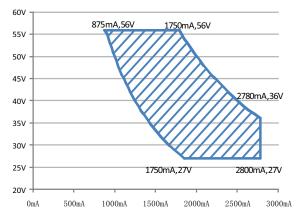
#### BLOCK DIAGRAM PFC fosc : 50~120KHz PWM fosc: 60~130KHz EMI FILTER RECTIFIERS 3 PFC POWER -0 +V I/P c & RECTIFIERS SWITCHING & -õ -v CIRCUIT FILTER -O DIM+ -O DIM-0.C.P. ⋭₹ (AB Type) FG C O.L.P. DETECTION ⋧⋧Қ PWM PFC CIRCUIT CONTROL CONTROL (<u>†</u> 0.T.P. 0.V.P. DRIVING METHODS OF LED MODULE

※ I-V Operating Area



Recommend Performance Region

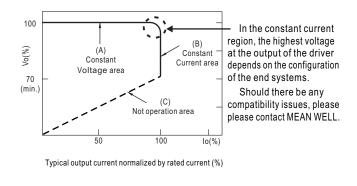
◎ XLG-100-H



Recommend Performance Region

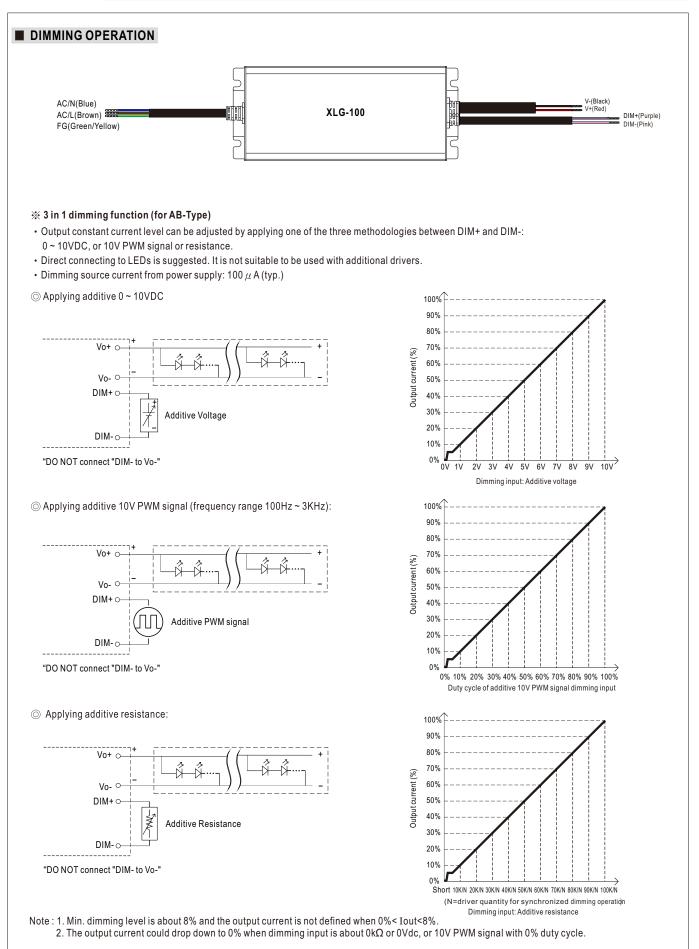
#### O XLG-100-12,24

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.

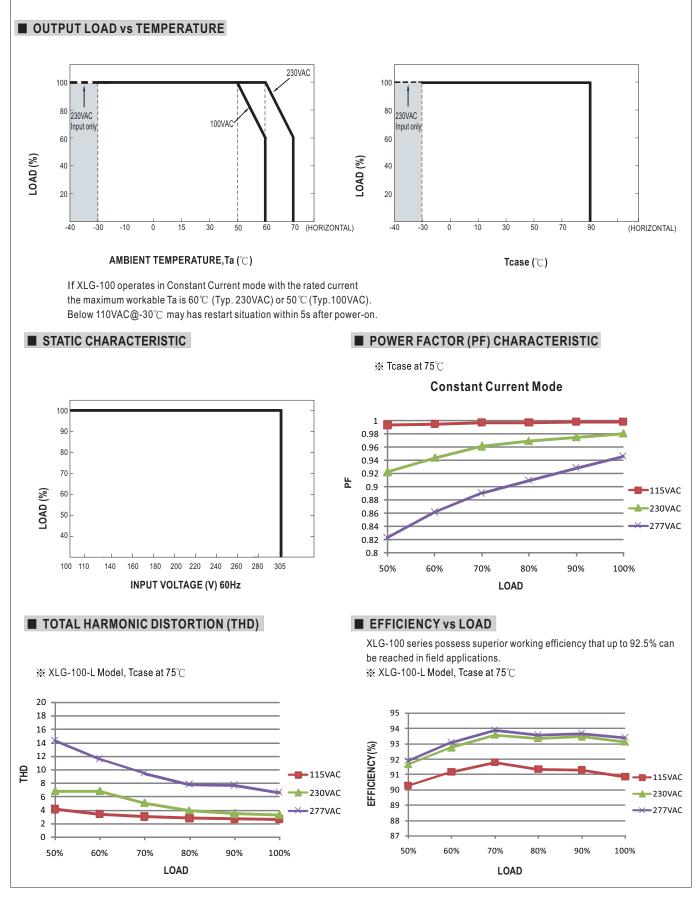


File Name:XLG-100-SPEC 2024-10-11



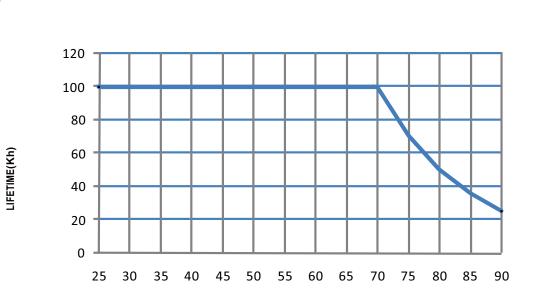






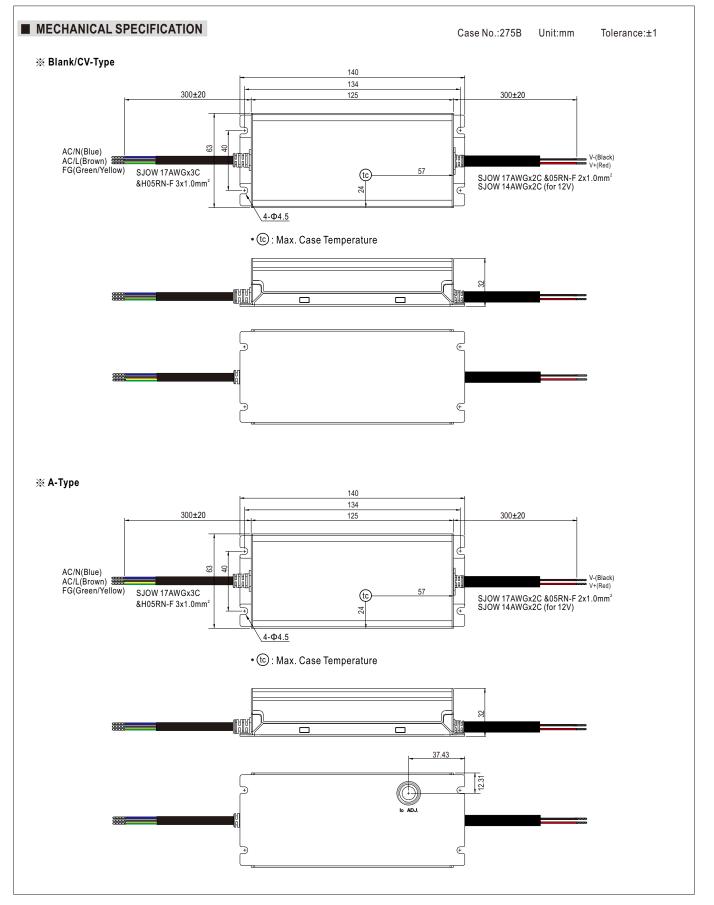


LIFE TIME



Tcase (° $\mathbb{C}$  )







### 100W Constant Power Mode LED Driver

